

# SKILLED.COM

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# 1.0 Project Document

## 1.1 Introduction

SKILLED.COM is a revolutionary freelancing platform designed to empower Sri Lanka's IT professionals by bridging the unemployment gap. In a country with a substantial pool of skilled individuals, including those pursuing higher education, SKILLED.COM serves as a catalyst for connecting local freelancers with employers seeking their expertise.

### Key Features:

- **Diverse Talent Pool:** SKILLED.COM brings together freelancers with varied skill sets, ranging from students aspiring to contribute part-time to seasoned professionals.
- **User-Centric Design:** The platform prioritizes a user-friendly experience, ensuring that employers and freelancers can easily navigate, connect, and collaborate.
- **Comprehensive Dashboard:** Users can access personalized dashboards tailored to their roles, providing a seamless experience for managing gigs, projects, and interactions.

### Team Member and Roles

Member's Name	Role
<b>Sprint 01</b>	
Sumuditha Lankasara (CB010718)	Developer
Akitha Randira (CB011077)	Business Analyst
Anumm Irshad (CB010606)	Scrum Master
Biseni Perera (CB010973)	Quality Assurance
<b>Sprint 02 (1<sup>st</sup> Half)</b>	
Sumuditha Lankasara (CB010718)	Business Analyst
Akitha Randira (CB011077)	Developer
Anumm Irshad (CB010606)	Quality Assurance
Biseni Perera (CB010973)	Scrum Master
<b>Sprint 02 (2<sup>nd</sup> Half)</b>	
Sumuditha Lankasara (CB010718)	Scrum Master
Akitha Randira (CB011077)	Quality Assurance
Anumm Irshad (CB010606)	Developer
Biseni Perera (CB010973)	Business Analyst
<b>Sprint 03</b>	
Sumuditha Lankasara (CB010718)	Quality Assurance
Akitha Randira (CB011077)	Scrum Master
Anumm Irshad (CB010606)	Business Analyst
Biseni Perera (CB010973)	Developer

### Technologies Used

Category	Technology Used
Frontend	React.js, Tailwind CSS
Backend	Node.js, Express.js
Database	PostgreSQL

## 1.2 Links

### 1.2.1 Hosted Links

Frontend : <https://skilled-final.vercel.app> (Vercel)

Backend : <https://skilled-final.onrender.com> (Render)

Database (Render)

### 1.2.2 GitHub Links

Frontend : <https://github.com/LaXnZ/skilled-frontend>

Backend : <https://github.com/LaXnZ/skilled-backend>

## 1.3 Project Charter

### 1.3.1 Project Overview

This project involves the design, development, and implementation of a web platform that serves as a marketplace for linking local freelancers and employers in Sri Lanka. This involves designing the user interface, developing the underlying software and features, and implementing the entire system. The platform aims to bridge the unemployment gap among freelancers by offering a place for companies to post tasks and freelancers to bid on those projects. Sri Lanka has a significant pool of skilled individuals who are freelancers, frequently seeking opportunities to contribute their knowledge and expertise and earn an income. However, there might be challenges in finding suitable projects they can work on. Employers can publish job advertisements and create profiles for their businesses on the platform. These listings will contain information on the jobs or projects they need assistance with and their specific needs and expectations. Employers can effortlessly locate qualified personnel who can fulfil their project requirements. Freelancers can browse through the posted job listings and choose projects that match their skills and interests.

### 1.3.2 Project Goals and Overview

1. **Reduce the unemployment gap:** The solution aims to help close the skills gap in unemployment by providing a centralized platform for freelancers to find part-time



and freelance jobs. It attempts to give independent contractors a practical way to make money and make use of their skills.

2. **Facilitate job matching:** The platform's goal is to provide independent contractors with acceptable employment possibilities through an effective and user-friendly interface. This objective is targeted at overcoming the difficulty that independent contractors have in locating suitable projects to use their skills and abilities.
3. **Streamline the hiring process:** For companies, the platform's goal is to simplify the hiring process for qualified candidates. The system aims to streamline and quicken the hiring process by establishing a setting where employers can easily submit job postings and analyse freelancer bids.
4. **Improve resource allocation** Freelancers can choose tasks that fit their skill set, and businesses can acquire specialized talent without having to put forth a lot of effort in recruiting.

### 1.3.3 Project Objectives

1. Develop a user-friendly web portal to connect freelancers and employers in Sri Lanka.
2. Provide a platform for freelancers to showcase their skills, look for employment prospects, and pursue part-time jobs.
3. Enable employers to create profiles, post job listings, and review bids from freelancers.
4. Implement an administration system for content filtering and profile management.
5. Facilitate efficient communication and collaboration between freelancers and employers.

### 1.3.4 Project Scope

#### *Freelancer Features*

- **Profile Management:** Freelancers can register, sign in, update, and delete their profiles. Profile management includes personal information, skills, portfolio, and payment details.
- **Project Search & View**
  - Freelancers can search and view available projects based on their skills and preferences.
  - Project listings display project details, including descriptions, budgets, and client information.
- **Project Communication**
  - Freelancers can communicate with clients through the platform.
- **Payment Processing**
  - The platform facilitates secure payment processing for project milestones or completed work. Freelancers can track their earnings and payment history.
- **Review & Ratings:**

- Freelancers can rate and provide reviews for clients after project completion.
- Recommendations
  - Freelancers can recommend projects and clients to other freelancers on the platform.
  - Recommendations help foster a collaborative community.

### *Client Features*

- Client Profile
  - Clients can register, sign in, and manage their profiles, including business information.
  - Profiles include project history and client reviews.
- Project Posting:
  - Clients can post new projects with detailed descriptions, budgets, and project requirements.
  - Projects are listed for freelancers to view and bid on.
- Freelancer Selection:
  - Clients can review proposals submitted by freelancers and select the most suitable candidate.
  - Communication with selected freelancers is facilitated through the platform.
- Payment Processing:
  - The platform enables secure payment processing for project milestones or completed work.
  - Clients can track payments, invoices, and project expenses.
- Review & Ratings:
  - Clients can rate and provide reviews for freelancers upon project completion.
  - Ratings and reviews contribute to a freelancer's professional reputation.

### *Administer Features*

- User Management:
  - Administrators can manage user accounts, including registrations, verifications, and user roles.
  - They have access to user data and can assist with account-related issues.
- Content Management:
  - Administrators can oversee and moderate content posted on the platform, ensuring compliance with platform guidelines and policies.
  - They can remove or flag inappropriate content.

### 1.3.5 Project Stakeholders

1. Name: Freelancers  
Role: Users seeking part-time employment opportunities to suit their skills.
2. Name: Employers  
Role: Users post job opportunities to recruit freelancers.
3. Name: Client  
Role: The driving force behind the creation of the web portal. As the initiator, the client recognized the need for a platform to connect freelancers and employers in Sri Lanka, and they have taken the lead in capitalizing on and initiating the project.
4. Name: Administrators  
Role: Responsible for content filtering and profile management of both employers and freelancers.
5. Name: Project team  
Role: Responsible for the design, development, testing and implementation of the web portal  
Project team: Scrum Master, Business Analyst, UI/UX Designer, Front-end Developer, Back-end Developer, Quality Assurance

### 1.3.6 Project Constraints

1. Time Constraints: The prototype needs to be implemented within three sprints. This time constraint might limit the depth and complexity of features that can be developed within this short timeframe.
2. Resource Limitations: Our team has limited resources in terms of human capital, skillsets, and development tools as we are undergraduates who lack hands-on industry experience.
3. Technical Expertise: Our team has varying levels of technical expertise in web development, UI/UX design, and database management. This could impact the efficiency and quality of the development process of our web portal.
4. Budget Restrictions: Budget constraints could limit our team's ability to use certain tools, technologies, or resources, affecting the quality and capabilities of the final product.
5. Communication Challenges: Effective communication is crucial to any project. If our team members have different communication styles, or struggle to convey ideas clearly, it might lead to misinterpretations and delays.

### 1.3.7 Project Risks

1. Technical Risks: Potential technical challenges may include compatibility issues with various browsers and devices, scalability concerns as user traffic grows, and security vulnerabilities.
2. Scope Creep: There's a risk that the client's uncertainty about features could lead to scope creep, where additional requirements are added during development, potentially causing delays and increased costs.

3. **User Adoption:** It might be challenging to encourage freelancers and employers to use the platform, especially if there's an existing market leader or if the platform doesn't offer compelling features.
4. **Competitive Landscape:** If similar platforms already exist in Sri Lanka, your portal might face competition, making it important to differentiate your offering.
5. **Data Privacy and Security:** Handling user data and payment information requires a robust security infrastructure to protect against data breaches and privacy violations.
6. **Regulatory Compliance:** Ensuring compliance with local and international regulations, such as data protection laws and taxation requirements, is crucial.
7. **Resource Constraints:** Limited budget, time, or human resources can impact the quality and functionality of the web portal.

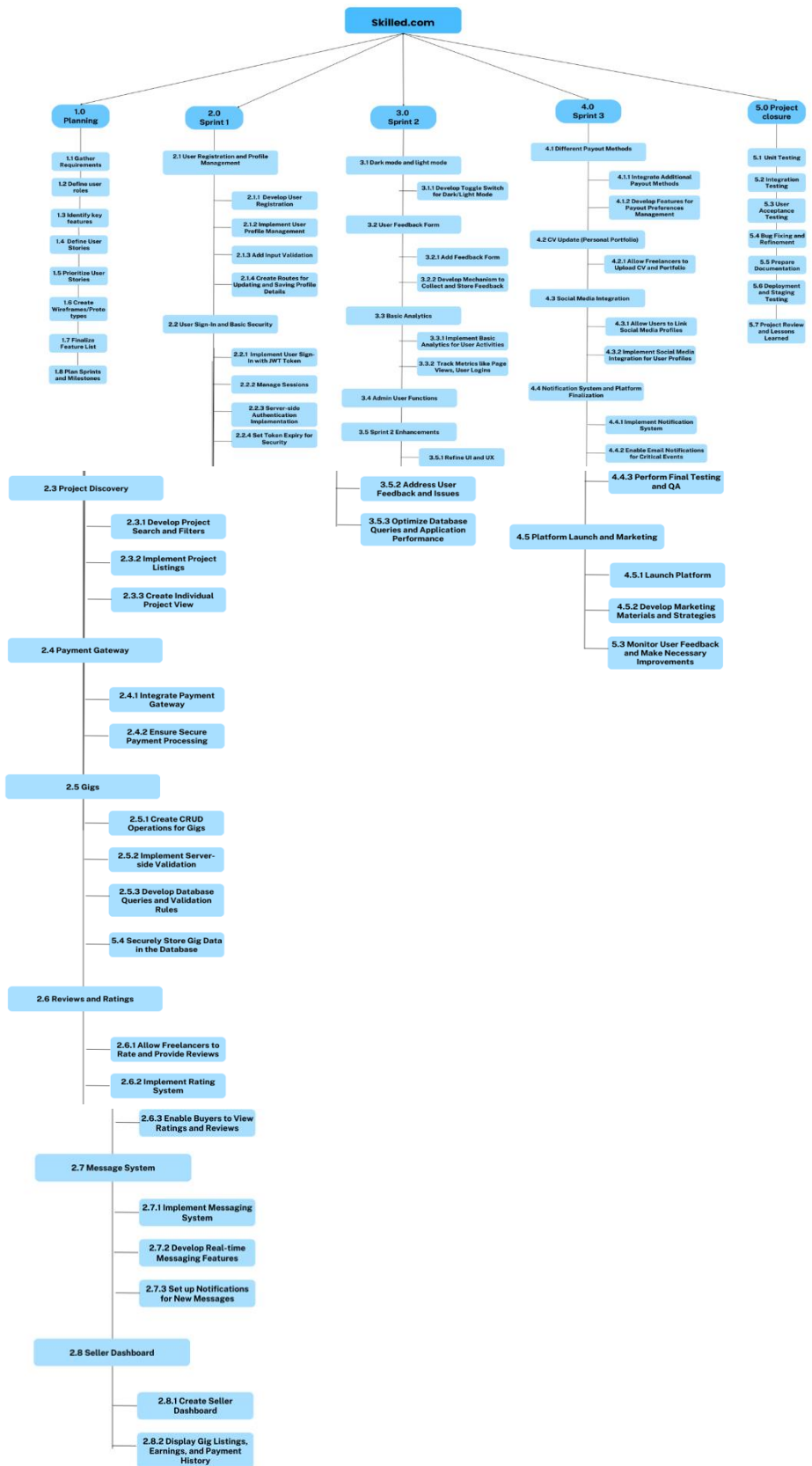
### 1.3.8 Project Assumptions

1. **Assumption about User Needs:** Your team may assume that the features prioritized align with the actual needs and preferences of freelancers and employers in Sri Lanka.
2. **Availability of Internet Access:** The success of the platform assumes that users have reliable internet access to use the web portal effectively.
3. **Freelancer Skillset:** Assumptions about the skills and qualifications of the freelancers using the platform will impact the type and complexity of jobs posted.
4. **Client Engagement:** The project assumes that the client will actively engage with the development process, providing feedback and clarifications as needed.
5. **Market Demand:** The project assumes there's a sufficient demand for freelance work in Sri Lanka to support the platform's growth.

### 1.3.9 Project Dependencies

1. **Third-Party Services:** Dependencies on external services such as payment gateways, hosting providers, or authentication services can impact the project's timeline and functionality.
2. **API Integration:** Integrating with external APIs for services like geolocation or messaging may introduce dependencies on those services' availability and reliability.
3. **Client Approval:** The project's progress may depend on timely client approvals for design, feature implementations, and project milestones.
4. **User Feedback:** The development process may rely on receiving timely and relevant feedback from users to guide feature enhancements and refinements.
5. **Resource Availability:** Dependencies on the availability of specific team members or experts, such as UX designers or security consultants, can affect project timelines.

# 1.4 Work Breakdown Structure



## 2.0 Sprint 01 Documentation

### 2.1 Sprint Goal

Sprint 1 Goal: Establishing the Foundation

The goal of our first sprint for [SKILLED.COM](#) is to lay a solid foundation for the freelancing platform, setting the stage for subsequent development phases. We aim to comprehensively understand the system's functionality through the creation of essential diagrams and prepare for the system's logical flow.

#### Tasks Accomplished:

- 1. Use Case Diagrams, Activity Diagrams:**
  - Develop detailed use case diagrams to illustrate the interactions between different users and the system.
  - Create activity diagrams to represent the workflow of key features.
- 2. Figma Design for User Interface:**
  - Utilize Figma to design and conceptualize the user interface, providing a visual representation of the system's appearance.
  - Structure the frontend's basic layout, ensuring a coherent and user-friendly design.
- 3. Database Setup:**
  - Establish the database architecture to support the storage and retrieval of essential information.
- 4. User Authentication:**
  - Implement robust login and registration functionalities.
  - Ensure secure user authentication with multiple user roles (freelancers, employers, administrators).
- 5. Frontend Dashboards:**
  - Complete the basic frontend dashboards for primary students, lower secondary students, upper secondary students, freelancers, and employers.
  - Design user-specific interfaces tailored to the unique needs of each user role.
- 6. User Registration:**
  - Implement user registration functionality for primary students, lower secondary students, upper secondary students, teachers, and administrators.
  - Differentiate registration processes based on user roles to capture relevant information.

**Overall Outcome:** The completion of these tasks in Sprint 1 establishes a robust foundation for [SKILLED.COM](#). By combining a clear understanding of system functionality with a well-designed user interface and functional database, we set the groundwork for subsequent development sprints. This sprint lays the essential groundwork for user interaction, authentication, and user-specific dashboards, creating a strong base for the platform's evolution.

## 2.2 Sprint Backlog

### 2.2.1 Sprint Planning Meeting

Date	Time	What we're going to cover in this sprint
2 <sup>nd</sup> Nov 2023	8.00Pm	As we build our freelancer website over the course of three sprints, the features and tasks that are critical to the platform's growth are the focus of this sprint. We are prioritising the development of a secure payment gateway for gig purchases so that users may transact within the platform with ease, starting with essential features. To improve communication, we are also integrating features that allow users to post reviews and ratings, creating a thorough seller dashboard, and putting in place a messaging system between buyers and sellers. To ensure the robustness of our system, we are diligently working on crafting comprehensive test scenarios and test cases, backed by the establishment of a solid project management framework. Our iterative approach includes daily stand-up meetings for effective coordination, time management diagrams using AOA and AON methodologies, and the adoption of the Moscow Prioritization framework. Further, we are actively engaged in creating visual representations of system interactions through Use Case Diagrams, Activity Diagrams, and Sequence Diagrams. We are meticulously maintaining a dynamic product backlog to capture evolving requirements, translating design concepts into tangible Figma designs, and establishing a robust database foundation. Functional and non-functional testing, as well as focused efforts on requirement and user interface testing, are all included in the comprehensive testing phase. Lastly, we are employing UI testing, with a particular focus on usability elements, to provide a smooth user experience. Our goal to creating a feature-rich, dependable, and user-friendly freelancer platform is reflected in Sprint 1's holistic approach.

### 2.2.2 Sprint Standup Meeting logs

Date	Time	What did we accomplish in terms of our roles	Plan for the day	Anything that blocked us from our work?
03/11	9.00PM	The Software developer along with the team finalized the features we were developing for this sprint. Scrum Master-Set up project management tool. The task involved setting up the chosen project management tool which is Click Up to facilitate effective collaboration, task tracking, and communication within the team. Successfully set up the project management tool. All team members have access, and initial tasks are organized in the form of a table, list, board and Gantt chart. Successfully went through the Agile Project Charter, outlining project objectives, identifying stakeholders, and defining the initial scope. The charter has	Finalized tasks and features we're developing for Sprint 1, Set up project management tool, make sure all members have access to it and finalize features we're doing for this sprint. Go through the Agile project charter	Encountered a temporary delay in accessing the project management tool due to technical issues. The team has reported the issue to the tool's support team for resolution. Faced challenges in aligning stakeholders' expectations regarding project

		<p>been shared with the team for feedback. The Scrum Master also started maintaining sprint backlogs for each stand up meeting. Today the first meeting was successfully completed and recorded. . The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.</p>		<p>scope. Conducted additional stakeholder meetings to address concerns and refine the charter accordingly</p>
04/11	9.00PM	<p>The business analyst successfully developed detailed Use Case Diagrams, outlining specific user-system interactions and scenarios. The diagrams have been shared with the development team for review. The scrum master conducted the stand-up meeting and successfully recorded the meeting contents. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.</p>	<p>Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.</p>	<p>Faced challenges in obtaining detailed requirements from stakeholders for certain edge cases. Conducted additional interviews to gather comprehensive information</p>
05/11	9.00PM	<p>The business analyst successfully developed high-level Use Case Diagrams, providing a broad overview of system functionalities. The diagrams have been reviewed and approved by stakeholders. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.</p>	<p>Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.</p>	<p>No significant blockers encountered in developing high-level Use Case Diagrams. The process was well-aligned with stakeholder expectations</p>
06/11	9.00PM	<p>The business analyst successfully created Activity Diagrams, detailing the workflow within specific use cases. The diagrams have been incorporated into the project documentation. The business analyst also developed sequence diagrams. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.</p>	<p>Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.</p>	<p>Encountered challenges in mapping out certain parallel activities. Collaborated with the team members to refine the diagrams for clarity.</p>
07/11	9.00PM	<p>The business analyst successfully created Activity Diagrams, detailing the workflow within specific use cases. The diagrams have been incorporated into the project documentation. The business analyst also</p>	<p>Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for</p>	<p>No significant blockers encountered in creating User Personas. The</p>



		<p>developed sequence diagrams. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.</p>	<p>improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.</p>	<p>process involved collaboration with stakeholders and user research for accurate representation and no significant blockers encountered in revising the WBS. The process was streamlined, and team collaboration facilitated efficient adjustments.</p>
08/11	9.00PM	<p>Quality assurance successfully defined test scenarios, covering various aspects of system functionality. The scrum master Successfully applied Moscow Prioritization, aligning tasks with project goals and stakeholder expectations. The prioritization has been communicated to the team for reference. The Software developer also acted as the designer and Successfully created Figma designs, incorporating feedback from the rest of the team members. The designs have been shared for further review. Additionally, the software developer also successfully set up the database, created necessary tables, and established initial data relationships. The database is operational and aligned with project requirements. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.</p>	<p>Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.</p>	<p>Some challenges were faced in obtaining detailed testing criteria for certain edge cases. Collaborated with the Business Analyst to gather additional information and refine test scenarios. No significant blockers encountered in applying Moscow Prioritization. Stakeholder input was actively sought to ensure alignment with project objectives. Some challenges were faced in aligning design elements with specific backend functionalities. The development team provided feedback for adjustments, promoting better integration.</p>
09/11	9.00PM	<p>The Software developer successfully started implementing frontend functionalities, incorporating design elements. The frontend is integrated with backend services. Additionally, successfully implemented secure user authentication features, allowing users to register, log in, and log out securely. Implemented necessary security measures to protect user data. The QA successfully carried out a functional test, usability test and requirements testing for the implemented feature. The Scrum Master</p>	<p>Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally,</p>	<p>No significant blockers encountered in implementing login, registration, and logout features. The process was streamlined, and security measures were integrated effectively.</p>

		led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	the team engaged in troubleshooting to resolve any errors encountered throughout the day.	
10/11	9.00PM	Successfully implemented profile creation features, allowing users to input relevant information and upload profile pictures. The feature is integrated into the overall user interface seamlessly. The QA successfully carried out a functional test, usability test and requirements testing for the implemented feature. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	Faced challenges in optimizing image upload functionality for larger profile pictures. This prevented us from implementing the next fetature
11/11	9.00PM	The Software Developer was tasked with implementing Create, Read, Update, and Delete (CRUD) operations for gig listings on the platform. Successfully implemented CRUD operations for gig listings, allowing users to create, view, update, and delete their posted gigs. The functionality is integrated into the platform's overall architecture. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	
13/11	9.00PM	Continued to discuss the CRUD feature updates. The Software Developer was tasked with implementing Create, Read, Update, and Delete (CRUD) operations for gig listings on the platform. Successfully implemented CRUD operations for gig listings, allowing users to create, view, update, and delete their posted gigs. The functionality is integrated into the platform's overall architecture. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	No significant blockers encountered in implementing search and filter functionalities. The process aligned well with user expectations and platform requirements.
14/11	9.00PM	Continued to discuss the CRUD feature updates. The Software Developer was tasked with implementing Create, Read, Update, and Delete (CRUD) operations for gig listings on the platform. Successfully implemented CRUD operations for gig listings, allowing users to create, view, update, and delete their posted gigs. The functionality is integrated into the platform's overall architecture. The Scrum Master led the meeting, updating the	Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool	Faced challenges in testing payment gateway integration in a sandbox environment. Collaborated with the Quality Assurance to simulate various payment

		project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day. The QA successfully carried out a functional test, usability test and requirements testing for the implemented feature.	based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	scenarios for thorough testing. Could not identify the issue and therefore it was a fail
15/11	9.00PM	The Software Developer was tasked with implementing the purchase functionality, integrating secure payment gateways for financial transactions. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day. The QA carried out a functional test, usability test and requirements testing for the implemented feature.	Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	Tried troubleshooting again with the same payment feature but faced challenges in testing payment gateway integration. Collaborated with the Quality Assurance to simulate various payment scenarios for thorough testing. Could not identify the issue and therefore it was a fail
16/11	9.00PM	The Software Developer was tasked with implementing the purchase functionality, integrating secure payment gateways for financial transactions. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day. The QA carried out a functional test, usability test and requirements testing for the implemented feature.	Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	Tried troubleshooting again with the same payment feature but faced challenges in testing payment gateway integration. Collaborated with the Quality Assurance to simulate various payment scenarios for thorough testing. Could not identify the issue and therefore it was a fail
17/11	9.00PM	The Software Developer was responsible for creating the seller dashboard, providing sellers with insights into their gig performance, earnings, and other relevant metrics. He successfully implemented the seller dashboard, offering sellers a comprehensive view of their gig analytics and earnings. The dashboard is integrated into the platform's overall navigation. The QA successfully carried out a functional test, usability test and requirements testing for the implemented feature. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	Faced challenges in optimizing data retrieval for certain performance metrics.

18/11	9.00PM	The Software Developer was responsible for implementing the functionality for users to add reviews and ratings to gigs they have utilized and was tasked with implementing the messaging feature, enabling communication between sellers and buyers on the platform. Successfully implemented the messaging feature, facilitating direct communication between sellers and buyers. Implemented real-time updates for efficient communication. The QA successfully carried out a functional test, usability test and requirements testing for the implemented feature. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	No significant blockers encountered in implementing these features
19/11	9.00PM	The Software Developer was responsible for implementing search and filter functionalities for users to find relevant gigs based on criteria such as skills, location, and budget. Successfully implemented search and filter features, providing users with efficient tools to find gigs that match their preferences. The functionality is integrated into the platform's frontend. The QA successfully carried out a functional test, usability test and requirements testing for the implemented feature. The scrum master reviewed the tasks completed by each team member in accordance with the scheduled tasks for today, ensuring time management and adherence to the plan outlined on Click Up. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	No significant blockers encountered in implementing the messaging feature. The process aligned well with user expectations for seamless communication.
20/11	9.00PM	The Quality Assurance role successfully created comprehensive test cases covering a range of functionalities. The test cases align with defined test scenarios and project requirements, ensuring thorough testing coverage. Successfully conducted API testing, ensuring the seamless interaction of different system components through APIs. Identified and addressed issues related to API functionality and security. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day. Further, The QA was tasked with performing non-functional testing, which included evaluating aspects such as system performance, scalability, and security. She successfully performed non-functional testing, ensuring the system's ability to handle varying loads and maintaining security standards. Identified and addressed	Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	No significant blockers were encountered during the creation of test cases. Clear communication channels with the developer facilitated the clarification of requirements and functionality details. Some challenges were faced in simulating specific API communication scenarios.

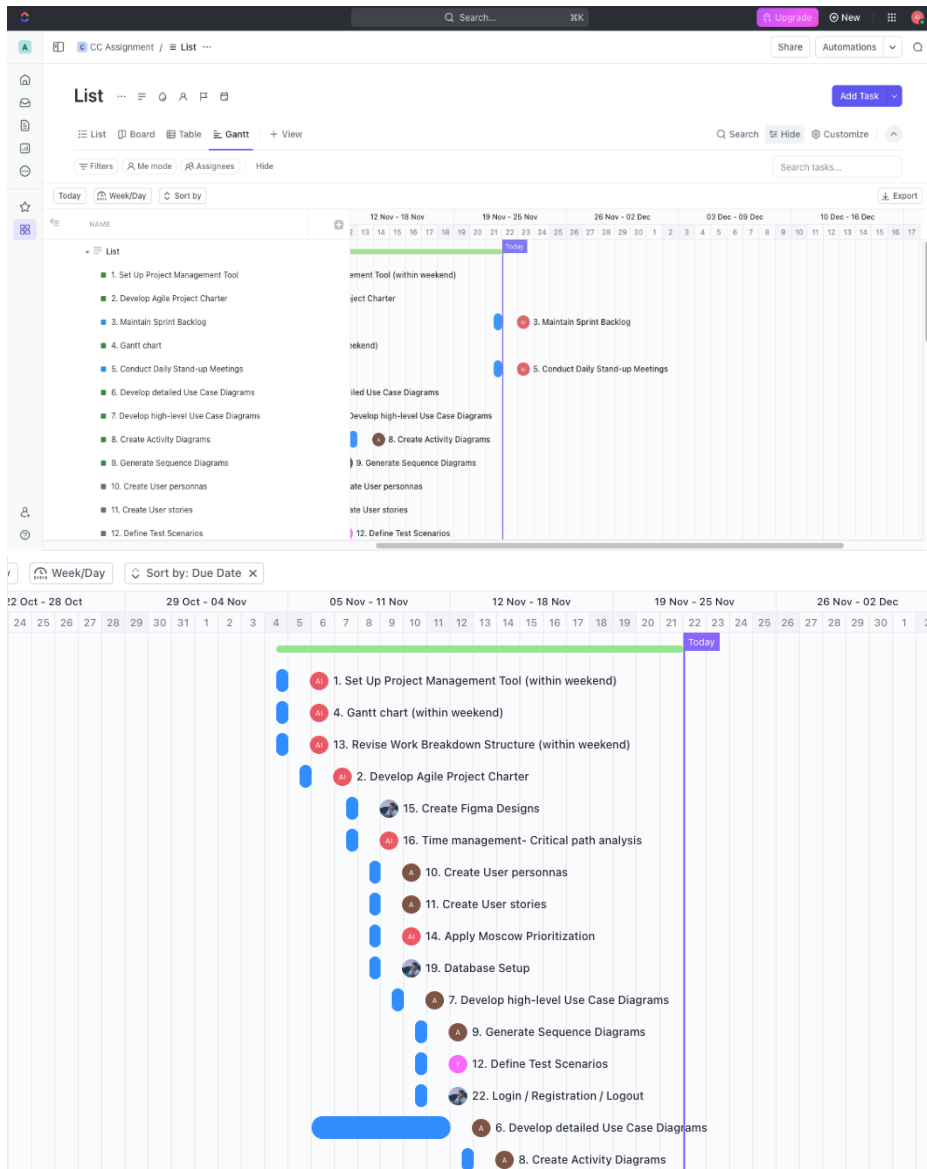
		non-functional issues for enhanced system reliability.		
21/11	9.00PM	The Scrum Master lead the sprint retrospective, a meeting held at the end of sprint 1 to reflect on the team's performance, identify areas for improvement, and plan adjustments for future sprints. Successfully facilitated the sprint retrospective, encouraging open communication and feedback from team members. Identified strengths and areas for improvement, ensuring continuous enhancement of the team's processes.	Review the tasks completed by each team member in accordance with the scheduled tasks for today. Discuss potential areas for improvement and address any challenges encountered by specific roles during task execution. The Scrum Master led the meeting, updating the project management tool based on completed tasks and team progress. Additionally, the team engaged in troubleshooting to resolve any errors encountered throughout the day.	No significant blockers were encountered during the sprint retrospective. The team actively participated in discussions, contributing valuable insights for process refinement.

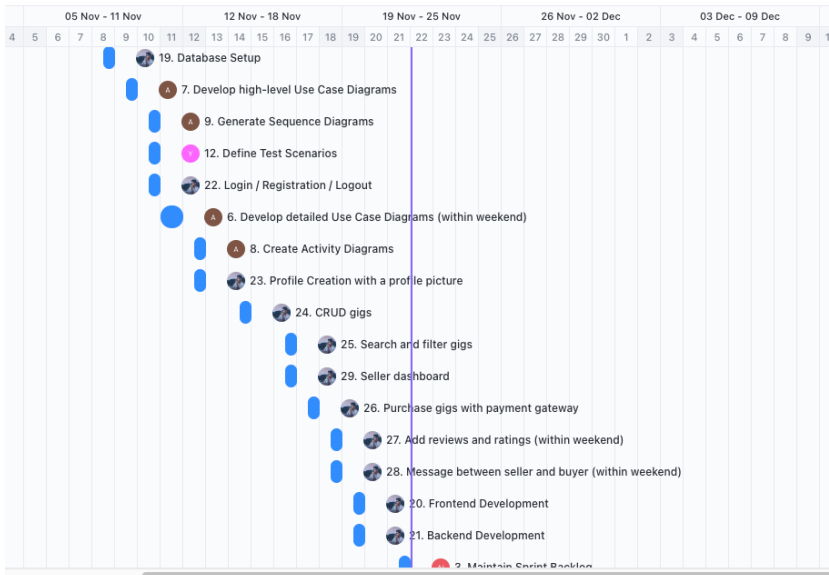
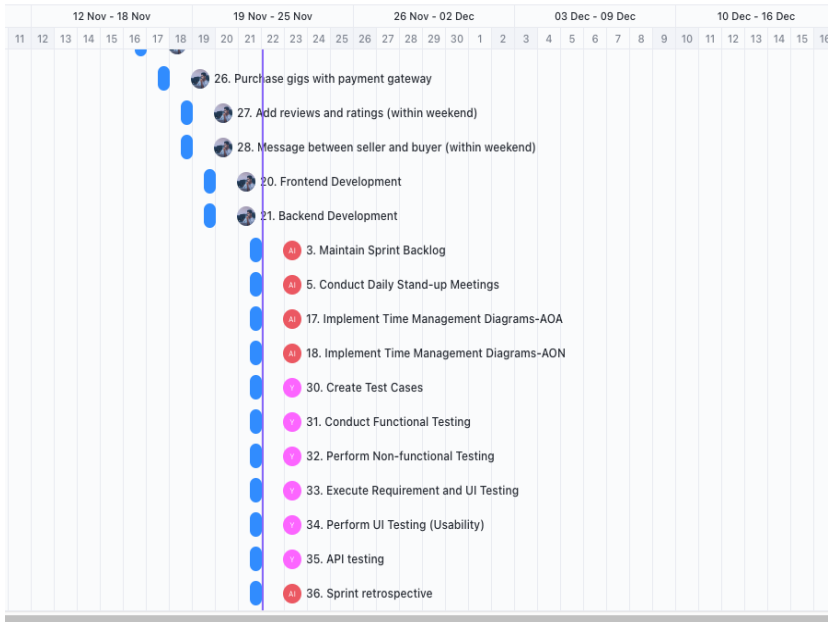
### 2.2.3 Sprint Retrospective Meeting

Date	Time	What went well	What went wrong	Improvements for the final Product	Individual Opinions on Team Members
21/11	4.00PM	In the sprint retrospective, we identified several positive aspects that went well during the sprint. The team effectively collaborated, meeting key milestones and delivering high-quality work. Communication within the team was transparent, and tasks were well-coordinated, contributing to the overall	Despite our achievements, there were challenges in the sprint. Some tasks faced delays due to unexpected technical issues, and there was room for improvement in the initial estimation of certain user stories. The time management had some issues initially as well. We were also unable to fully implement the payment	To improve in the next sprint, the team commits to refining the estimation process, ensuring a more accurate assessment of the time required for each task. We plan to implement proactive measures to address potential technical challenges promptly, fostering a more efficient and streamlined development process. Additionally, we aim to enhance	Sumuditha, the Software developer: Sumuditha is regarded as a skilled and dedicated software developer. His commitment to writing clean, efficient code and solving complex technical problems is highly appreciated. Team members acknowledge his contributions to both frontend and backend development, making a significant impact on the overall project. Further, his creative and user-centric design approach has greatly enhanced the project's visual appeal and user experience. Team members appreciate his ability to translate concepts into engaging and intuitive interfaces. His collaboration with the development team

		success of the sprint.	gateway regardless of multiple attempts made. These challenges allowed us to pinpoint areas for enhancement in future sprints.	communication channels to further optimize collaboration and ensure a smoother workflow in the upcoming sprint.	ensured a seamless integration of design elements. We also valued Sumuditha's ability to design efficient database structures and optimize queries.
					Akitha, the Business analyst: Akitha's analytical skills and attention to detail have greatly contributed to the success of the project. Team members valued his ability to translate complex requirements into clear activity diagrams, user stories and use case diagrams. Akitha's thorough understanding of user needs was seen as crucial for shaping the project's direction.
					Biseni, the Quality Assurance specialist: Biseni's meticulous approach to testing ensured that the project maintains a high level of quality. Team members valued her ability to identify potential issues early in the development process, preventing bugs from reaching the final product. Biseni's commitment to thorough testing contributes to the project's overall reliability.

## 2.2.4 Grantt Chart





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Week/Day Sort by: Due Date Export

12 Oct - 28 Oct | 29 Oct - 04 Nov | 05 Nov - 11 Nov | 12 Nov - 18 Nov | 19 Nov - 25 Nov | 26 Nov - 02 Dec | 03 Dec - 09 Dec | 10 Dec - 16 Dec

- 1. Set Up Project Management Tool (within weekend)
- 4. Gantt chart (within weekend)
- 13. Revise Work Breakdown Structure (within weekend)
- 2. Develop Agile Project Charter
- 15. Create Figma Designs
- 16. Time management- Critical path analysis
- 10. Create User personas
- 11. Create User stories
- 14. Apply Moscovice Prioritization
- 19. Database Setup
- 7. Develop high-level Use Case Diagrams
- 9. Generate Sequence Diagrams
- 12. Define Test Scenarios
- 22. Login / Registration / Logout
- 6. Develop detailed Use Case Diagrams
- 8. Create Activity Diagrams

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## 2.2.5 Project Management

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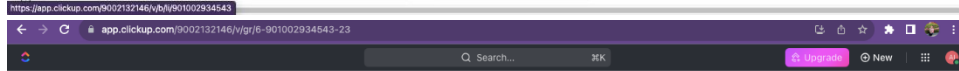
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Group: Status Subtasks: Collapse all Filters Me mode Assignees Show closed Hide

Search tasks...

TO DO 0 COMPLETED 16 IN-PROGRESS 12 COMPLETE 0 + ADD STATUS

- 10. Create User personas Nov 8
- 11. Create User stories Nov 8
- 12. Define Test Scenarios Nov 10
- 1. Set Up Project Management Tool Nov 4
- 2. Develop Agile Project Charter Nov 5
- 4. Gantt chart Nov 4
- 3. Maintain Sprint Backlog Yesterday
- 5. Conduct Daily Stand-up Meetings Yesterday
- 17. Implement Time Management Diagrams-ADA Yesterday



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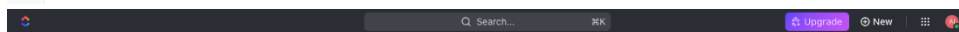
List Board Table + View

Q Search Hide Customize

Group: None Subtasks Filters Me mode Assignees Show closed Hide

Search tasks...

#	NAME	ASSIGNEE	STATUS	START	DUE DATE	PRIORITY
22	Login / Registration / Logout	Sumuditha Lansakara	COMPLETED	11/8/23	11/10/23	High
23	Profile Creation with a profile picture	Sumuditha Lansakara	COMPLETED	11/11/23	11/12/23	High
24	CRUD gigs	Sumuditha Lansakara	COMPLETED	11/12/23	11/14/23	High
25	Search and filter gigs	Sumuditha Lansakara	COMPLETED	11/15/23	6 days ago	High
26	Purchase gigs with payment gateway	Sumuditha Lansakara	TO DO	11/15/23	5 days ago	High
27	Add reviews and ratings	Sumuditha Lansakara	TO DO	5 days ago	4 days ago	High
28	Message between seller and buyer	Sumuditha Lansakara	TO DO	5 days ago	4 days ago	High
29	Seller dashboard	Sumuditha Lansakara	TO DO	11/15/23	6 days ago	High
30	Create Test Cases	Yohansa	IN-PROGRESS	11/12/23	Yesterday	High
31	Conduct Functional Testing	Yohansa	IN-PROGRESS	11/12/23	Yesterday	High
32	Perform Non-functional Testing	Yohansa	IN-PROGRESS	11/12/23	Yesterday	High
33	Execute Requirement and UI Testing	Yohansa	IN-PROGRESS	11/12/23	Yesterday	High
34	Perform UI Testing (Usability)	Yohansa	IN-PROGRESS	11/12/23	Yesterday	High
35	API testing	Yohansa	IN-PROGRESS	11/12/23	Yesterday	High
36	Sprint retrospective	Anumm Irshad	TO DO	Yesterday	Yesterday	High



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List Board Table + View

Q Search Hide Customize

Group: Status Subtasks: Collapse all Filters Me mode Assignees Show closed Hide

Search tasks...

IN-PROGRESS 12 + Add Task

Name	Assignee	Due date	Priority
3. Maintain Sprint Backlog	Sumuditha Lansakara	Yesterday	Normal
5. Conduct Daily Stand-up Meetings	Sumuditha Lansakara	Yesterday	Normal
17. Implement Time Management Diagrams-ADA	Sumuditha Lansakara	Yesterday	Normal
18. Implement Time Management Diagrams-AON	Sumuditha Lansakara	Yesterday	Normal
20. Frontend Development	Sumuditha Lansakara	3 days ago	High
21. Backend Development	Sumuditha Lansakara	3 days ago	High
30. Create Test Cases	Yohansa	Yesterday	Normal
31. Conduct Functional Testing	Yohansa	Yesterday	High
32. Perform Non-functional Testing	Yohansa	Yesterday	Normal
33. Execute Requirement and UI Testing	Yohansa	Yesterday	Urgent
34. Perform UI Testing (Usability)	Yohansa	Yesterday	Normal
35. API testing	Yohansa	Yesterday	Normal

+ Add Task



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### List

Board Table + View

Group: Status Subtasks: Collapse all Filters Me mode Assignees Show closed Hide

Search tasks...

**COMPLETED** 16 + Add Task

Name	Assignee	Due date	Priority
10. Create User personas	[Avatar]	Nov 8	Normal
11. Create User stories	[Avatar]	Nov 8	Normal
12. Define Test Scenarios	[Avatar]	Nov 10	Normal
26. Purchase gigs with payment gateway	[Avatar]	5 days ago	Normal
27. Add reviews and ratings	[Avatar]	4 days ago	Low
28. Message between seller and buyer	[Avatar]	4 days ago	Normal
29. Seller dashboard	[Avatar]	6 days ago	Normal
36. Sprint retrospective	[Avatar]	Yesterday	Normal

+ Add Task

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### List

Board Table + View

Group: Status Subtasks: Collapse all Filters Me mode Assignees Show closed Hide

Search tasks...

**COMPLETED** 16 + Add Task

Name	Assignee	Due date	Priority
23. Profile Creation with a profile picture	[Avatar]	Nov 12	Normal
24. CRUD gigs	[Avatar]	Nov 14	High
25. Search and filter gigs	[Avatar]	6 days ago	Normal

+ Add Task

**TO DO** 8 + Add Task

Name	Assignee	Due date	Priority
10. Create User personas	[Avatar]	Nov 8	Normal
11. Create User stories	[Avatar]	Nov 8	Normal
12. Define Test Scenarios	[Avatar]	Nov 10	Normal
26. Purchase gigs with payment gateway	[Avatar]	5 days ago	Normal
27. Add reviews and ratings	[Avatar]	4 days ago	Low
28. Message between seller and buyer	[Avatar]	4 days ago	Normal

+ Add Task

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### List

Board Table + View

Group: Status Subtasks: Collapse all Filters Me mode Assignees Show closed Hide

Search tasks...

**COMPLETED** 16 + Add Task

Name	Assignee	Due date	Priority
1. Set Up Project Management Tool	[Avatar]	Nov 4	Urgent
2. Develop Agile Project Charter	[Avatar]	Nov 5	High
4. Gantt chart	[Avatar]	Nov 4	Normal
13. Revise Work Breakdown Structure	[Avatar]	Nov 4	High
14. Apply Moscow Prioritization	[Avatar]	Nov 8	Normal
6. Develop detailed Use Case Diagrams	[Avatar]	Nov 6	Normal
7. Develop high-level Use Case Diagrams	[Avatar]	Nov 9	Normal
8. Create Activity Diagrams	[Avatar]	Nov 12	Normal
9. Generate Sequence Diagrams	[Avatar]	Nov 10	Low
15. Create Figma Designs	[Avatar]	Nov 7	Normal
16. Time management- Critical path analysis	[Avatar]	Nov 7	Normal
19. Database Setup	[Avatar]	Nov 8	Urgent
22. Login / Registration / Logout	[Avatar]	Nov 10	Urgent

+ Add Task

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TO DO 8    COMPLETED 16    IN-PROGRESS 12    COMPLETE 0    + ADD STATUS

- 28. Message between seller and buyer (4 days ago)
- 29. Seller dashboard (6 days ago)
- 36. Sprint retrospective (Yesterday)
- 23. Profile Creation with a profile picture (Nov 12)
- 24. CRUD gigs (Nov 14)
- 25. Search and filter gigs (6 days ago)
- 32. Perform Non-functional Testing (Yesterday)
- 33. Execute Requirement and UI Testing (Yesterday)
- 34. Perform UI Testing (Usability) (Yesterday)

TO DO 8    COMPLETED 16    IN-PROGRESS 12    COMPLETE 0    + ADD STATUS

- 26. Purchase gigs with payment gateway (5 days ago)
- 27. Add reviews and ratings (4 days ago)
- 28. Message between seller and buyer (4 days ago)
- 9. Generate Sequence Diagrams (Nov 10)
- 15. Create Figma Designs (Nov 7)
- 16. Time management- Critical path analysis (Nov 7)
- 18. Implement Time Management Diagrams-AON (Yesterday)
- 20. Frontend Development (3 days ago)
- 21. Backend Development (3 days ago)

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#	NAME	ASSIGNEE	STATUS	START	DUE DATE	PRIORITY
1	Set Up Project Management Tool	Anumm Irshad	COMPLETED	11/3/23	11/4/23	High
2	Develop Agile Project Charter	Anumm Irshad	COMPLETED	11/4/23	11/5/23	Medium
3	Maintain Sprint Backlog	Anumm Irshad	IN-PROGRESS	11/3/23	Yesterday	Low
4	Gantt chart	Anumm Irshad	COMPLETED	11/3/23	11/4/23	Medium
5	Conduct Daily Stand-up Meetings	Anumm Irshad	IN-PROGRESS	11/3/23	Yesterday	Low
6	Develop detailed Use Case Diagrams	Akitha	COMPLETED	11/5/23	11/6/23	Medium
7	Develop high-level Use Case Diagrams	Akitha	COMPLETED	11/7/23	11/9/23	Medium
8	Create Activity Diagrams	Akitha	COMPLETED	11/10/23	11/12/23	Medium
9	Generate Sequence Diagrams	Akitha	COMPLETED	11/7/23	11/10/23	Medium
10	Create User personas	Akitha	TODO	11/5/23	11/8/23	Medium
11	Create User stories	Akitha	TODO	11/5/23	11/8/23	Medium
12	Define Test Scenarios	Yohansa	TODO	11/8/23	11/10/23	Medium
13	Revise Work Breakdown Structure	Anumm Irshad	COMPLETED	11/3/23	11/4/23	Medium
14	Apply Moscow Prioritization	Anumm Irshad	COMPLETED	11/7/23	11/8/23	Medium
15	Create Figma Designs	Sumuditha Lansakara	COMPLETED	11/5/23	11/7/23	Medium

# Final Progress

NAME	ASSIGNEE	STATUS	DUE DATE	PRIORITY
Set Up Project Management Tool	Anumm Irshad	COMPLETED	11/4/23	Urgent
Develop Agile Project Charter	Anumm Irshad	COMPLETED	11/5/23	High
Maintain Sprint Backlog	Anumm Irshad	COMPLETED	Yesterday	Normal
Gantt chart	Anumm Irshad	COMPLETED	11/4/23	Normal
Conduct Daily Stand-up Meetings	Anumm Irshad	COMPLETED	Yesterday	Normal
Develop detailed Use Case Diagrams	Akitha	COMPLETED	11/11/23	Normal
Develop high-level Use Case Diagrams	Akitha	COMPLETED	11/9/23	Normal
Create Activity Diagrams	Akitha	COMPLETED	11/12/23	Normal
Generate Sequence Diagrams	Akitha	COMPLETED	11/10/23	Normal
Create User personas	Akitha	COMPLETED	11/8/23	Normal
Create User stories	Akitha	COMPLETED	11/8/23	Normal
Define Test Scenarios	Yohansa	COMPLETED	11/10/23	Normal
Revise Work Breakdown Structure	Anumm Irshad	COMPLETED	11/4/23	High
Apply Moscow Prioritization	Anumm Irshad	COMPLETED	11/8/23	Normal
Create Figma Designs	Sumuditha Lansakara	COMPLETED	11/7/23	Normal
Time management- Critical path analysis	Anumm Irshad	COMPLETED	11/7/23	Normal

Overview Board Table List + View Search Hide Customize

Group: Status Subtasks: Collapse all Filters Me mode Assignees Show closed Hide Search tasks...

26. Purchase gigs with payment gateway		5 days ago	Normal
27. Add reviews and ratings		4 days ago	Low
28. Message between seller and buyer		4 days ago	Normal
29. Seller dashboard		6 days ago	Normal
30. Create Test Cases		Yesterday	Normal
31. Conduct Functional Testing		Yesterday	High
32. Perform Non-functional Testing		Yesterday	Normal
33. Execute Requirement and UI Testing		Yesterday	Urgent
35. API testing		Yesterday	Normal
34. Perform UI Testing (Usability)		Yesterday	Normal
36. Sprint retrospective		Yesterday	Normal

Group: Status Subtasks: Collapse all Filters Me mode Assignees Show closed Hide Search tasks...

23. Profile Creation with a profile picture		Nov 12	Normal
24. CRUD gigs		Nov 14	High
25. Search and filter gigs		6 days ago	Normal
3. Maintain Sprint Backlog		Yesterday	Normal
5. Conduct Daily Stand-up Meetings		Yesterday	Normal
10. Create User personas		Nov 8	Normal
11. Create User stories		Nov 8	Normal
12. Define Test Scenarios		Nov 10	Normal
17. Implement Time Management Diagrams-A...		Yesterday	Normal
18. Implement Time Management Diagrams-...		Yesterday	Normal
20. Frontend Development		3 days ago	High
21. Backend Development		3 days ago	High
26. Purchase gigs with payment gateway		5 days ago	Normal
27. Add reviews and ratings		4 days ago	Low
28. Message between seller and buyer		4 days ago	Normal
29. Seller dashboard		6 days ago	Normal

COMPLETED 36 + Add Task

Name	Assignee	START DATE	Due date	Priority
1. Set Up Project Management Tool	Anumm Irshad	Nov 3	Nov 4	Urgent
2. Develop Agile Project Charter	Anumm Irshad	Nov 4	Nov 5	High
4. Gantt chart	Anumm Irshad		Nov 4	Normal
13. Revise Work Breakdown Structure	Anumm Irshad		Nov 4	High
14. Apply Moscow Prioritization	Anumm Irshad		Nov 8	Normal
6. Develop detailed Use Case Diagrams	Akitha		Nov 11	Normal
7. Develop high-level Use Case Diagrams	Akitha		Nov 9	Normal
8. Create Activity Diagrams	Akitha		Nov 12	Normal
9. Generate Sequence Diagrams	Akitha		Nov 10	Low
15. Create Figma Designs	Sumuditha Lansakara		Nov 7	Normal
16. Time management- Critical path analysis	Anumm Irshad		Nov 7	Normal
19. Database Setup	Anumm Irshad		Nov 8	Urgent
22. Login / Registration / Logout	Anumm Irshad		Nov 10	Urgent
23. Profile Creation with a profile picture	Anumm Irshad		Nov 12	Normal

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0 DO 0 COMPLETED 36 IN-PROGRESS 0 COMPLETE 0

List  
22. Login / Registration / Logout  
Nov 10  
+ ADD SUBTASK

List  
23. Profile Creation with a profile picture  
Nov 12  
+ ADD SUBTASK

List  
24. CRUD gigs  
Nov 14  
+ ADD SUBTASK

NAME	ASSIGNEE	STATUS	DUE DATE	PRIORITY
1. Profile Creation with a profile picture	Sumuditha Lansakara	COMPLETED	11/12/23	Low
1. CRUD gigs	Sumuditha Lansakara	COMPLETED	11/14/23	Medium
1. Search and filter gigs	Sumuditha Lansakara	COMPLETED	6 days ago	Low
1. Purchase gigs with payment gateway	Sumuditha Lansakara	COMPLETED	5 days ago	Low
1. Add reviews and ratings	Sumuditha Lansakara	COMPLETED	4 days ago	Low
1. Message between seller and buyer	Sumuditha Lansakara	COMPLETED	4 days ago	Low
1. Seller dashboard	Sumuditha Lansakara	COMPLETED	6 days ago	Low
1. Create Test Cases	Yohansa	COMPLETED	Yesterday	Low
1. Conduct Functional Testing	Yohansa	COMPLETED	Yesterday	Medium
1. Perform Non-functional Testing	Yohansa	COMPLETED	Yesterday	Low
1. Execute Requirement and UI Testing	Yohansa	COMPLETED	Yesterday	High
1. Perform UI Testing (Usability)	Yohansa	COMPLETED	Yesterday	Low
1. API testing	Yohansa	COMPLETED	Yesterday	Low
1. Sprint retrospective	Anumm Irshad	COMPLETED	Yesterday	Low

ask

NAME	ASSIGNEE	STATUS	DUE DATE	PRIORITY
1. Time management- Critical path analysis	Anumm Irshad	COMPLETED	11/7/23	Low
1. Implement Time Management Diagrams-AOA	Anumm Irshad	COMPLETED	Yesterday	Low
1. Implement Time Management Diagrams-AON	Anumm Irshad	COMPLETED	Yesterday	Low
1. Database Setup	Sumuditha Lansakara	COMPLETED	11/8/23	High
1. Frontend Development	Sumuditha Lansakara	COMPLETED	3 days ago	Medium
1. Backend Development	Sumuditha Lansakara	COMPLETED	3 days ago	Medium
1. Login / Registration / Logout	Sumuditha Lansakara	COMPLETED	11/10/23	High
1. Profile Creation with a profile picture	Sumuditha Lansakara	COMPLETED	11/12/23	Low
1. CRUD gigs	Sumuditha Lansakara	COMPLETED	11/14/23	Medium
1. Search and filter gigs	Sumuditha Lansakara	COMPLETED	6 days ago	Low
1. Purchase gigs with payment gateway	Sumuditha Lansakara	COMPLETED	5 days ago	Low
1. Add reviews and ratings	Sumuditha Lansakara	COMPLETED	4 days ago	Low
1. Message between seller and buyer	Sumuditha Lansakara	COMPLETED	4 days ago	Low
1. Seller dashboard	Sumuditha Lansakara	COMPLETED	6 days ago	Low
1. Create Test Cases	Yohansa	COMPLETED	Yesterday	Low
1. Conduct Functional Testing	Yohansa	COMPLETED	Yesterday	Medium

## 2.3 Time Estimation Plan

### 2.3.1 Time Estimation Plan for User Registration

Task	Estimated Time (Days)
Requirement Gathering (A)	1.5
UI/UX Design (B)	2.5
Backend Development (C)	3.5
Testing and Debugging (D)	2.5
<b>Total Time for Site Analytics</b>	<b>10</b>

### 2.3.2 Time Estimation Plan for User Login

Task	Estimated Time (Days)
Requirement Gathering (A)	1.5
UI/UX Design (B)	2.5
Backend Development (C)	3.5
Testing and Debugging (D)	2.5
<b>Total Time for Site Analytics</b>	<b>10</b>

### 2.3.3 Time Estimation Plan for Seller Dashboard

Task	Estimated Time (Days)
Requirement Gathering (A)	1.5
UI/UX Design (B)	2.5
Backend Development (C)	3.5
Testing and Debugging (D)	2.5
<b>Total Time for Site Analytics</b>	<b>10</b>

### 2.3.4 Time Estimation Plan for CRUD Gigs

Task	Estimated Time (Days)
Requirement Gathering (A)	1.5
UI/UX Design (B)	2.5
Backend Development (C)	3.5
Testing and Debugging (D)	2.5
<b>Total Time for Site Analytics</b>	<b>10</b>

### 2.3.5 Time Estimation Plan for Search and Filter Gigs

Task	Estimated Time (Days)
Requirement Gathering (A)	1.5
UI/UX Design (B)	2.5
Backend Development (C)	3.5
Testing and Debugging (D)	2.5
<b>Total Time for Site Analytics</b>	<b>10</b>

### 2.3.6 Time Estimation Plan for Purchase Gigs with Payment Gateway

Task	Estimated Time (Days)
Requirement Gathering (A)	1.5
UI/UX Design (B)	2.5
Backend Development (C)	3.5
Testing and Debugging (D)	2.5
<b>Total Time for Site Analytics</b>	<b>10</b>

### 2.3.7 Time Estimation Plan for Add reviews and Rating

Task	Estimated Time (Days)
Requirement Gathering (A)	1.5
UI/UX Design (B)	2.5
Backend Development (C)	3.5
Testing and Debugging (D)	2.5
<b>Total Time for Site Analytics</b>	<b>10</b>

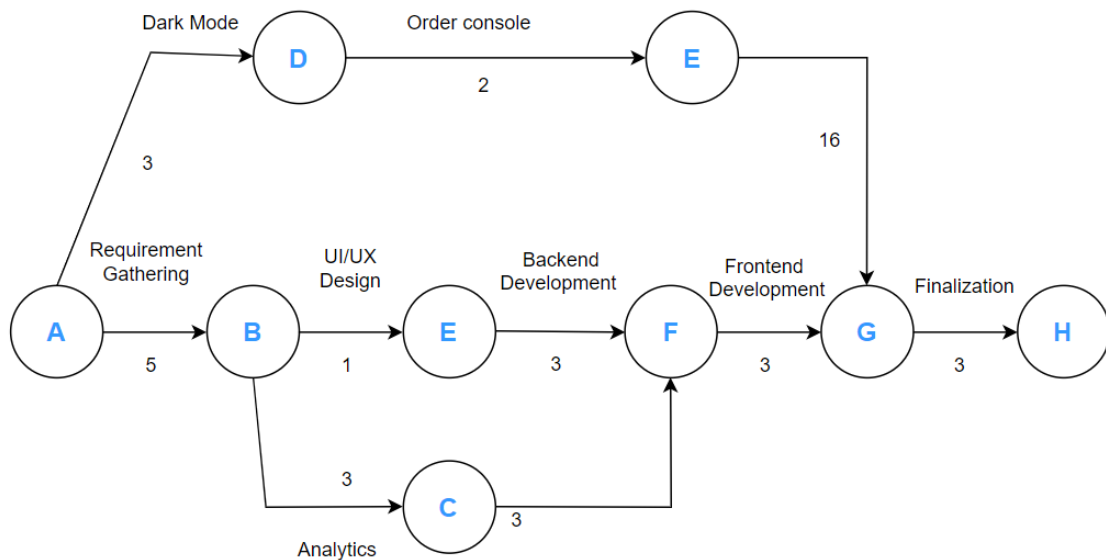
### 2.3.8 Time Estimation Plan for Message between Seller and Buyer

Task	Estimated Time (Days)
Requirement Gathering (A)	1.5
UI/UX Design (B)	2.5
Backend Development (C)	3.5
Testing and Debugging (D)	2.5
<b>Total Time for Site Analytics</b>	<b>10</b>

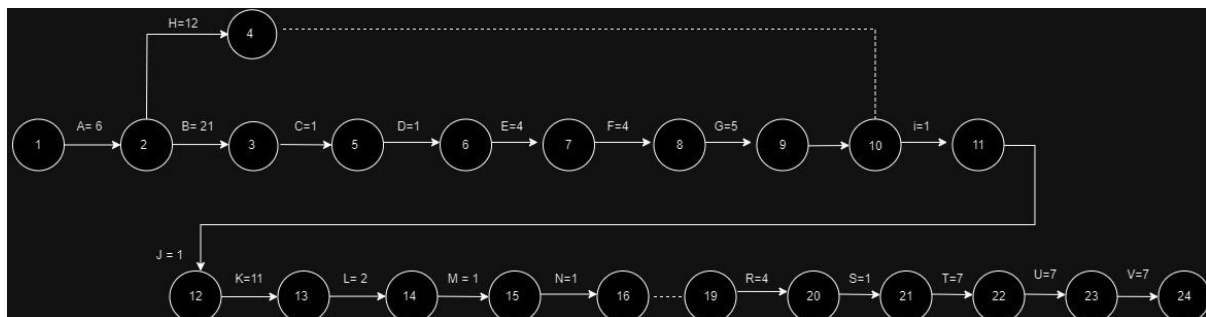
### 2.3.6 Time Estimation for Sprint 01

25 Days

### 2.3.7 AOA Diagram



### 2.3.8 AON Diagram



## 2.4 Critical Path Analysis

### 1. Login:

- A (Requirement Gathering) -> B (UI/UX Design) -> C (Backend Development) -> D (Testing and Debugging)

### 2. User Registration:

- E (Requirement Gathering) -> F (UI/UX Design) -> G (Backend Development) -> H (Testing and Debugging)



3. **Logout:**
  - a. **I** (Requirement Gathering) -> **J** (UI/UX Design) -> **K** (Backend Development) -> **L** (Testing and Debugging)
  
4. Profile Creation with Profile Picture
  - a. **I** (Requirement Gathering) -> **J** (UI/UX Design) -> **K** (Backend Development) -> **L** (Testing and Debugging)
  
5. CRUD Gigs
  - a. **I** (Requirement Gathering) -> **J** (UI/UX Design) -> **K** (Backend Development) -> **L** (Testing and Debugging)
  
6. Search and Filter Gigs
  - a. **I** (Requirement Gathering) -> **J** (UI/UX Design) -> **K** (Backend Development) -> **L** (Testing and Debugging)
  
7. Purchase Gigs with Payment Gateway
  - a. **I** (Requirement Gathering) -> **J** (UI/UX Design) -> **K** (Backend Development) -> **L** (Testing and Debugging)
  
8. Add Reviews and Ratings
  - a. **I** (Requirement Gathering) -> **J** (UI/UX Design) -> **K** (Backend Development) -> **L** (Testing and Debugging)
  
9. Message between Seller and Buyer
  - a. **I** (Requirement Gathering) -> **J** (UI/UX Design) -> **K** (Backend Development) -> **L** (Testing and Debugging)
  
10. Seller Dashboard
  - a. **I** (Requirement Gathering) -> **J** (UI/UX Design) -> **K** (Backend Development) -> **L** (Testing and Debugging)

Task Id	Task Description	Assigned To	Estimated Time (Days)
---------	------------------	-------------	-----------------------

1	Requirement Gathering for Site Analytics	Business Analyst	1.5
2	UI/UX Design for Site Analytics	Developer	2.5
3	Backend Development for Site Analytics	Developer	3.5
4	Testing and Debugging for Site Analytics	Quality Assurance	2.5
5	Total Time for Site Analytics	Quality Assurance	10
6	Requirement Gathering for Different Payout Options	Business Analyst	1
7	UI/UX Design for Different Payout Options	Developer	2.5
8	Backend Development for Different Payout Options	Quality Assurance	4
9	Testing and Debugging for Different Payout Options	Quality Assurance	2.5
10	Total Time for Different Payout Options		10
11	Requirement Gathering for Dark Mode	Business Analyst	1
12	UI/UX Design for Dark Mode	Developer	1
13	Backend Development for Dark Mode	Developer	2
14	Testing and Debugging for Dark Mode	Quality Assurance	1
15	Total Time for Dark Mode	Developer	5

## 2.5 Moscow Prioritization

The Moscow prioritization method helps you classify tasks into four categories.

Moscow Prioritization is a technique used in project management and software development to prioritize tasks based on their importance and urgency. The acronym "Moscow" stands for:

- **Must-haves:** Critical requirements that are necessary for the project's success. These are the core features without which the project cannot proceed.
- **Should-haves:** Important requirements that are desirable but not absolutely critical. These features enhance the project and should be included if possible.
- **Could-haves:** Nice-to-have features that are not crucial for the project's success. These are often considered if time and resources allow but can be deferred to a later phase if necessary.
- **Won't-haves:** Features explicitly identified as out of scope for the current project. These are intentionally excluded, and the team agrees not to pursue them in the current iteration.

### 2.5.1 Must Have

1. User registration and profile management
2. User Sign-In and Basic Security
3. Project Discovery
4. Gigs
5. Communication tools: Message between seller and buyer
6. Seller dashboard
7. Job postings and service listings

### 2.5.2 Should Have

1. Session Management for User Authentication
2. Project Individual View
3. UI/UX Improvements

### 2.5.3 Could Have

1. Mobile Responsiveness
2. User Notifications
3. User Feedback and Issue Resolution

### 2.5.4 Won't Have

1. Advanced Search Features
2. Integration with Third-Party Services (e.g. Social Media Login)
3. Review and rating system

# MOSCOW PRIORITIZATION



## 2.6 Solution Conceptualizing

### 2.6.1 User Stories

Login:

- As a registered freelancer, I want to log in securely to the platform using my credentials, SKILLED.COM 85 So that I can access my personalized dashboard, view my profile, and manage my freelance activities efficiently.

Acceptance Criteria:

- Upon entering valid credentials, I should be redirected to my personalized dashboard.
- Incorrect login attempts should result in an appropriate error message.
- Passwords should be securely encrypted during transmission.

Logout

- I want to logout from the website securely, So that I can protect my account and ensure that no one else can access my freelance information.

Acceptance Criteria

- Clicking on the logout button should securely log the freelancer out.
- After logout, attempts to access account features should redirect to the login page.

## Register

- I want to register on the website, So that I can create a comprehensive profile, highlight my skills, and embark on my freelance journey by connecting with potential clients.

## Acceptance Criteria

- The registration process should require valid email verification.
- Upon registration, the freelancer should be directed to the profile creation page.

## Profile Creation with a Profile Picture

- I want to create a detailed profile on the platform, including adding a profile picture, SKILLED.COM 87 So that I can present a professional and appealing image to potential clients, increasing my chances of securing freelance opportunities.

## Acceptance Criteria

- The profile creation should include mandatory fields for skills, experience, and a bio.
- Uploading a profile picture should be a smooth and error-free process.

## Create Gigs

- I want to create new gigs on the website, So that I can showcase my unique skills and services, making it easy for clients to understand what I offer and potentially hire me for their projects.

## Acceptance Criteria

- Creating a gig should involve specifying services offered, pricing, and delivery time.
- Creating a gig should involve specifying services offered, pricing, and delivery time.

## View Gigs

- I want to explore and view available gigs on the website, So that I can identify relevant opportunities, stay informed about potential projects, and tailor my services to match market demand.

## Acceptance Criteria

- The freelancer should easily access a list of available gigs.

- Gigs should be displayed with clear information about the job requirements and budget.

#### Update Gigs:

- I want to update my existing gigs on the freelancer website, So that I can adapt to changes in my services, keep clients informed, and ensure my gig information remains accurate and attractive.

#### Acceptance Criteria

- The freelancer should be able to edit gig details, including services, pricing, and delivery time.
- After updating, the changes should be reflected immediately on the freelancer's profile.

#### Delete Gigs

- I want to delete outdated or irrelevant gigs on the website, So that I can maintain a current and precise representation of my skills and services, providing potential clients with accurate information.

#### Acceptance Criteria

- The freelancer should have the option to delete a gig.
- Deleting a gig should remove it from the freelancer's profile and search results.

#### Search and Filter Gigs

- I want to efficiently search and filter specific gigs on the website, So that I can quickly find opportunities that align with my skills and preferences, optimizing my time and increasing the likelihood of successful matches.

#### Acceptance Criteria

- The search feature should return gigs matching the freelancer's skills and preferences.
- Filters should include relevant criteria such as budget range, delivery time, and project type.

#### Add Reviews and Ratings

- I want to receive reviews and ratings from other freelancers and employers on the website, So that I can build a positive reputation, establish credibility with potential clients, and increase my chances of being hired.

#### Acceptance Criteria

- The freelancer should receive reviews and ratings from buyers.
- Reviews should be displayed prominently on the freelancer's profile.

#### Message between Seller and Buyer

- I want to communicate with employers on the website, SKILLED.COM 91 So that I can discuss project details, address inquiries, and foster a collaborative working relationship with clients.

#### Acceptance Criteria

- The freelancer should have a messaging system to communicate with buyers.
- Messages should be threaded and easily accessible within the freelancer's dashboard.

## 2.6.2 User Persona

### User Persona 1: User – Login

- Background
  - Name: Kasuni Siriwardana
  - Age: 28
  - Occupation: Graphic Designer
  - Education: Bachelor's degree in graphic design
  - Location: Colombo, Sri Lanka
- Goals and Motivation
  - Seeks a secure and efficient login process.
  - Values quick access to the platform to manage freelance activities.
- Challenges
  - Balancing freelance work with academic commitments.
  - Limited exposure to potential clients and job opportunities.
- Behaviours and Needs

- Desires a seamless login experience for quick access to the dashboard.

### User Persona 2: User – Logout

- Background
  - Name: Harith Jayasooriya
  - Age: 40
  - Occupation: Marketing Manager
  - Education: Bachelor's degree in business administration
  - Location: Colombo, Sri Lanka
- Goals and Motivation
  - Seeks a secure and efficient logout process.
  - Values quick access to the platform to manage freelance activities.
- Challenges
  - Finding reliable freelancers who can consistently deliver work to meet project goals.
  - Ensuring clear communication and understanding between him and the freelancers.
  - Managing multiple freelancers and projects simultaneously
- Behaviours and Needs
  - Actively posts marketing project requirements on freelance platforms.
  - Values a platform with a diverse pool of skilled freelancers who specialize in various fields.

### User Persona 3: User – Registration

- Background
  - Name: Alex Silva
  - Age: 40
  - Occupation: Marketing Manager
  - Education: Bachelor's degree in business administration
  - Location: Colombo, Sri Lanka
- Goals and Motivation
  - Seeks a secure and efficient login process.
  - Values quick access to the platform to manage freelance activities.
- Challenges
  - Finding reliable freelancers who can consistently deliver work to meet project goals.
  - Ensuring clear communication and understanding between him and the freelancers.



- Managing multiple freelancers and projects simultaneously.
- Behaviours and Needs
  - Actively posts marketing project requirements on freelance platforms.
  - Values a platform with a diverse pool of skilled freelancers who specialize in various fields.

#### User Persona 4: Freelancer – Seller Dashboard

- Background
  - Name: Rajesh Kumara
  - Age: 40
  - Occupation: Marketing Manager
  - Education: Bachelor's degree in business administration
  - Location: Colombo, Sri Lanka
- Goals and Motivation
  - Seeks a secure and efficient login process.
  - Values quick access to the platform to manage freelance activities.
- Challenges
  - Finding reliable freelancers who can consistently deliver work to meet project goals.
  - Ensuring clear communication and understanding between him and the freelancers.
  - Managing multiple freelancers and projects simultaneously
- Behaviours and Needs
  - Actively posts marketing project requirements on freelance platforms.
  - Values a platform with a diverse pool of skilled freelancers who specialize in various fields.

#### User Persona 5: Freelancer – CRUD Gigs

- Background
  - Name: Emma Rodrigo
  - Age: 25
  - Occupation: Software Developer
  - Education: Bachelor's degree in business administration
  - Location: Colombo, Sri Lanka
- Goals and Motivation
  - Desires to efficiently create, update, and delete gigs on the platform.
  - Aims to showcase skills and attract clients through well-managed gigs.
- Challenges
  - Ensuring clear communication and understanding between him and the freelancers.

- Managing multiple freelancers and projects simultaneously
- Behaviours and Needs
  - Actively posts marketing project requirements on freelance platforms.
  - Values a platform with a diverse pool of skilled freelancers who specialize in various fields.

#### User Persona 6: Freelancer – Search and Filter Gigs

- Background
  - Name: Emma Rodrigo
  - Age: 25
  - Occupation: Software Developer
  - Education: Bachelor's degree in business administration
  - Location: Colombo, Sri Lanka
- Goals and Motivation
  - Desires to efficiently create, update, and delete gigs on the platform.
  - Aims to showcase skills and attract clients through well-managed gigs.

#### User Persona 7: Employer – Search and Filter Gigs

- Background
  - Name: Aaron Pereira.
  - Age: 28
  - Occupation: Marketing Manager
  - Education: Bachelor's degree in business administration
  - Location: Colombo, Sri Lanka
- Goals and Motivation
  - Actively searches for relevant freelance projects in graphic design.
  - Values a platform that allows easy searching and filtering of gigs.
- Behaviours and Needs
  - Actively posts marketing project requirements on freelance platforms.
  - Values a platform with a diverse pool of skilled freelancers who specialize in various fields.

#### User Persona 8: Employer – Purchase Gigs with payments gateways

- Background
  - Name: Aanya Fernando
  - Age: 27
  - Occupation: Graphic Designer
  - Education: Bachelor's degree in graphic design

- Location: Colombo, Sri Lanka
- Goals and Motivation
  - Wants to securely purchase gigs using a reliable payment gateway.
  - Values a platform that offers smooth payment options.

#### User Persona 9: Employer – Add reviews and Ratings

- Background
  - Name: Yohan Silva
  - Age: 22
  - Occupation: Social Media Manager
  - Education: Bachelor's degree in business
  - Location: Colombo, Sri Lanka
- Goals and Motivation
  - Aims to receive positive reviews and ratings to build a positive reputation.
  - Seeks acknowledgment for quality work through client feedback.
- Challenges
  - Finding reliable freelancers who can consistently deliver work to meet project goals.
  - Ensuring clear communication and understanding between him and the freelancers.
- Behaviours and Needs
  - Actively posts marketing project requirements on freelance platforms.
  - Values a platform with a diverse pool of skilled freelancers who specialize in various fields.

#### User Persona 10: Freelancer – Message between seller and buyer

- Background
  - Name: Heshan Karunathilake
  - Age: 33 Occupation: Content Writer
  - Education: : Bachelor's degree in business administration
  - Location: Colombo, Sri Lanka
- Goals and Motivation
  - Seeks a secure and efficient communication process.
  - Values quick access to the platform to manage orders.
- Challenges
  - Finding reliable freelancers who can consistently deliver work to meet project.
  - Ensuring clear communication and understanding between him and the freelancers.
- Behaviours and Needs
  - Actively posts marketing project requirements on freelance platforms.

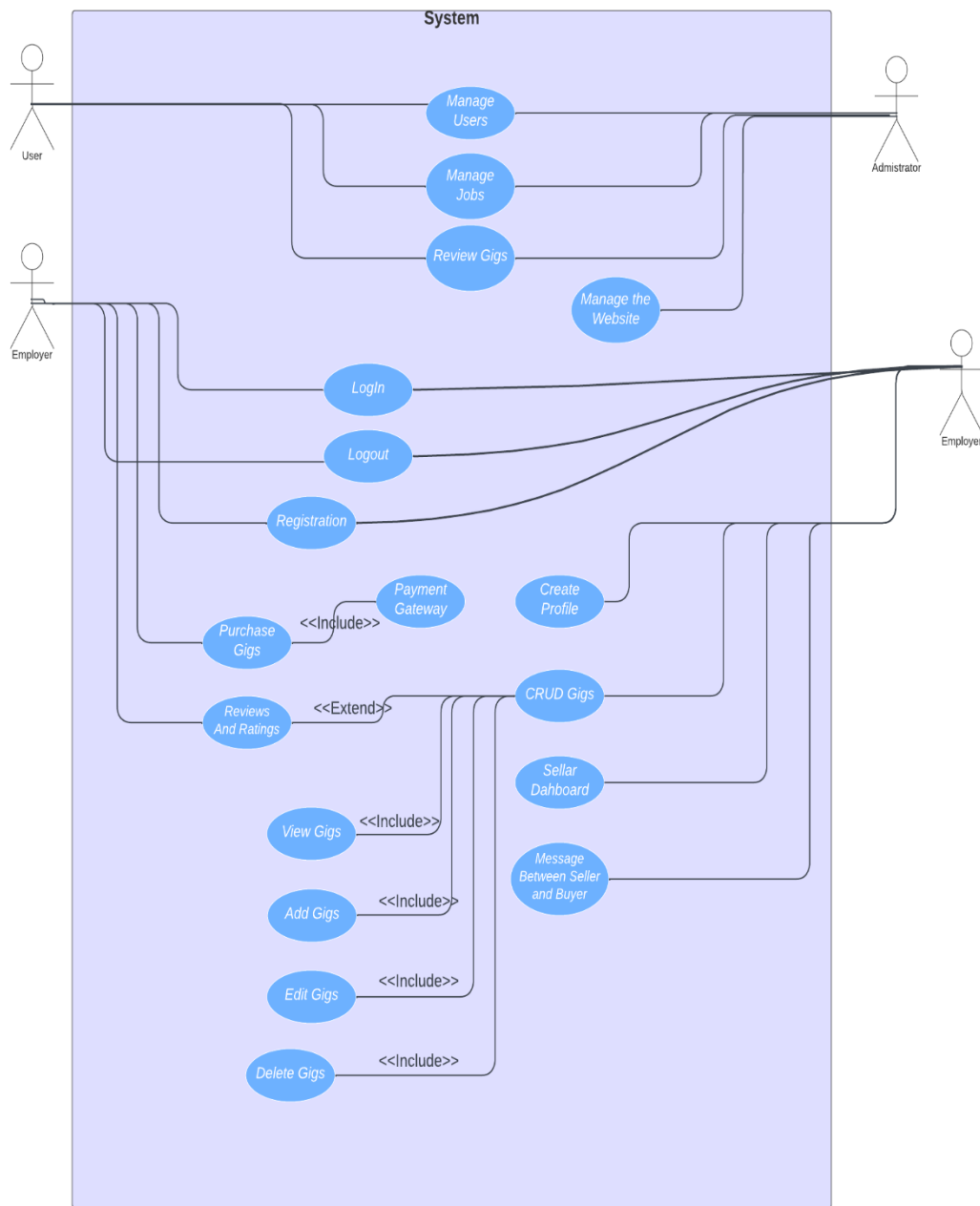
- Values a platform with a diverse pool of skilled freelancers who specialize in various fields.

#### User Persona 11: Employer – Message between seller and buyer

- Background
  - Name: Kapila Jayasooriya
  - Age: 40 Occupation: Banker
  - Education: Bachelor's degree in business administration
  - Location: Colombo, Sri Lanka
- Goals and Motivation
  - Clear Communication

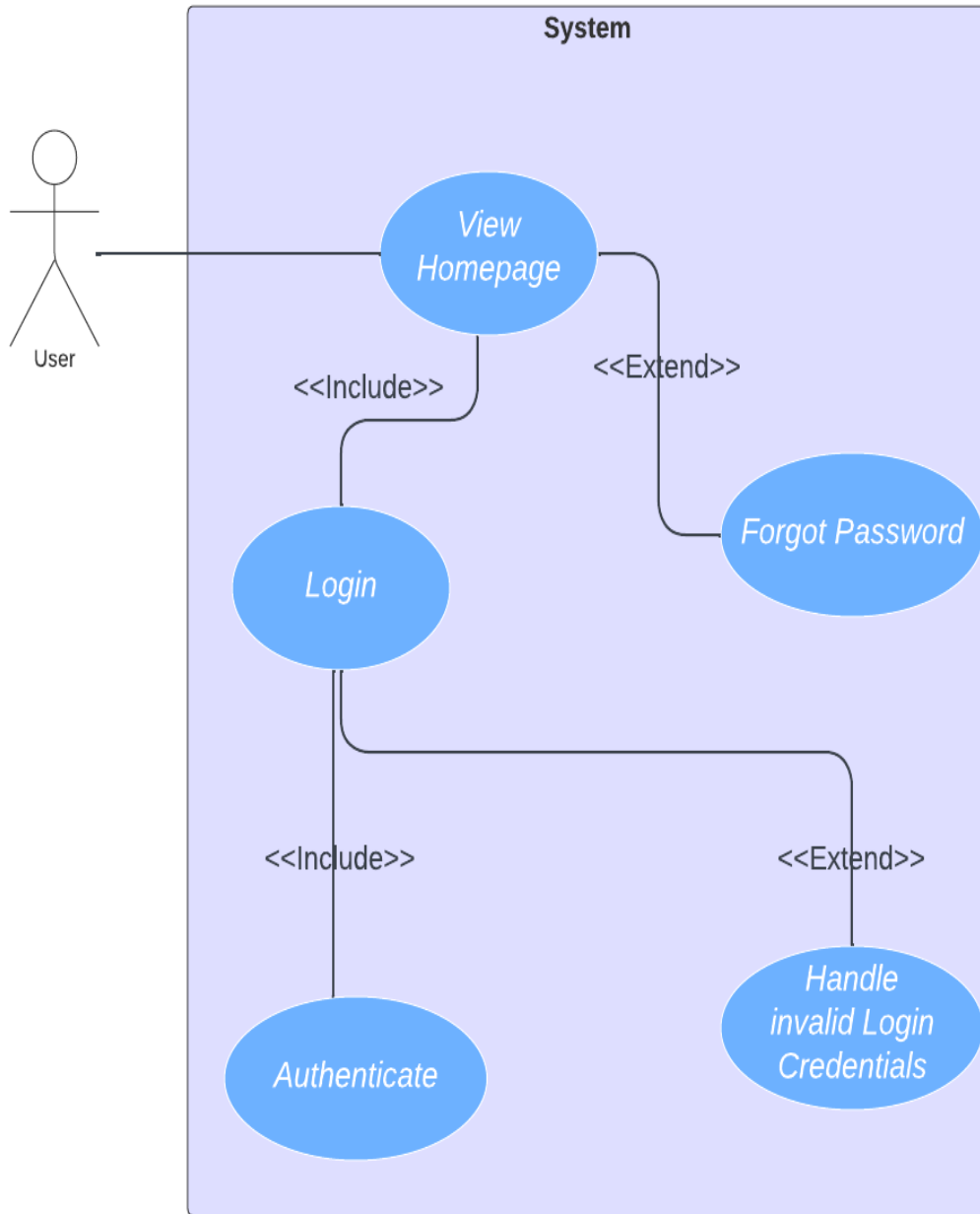
### 2.6.3 Use Case Diagrams

#### High-level Use Case Diagram



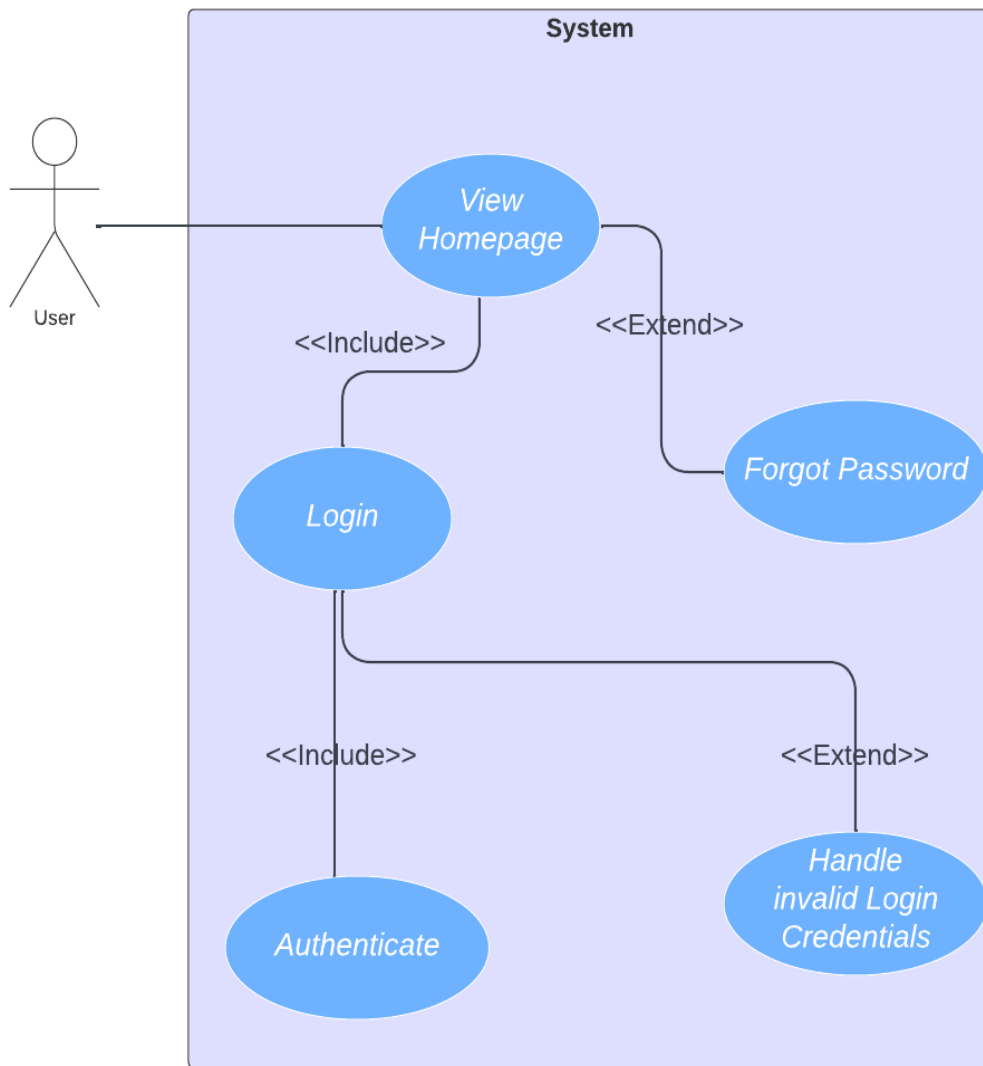
High Level Use Case Diagram

### Use Case - 1 (User Registration use case)



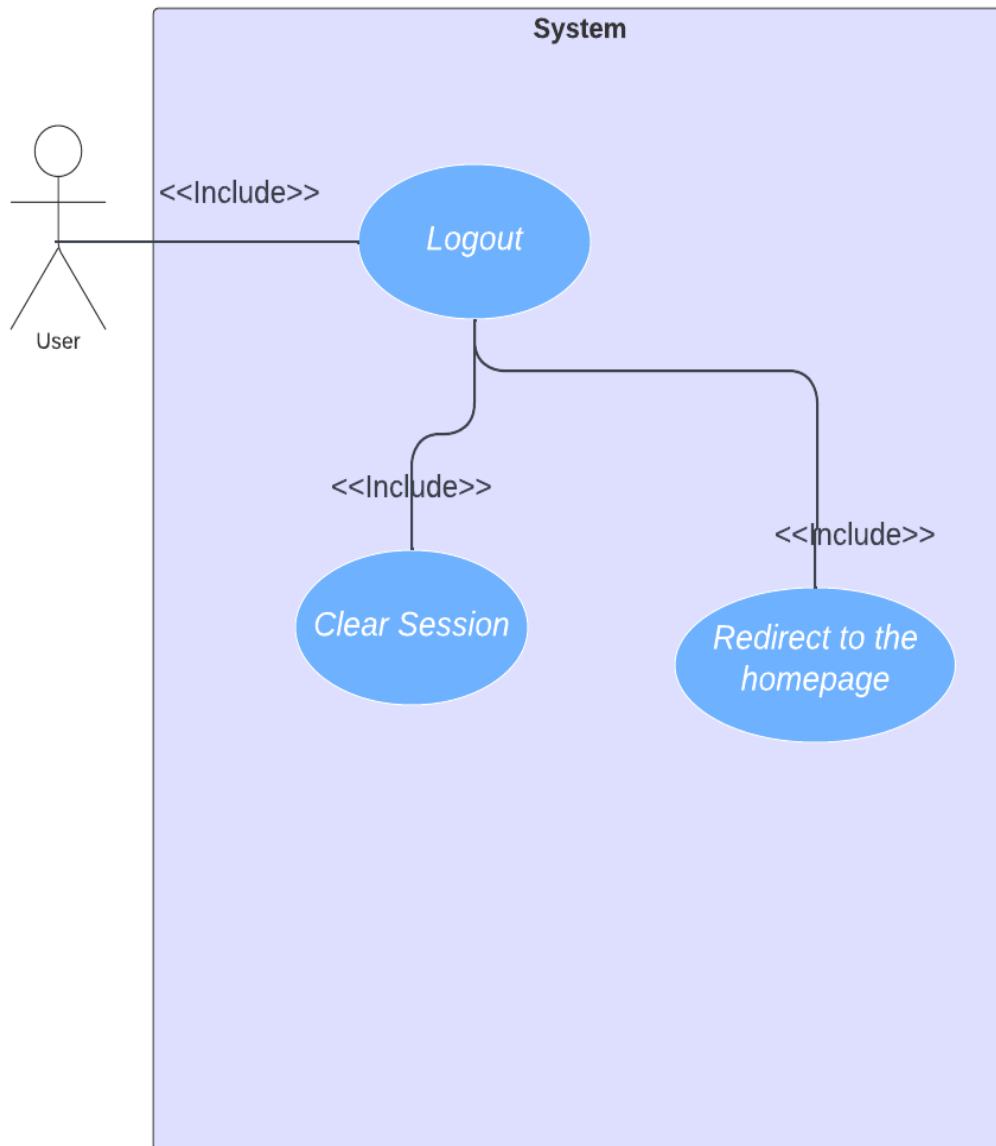
Use Case - 2 (Login Use Case)

Use Case - 2 (Login use case)



Use Case - 2 (Login Use Case)

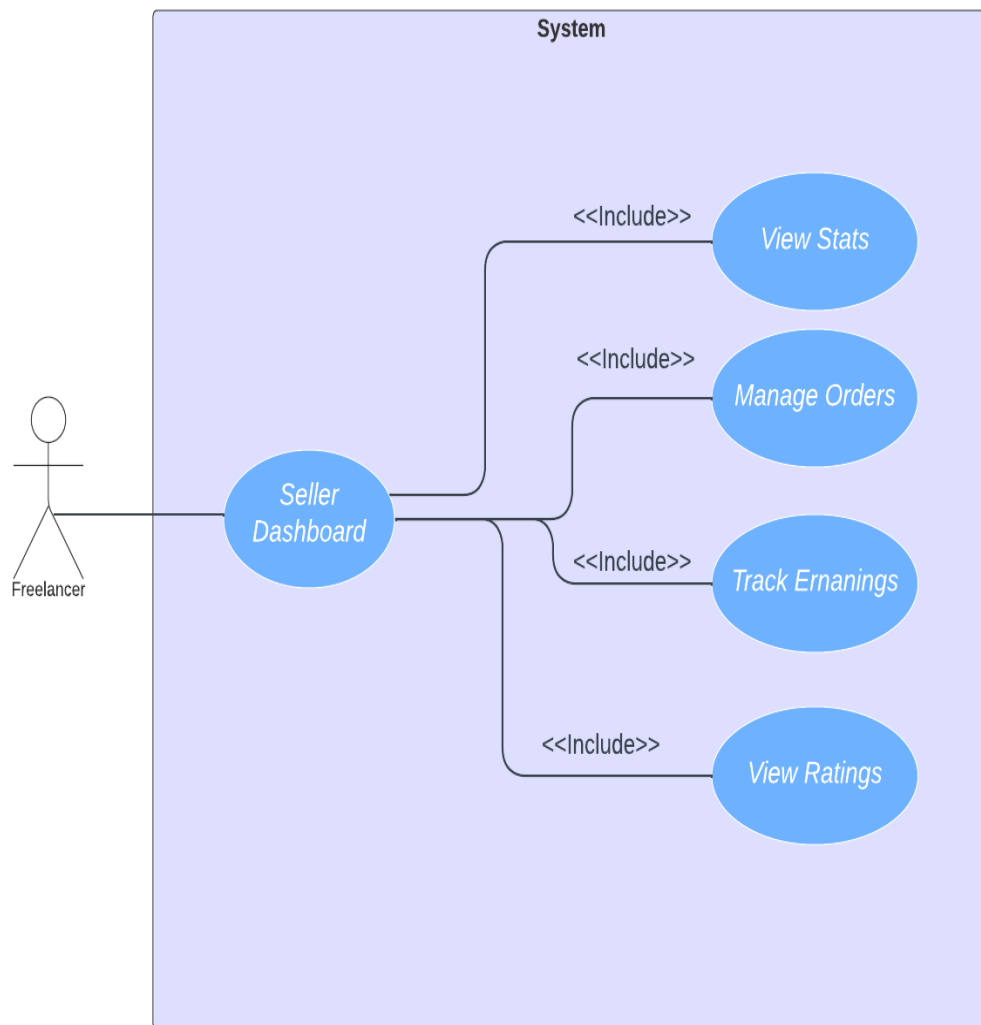
Use Case - 3 (Logout Use Case)



Use Case - 3 (Logout)

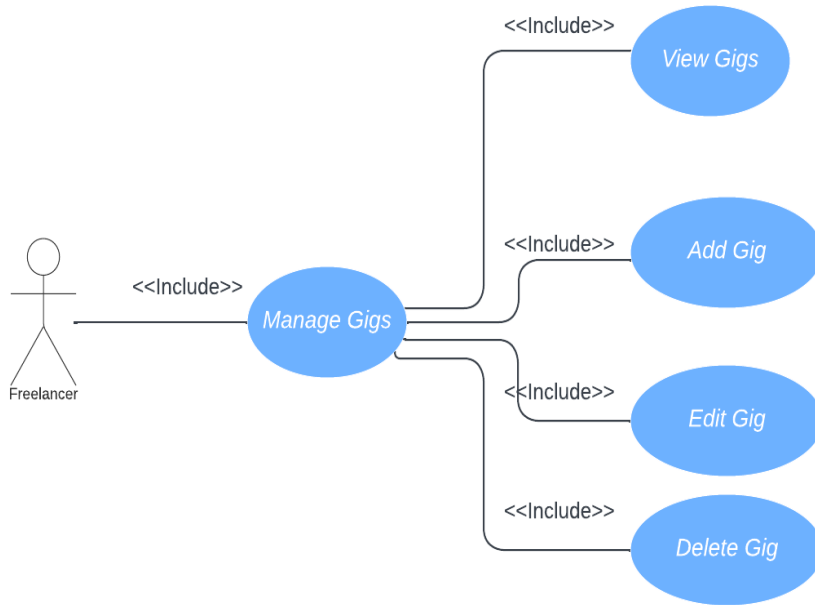
Use Case - 4 (Seller Dashboard use case)





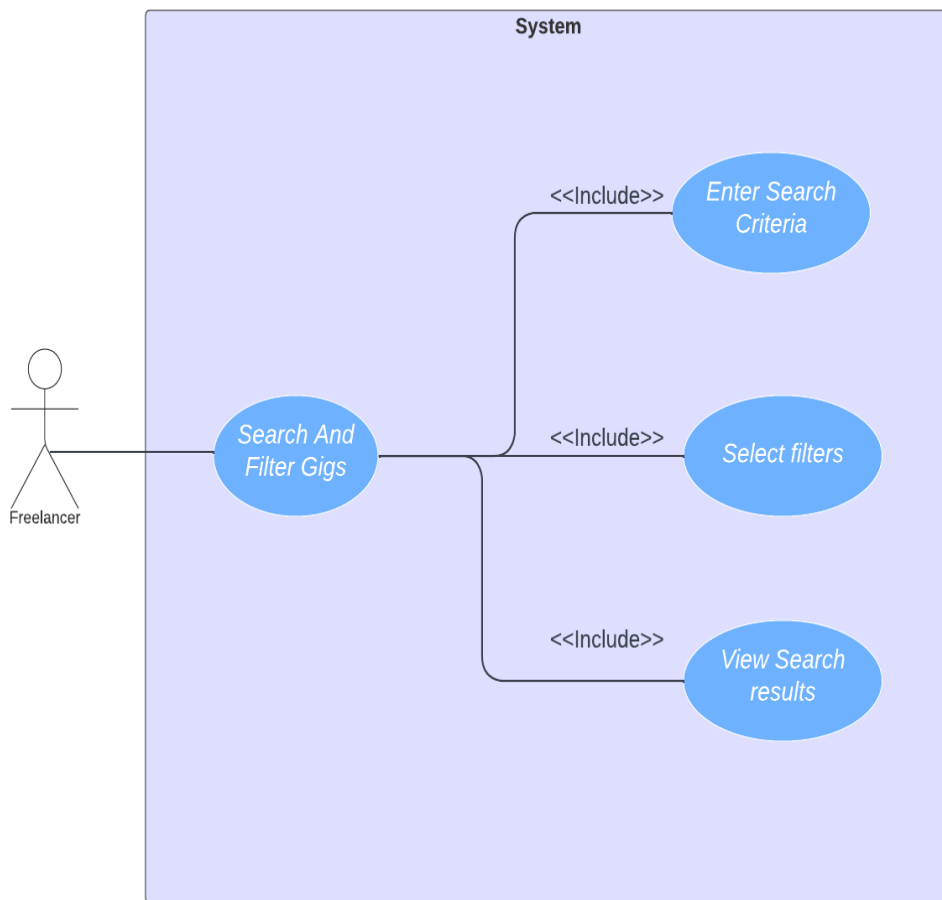
Use Case - 4 (Seller Dshboard)

Use Case - 5 (CRUD Gigs Use Case)



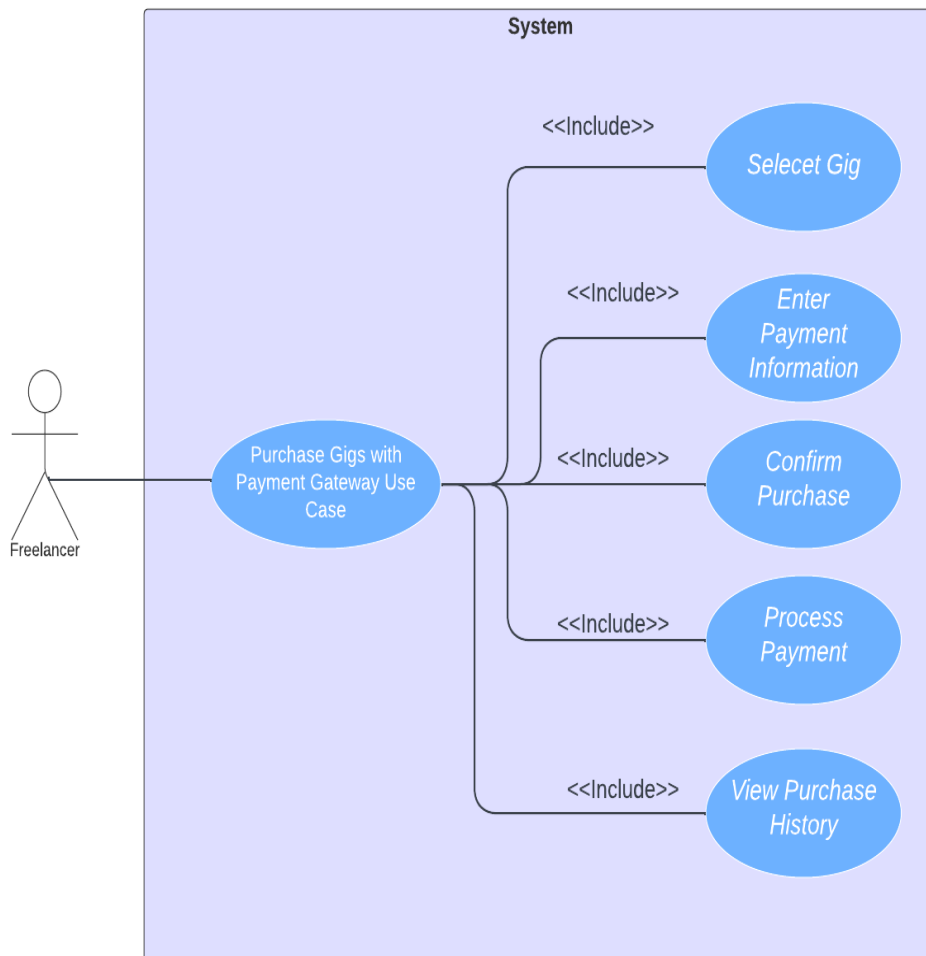
Use Case - 3 (CRUD Gigs)

Use Case - 6 (Search and Filter Gigs Use Case)



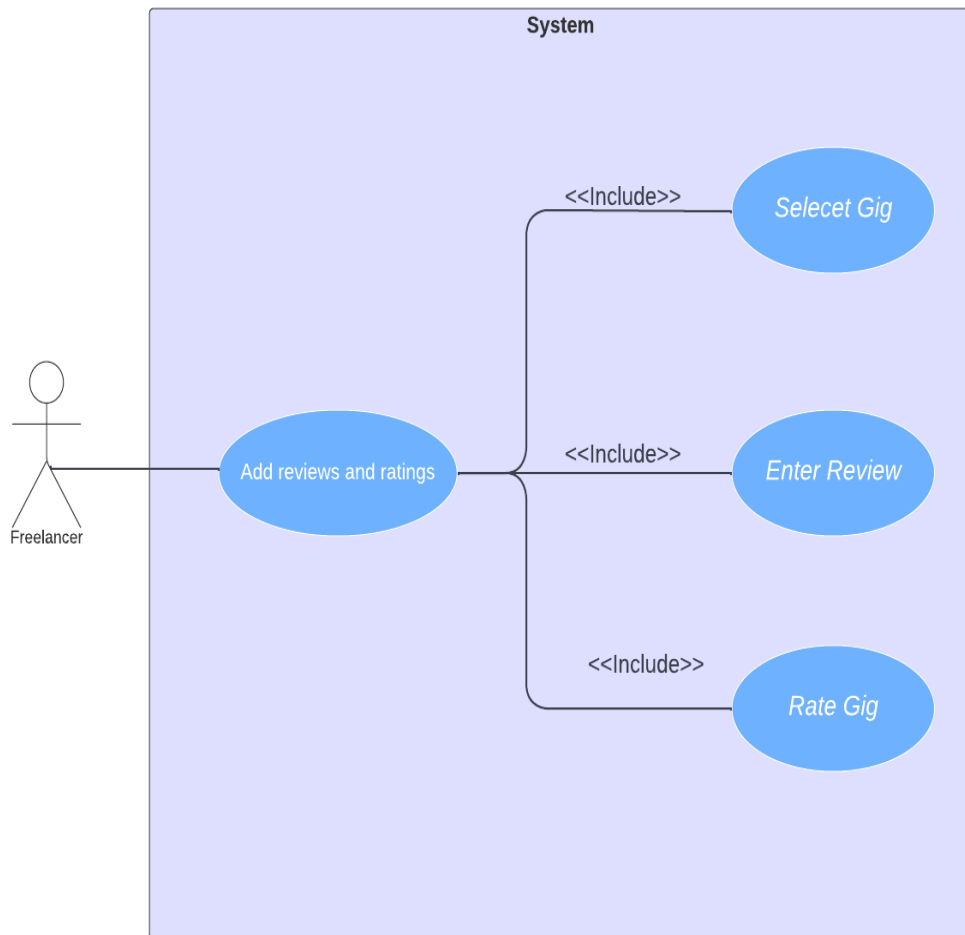
Use Case - 6 (Search and filter gigs)

Use Case - 7 (Purchase Gigs with Payment Gateway Use Case)



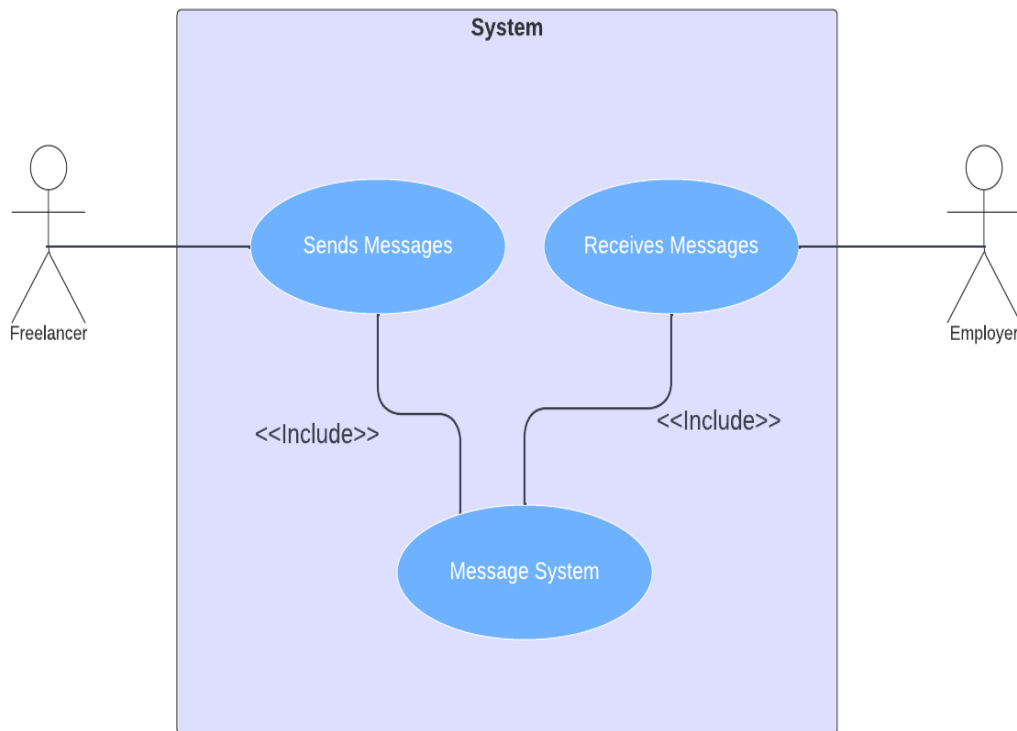
Use Case - 7 (Purchase gigs with payment gateway)

Use Case - 8 (Add Reviews and Ratings Use Case)



Use Case - 8 (Add reviews and ratings)

Use Case - 9 (Message between Seller and Buyer Use Case)



Use Case - 8 (Add reviews and ratings)

Use case specification

Use Case - 1 (User **Registration**)

Use Case Name	Registration
Primary Actor	User (Freelancer or Employer)
Pre-Conditions	User does not have an existing account with the system
Basic Flow	1. User initiates the registration process 2. System prompts the user to provide necessary details 3. User enters required information (username, password, etc.) 4. System validates the entered information 5. If validation is successful, the user is

	registered 6. System generates a unique user ID and activates the account 7. Registration is complete and user can log in
Extensions	If entered information is invalid, show error message
Post Conditions	User is registered and can log in with the new account
Optional Info	

#### Use Case - 2 (Login)

Use Case Name	Login
Primary Actor	User (Freelancer or Employer)
Pre-Conditions	User has a registered account with valid credentials
Basic Flow	1. User enters valid username and password. 2. System validates the credentials. 3. If credentials are valid, the user is authenticated. 4. System updates the last login timestamp. 5. Login is successful.
Extensions	If credentials are invalid, show authentication error
Post Conditions	User is logged in, and system state is updated

#### Use Case - 3 (Logout)

Use Case Name	Logout
Primary Actor	User (Freelancer or Employer)
Pre-Conditions	User is currently logged into the system
Basic Flow	1. User initiates the logout process 2. System logs out the user
Extensions	None
Post Conditions	User is logged out and system state is updated
Optional Info	

#### Use Case - 4 (Seller Dashboard)

Use Case Name	Seller Dashboard
Primary Actor	Seller (User managing and monitoring Gigs)
Pre-Conditions	Seller is logged into the system

Basic Flow	<ol style="list-style-type: none"> <li>1. Seller accesses the dashboard for an overview</li> <li>2. System displays key information (e.g., Gig status, earnings)</li> <li>3. Seller can view, edit, or manage their Gigs</li> </ol>
Extensions	None
Post Conditions	Seller has an overview of Gig performance and can manage Gigs
Optional Info	

#### Use Case - 5 (CRUD Gigs)

Use Case Name	CRUD Gigs
Primary Actor	CRUD Gigs
Pre-Conditions	Employer (User creating and managing Gigs)
Basic Flow	<ol style="list-style-type: none"> <li>1. Employer creates a new Gig</li> <li>2. System validates and saves the new Gig</li> <li>3. Employer can view, edit, or delete existing Gigs</li> <li>4. System updates the Gig information as needed</li> </ol>
Extensions	None
Post Conditions	Gig information is updated or new Gig is added
Optional Info	

#### Use Case - 6 (Search and Filter Gigs Use Case)

Use Case Name	Search and Filter Gigs
Primary Actor	Freelancer (User searching and filtering Gigs)
Pre-Conditions	Freelancer is logged into the system
Basic Flow	<ol style="list-style-type: none"> <li>1. Freelancer enters search criteria and/or selects filters.</li> <li>2. System retrieves and displays matching Gigs</li> </ol>
Extensions	None
Post Conditions	Freelancer views a list of Gigs based on search criteria
Optional Info	



Use Case - 7 (**Purchase Gigs with Payment Gateway Use Case**)

Use Case Name	Purchase Gigs with Payment Gateway
Primary Actor	Freelancer (User purchasing Gigs)
Pre-Conditions	Freelancer is logged into the system
Basic Flow	<ol style="list-style-type: none"> <li>1. Freelancer selects a Gig to purchase</li> <li>2. System prompts Freelancer to enter payment information</li> <li>3. Freelancer confirms the purchase</li> <li>4. System processes the payment using the payment gateway</li> <li>5. Freelancer can view the purchase history</li> </ol>
Extensions	None
Post Conditions	Gig is purchased, payment is processed, and history is updated
Optional Info	

Use Case - 8 (**Add Reviews and Ratings Use Case**)

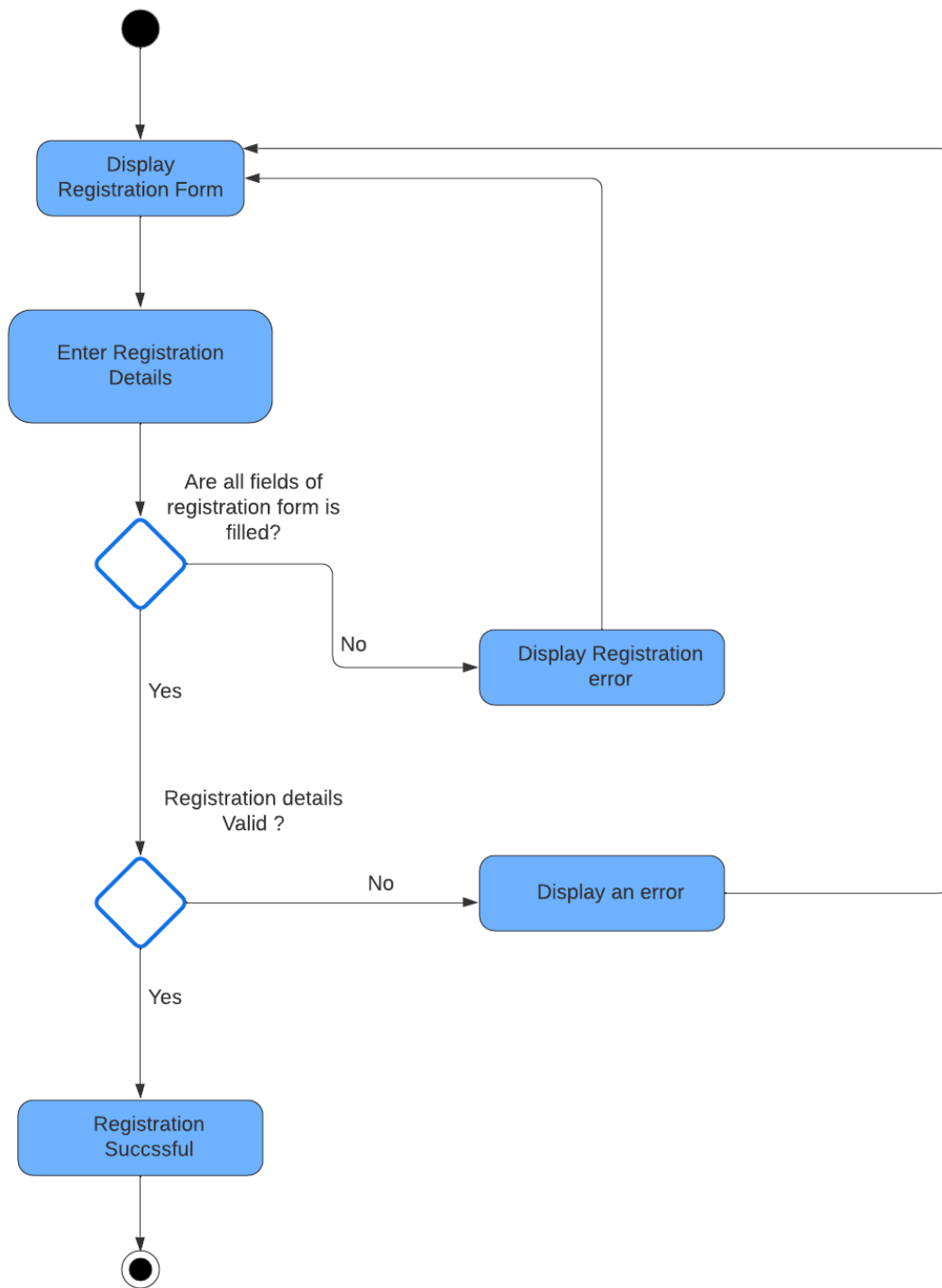
Use Case Name	Add Reviews and Ratings
Primary Actor	Employer (User adding reviews and ratings)
Pre-Conditions	Employer is logged into the system
Basic Flow	<ol style="list-style-type: none"> <li>1. Employer selects a Gig to review and rate</li> <li>2. Employer enters review text and provides a rating</li> <li>3. System validates and saves the review and rating</li> </ol>
Extensions	None
Post Conditions	Review and rating are added to the selected Gig
Optional Info	

Use Case - 9 (**Message between Seller and Buyer Use Case**)

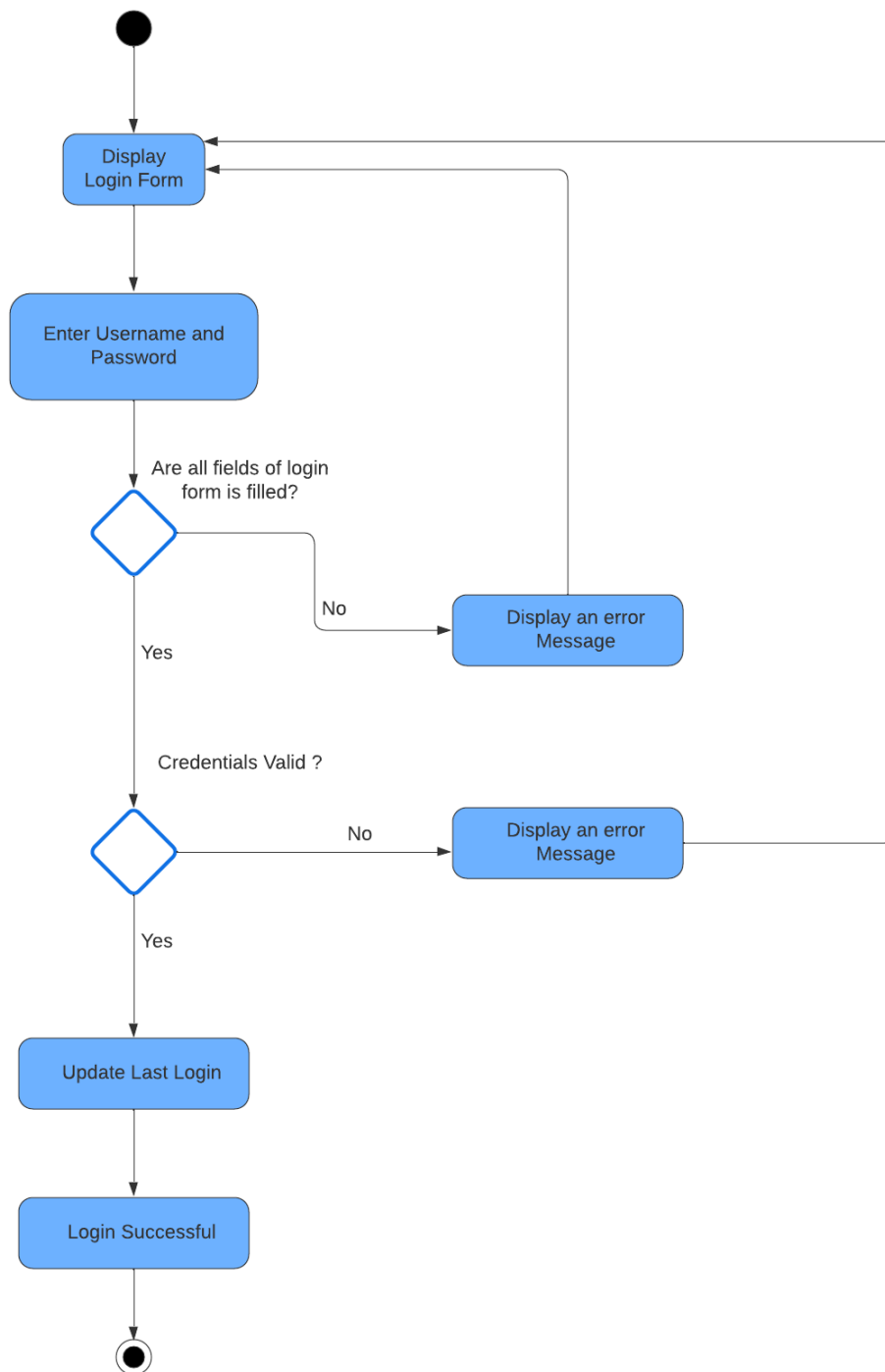
Use Case Name	Message between Seller and Buyer
Primary Actor	Buyer and Seller (Users sending and receiving messages)
Pre-Conditions	Buyer and Seller are logged into the system
Basic Flow	<ol style="list-style-type: none"> <li>1. Buyer initiates a message to a specific Seller</li> <li>2. System facilitates the message exchange</li> <li>3. Seller receives and can respond to the message</li> </ol>
Extensions	None
Post Conditions	Buyer and Seller communicate through the messaging system
Optional Info	

## 2.6.4 Activity Diagram

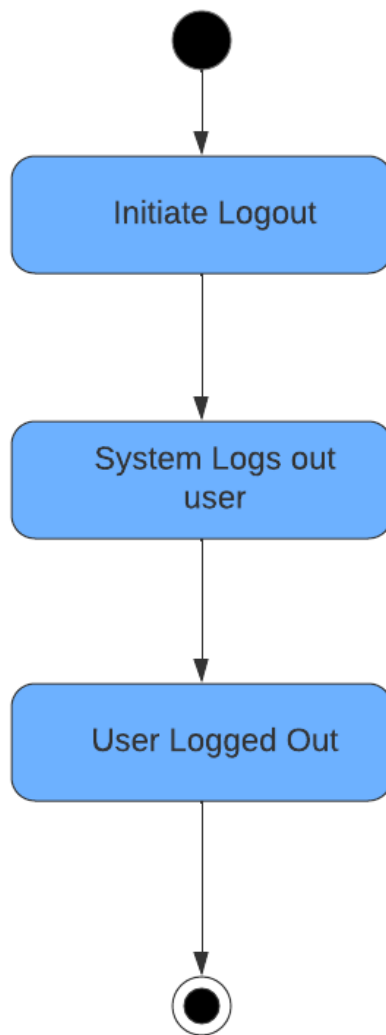
Activity Diagram - 1 (User **Registration**)



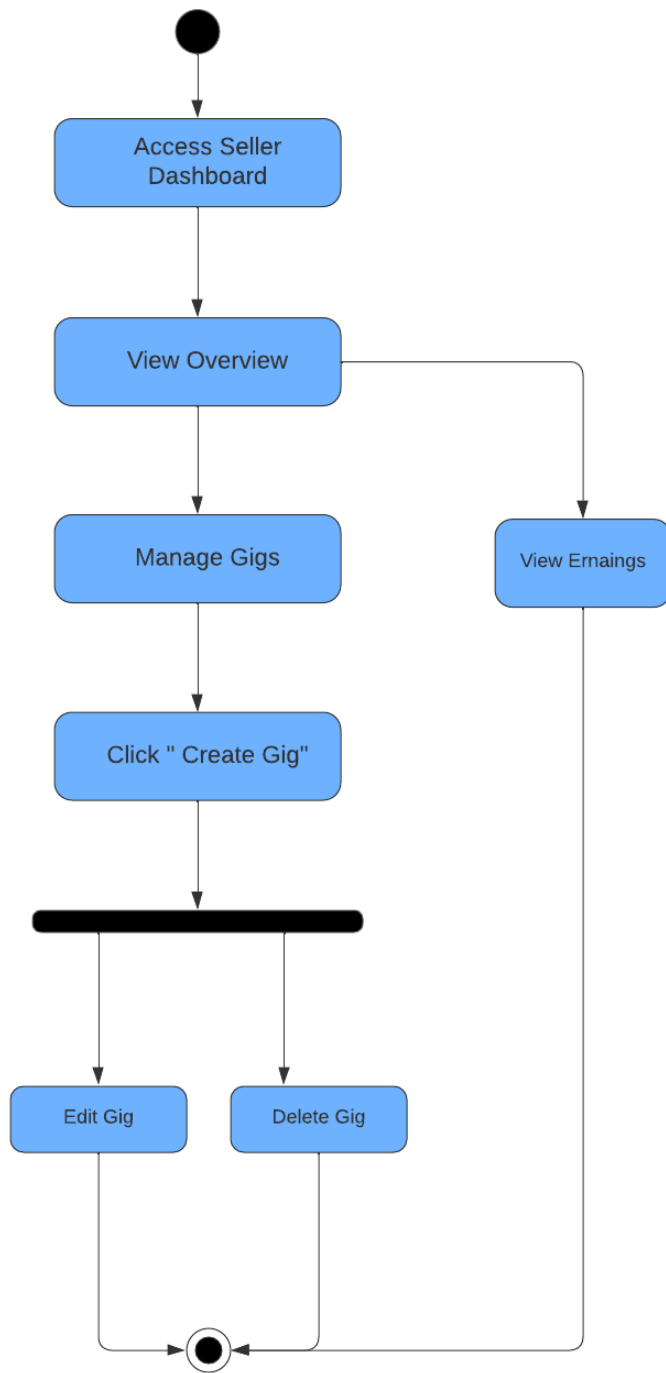
Activity Diagram - 2 (Login)



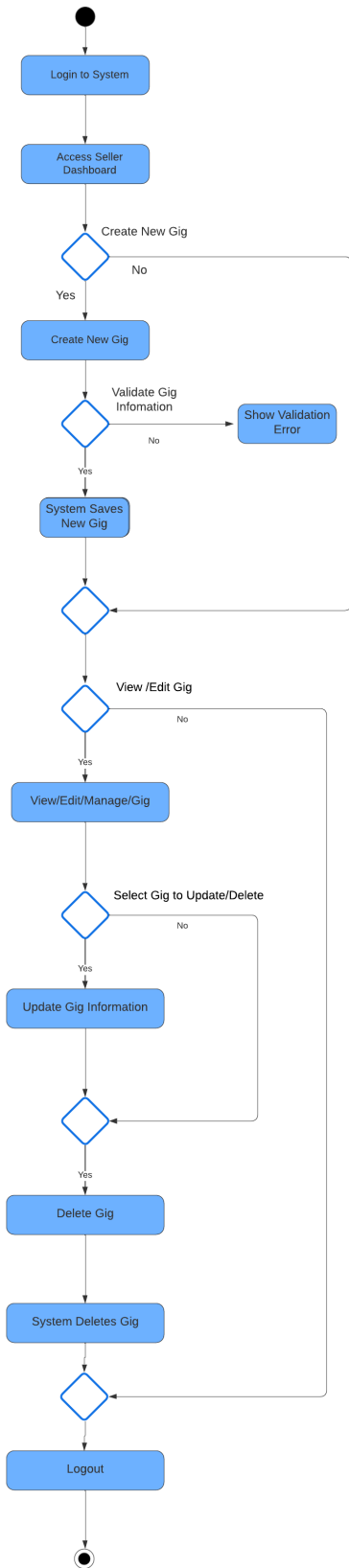
Activity Diagram - 3 (Logout)



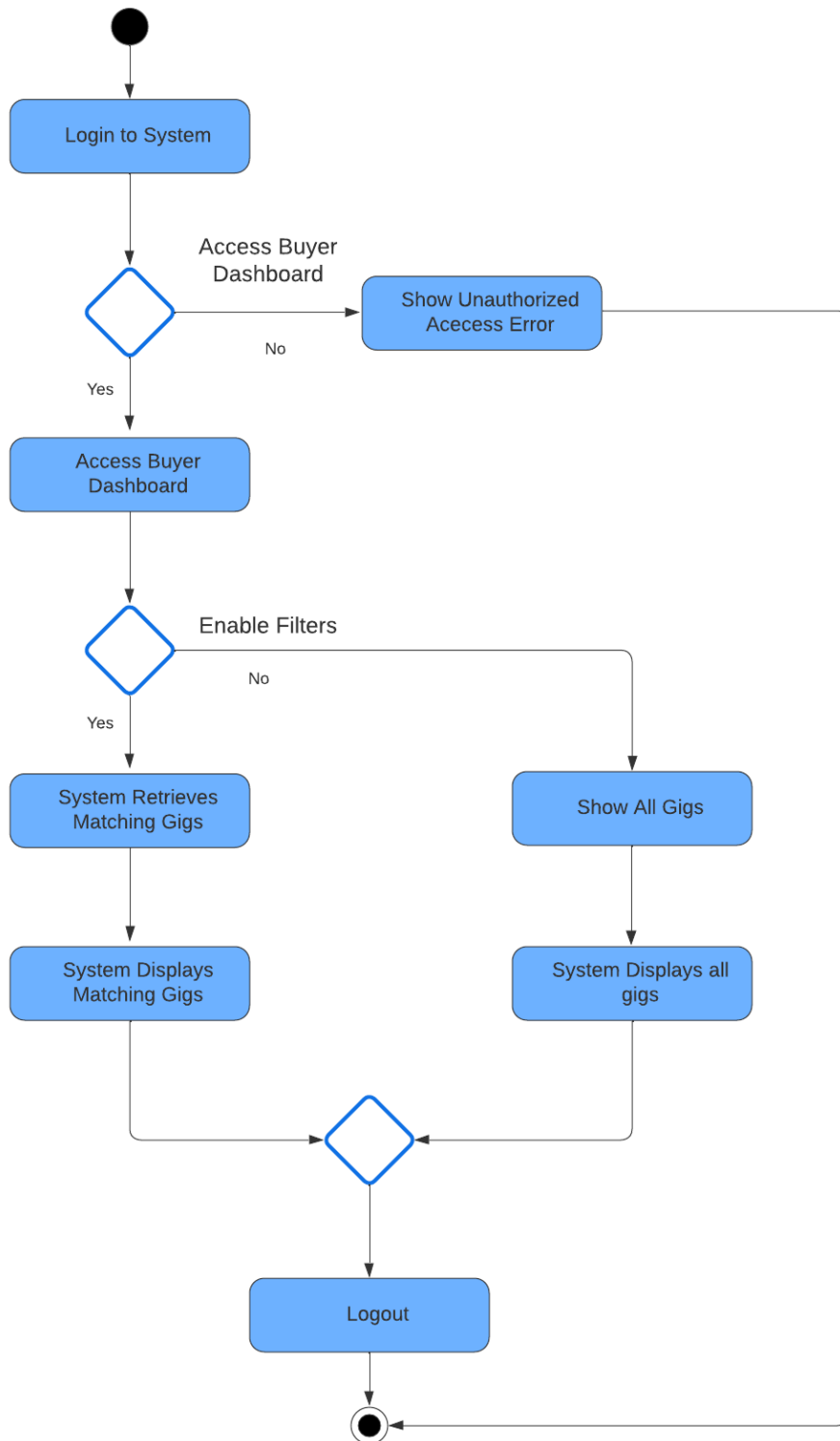
Activity Diagram - 4 (Seller Dashboard)



Activity Diagram - 5 (CRUD Gigs)

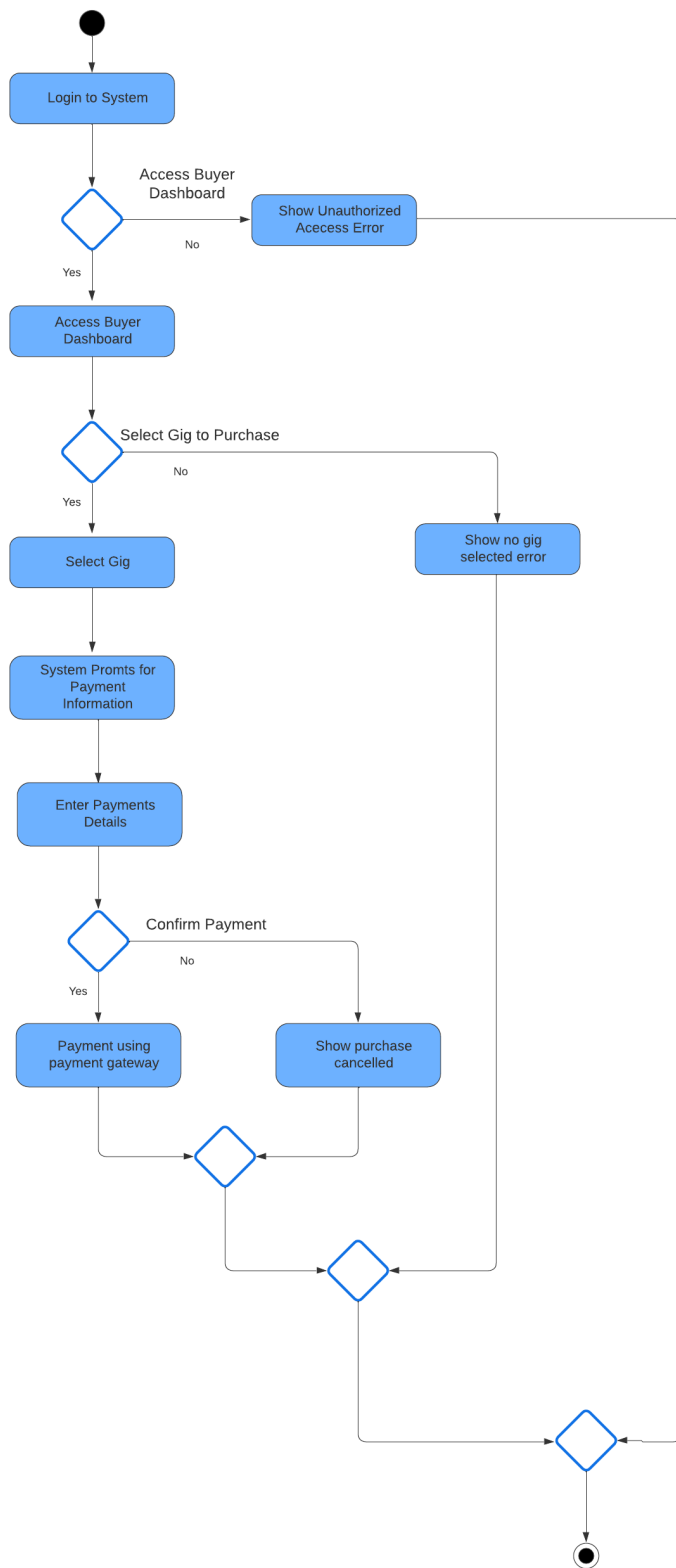


Activity Diagram - 6 (Search and Filter Gigs Use Case)

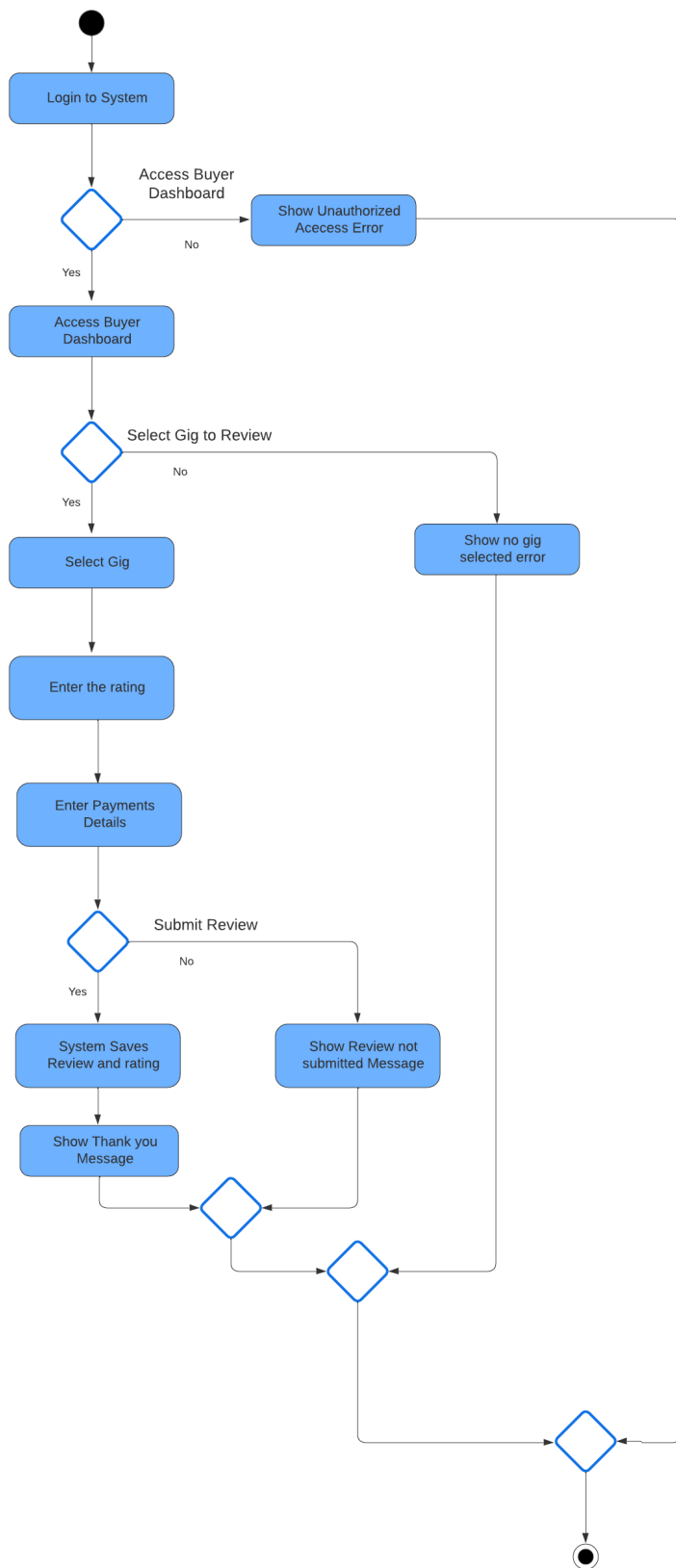


Activity Diagram - 7 (Purchase Gigs with Payment Gateway Use Case)

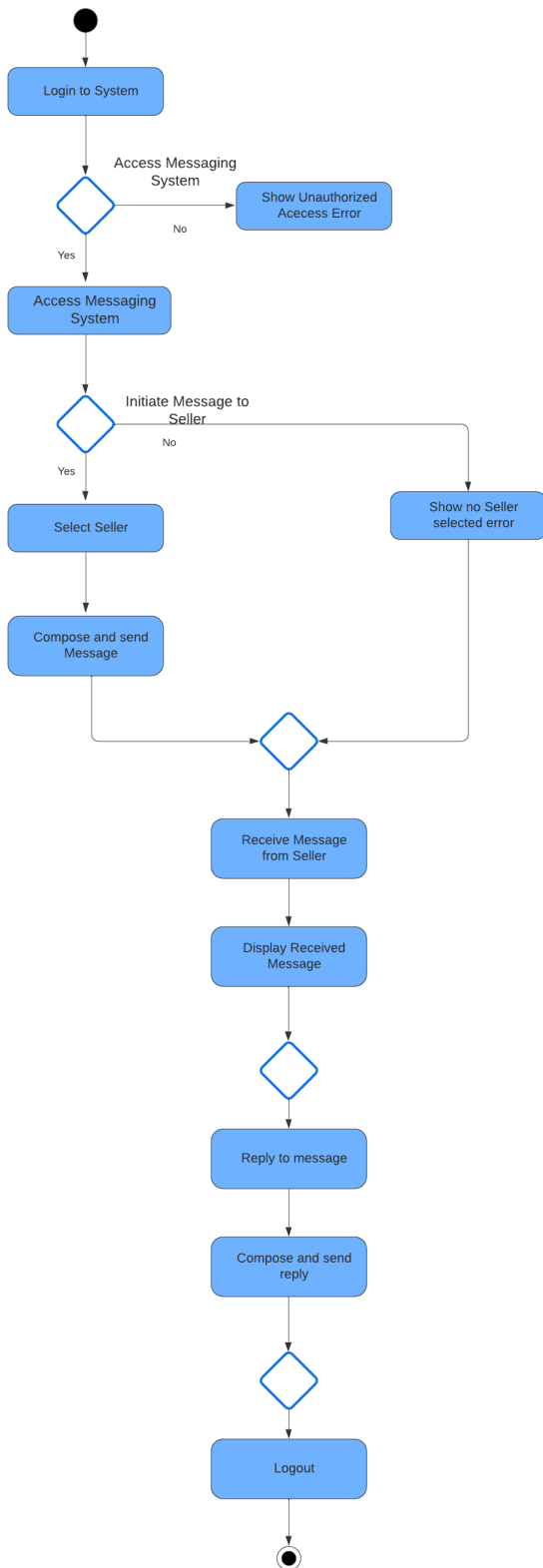




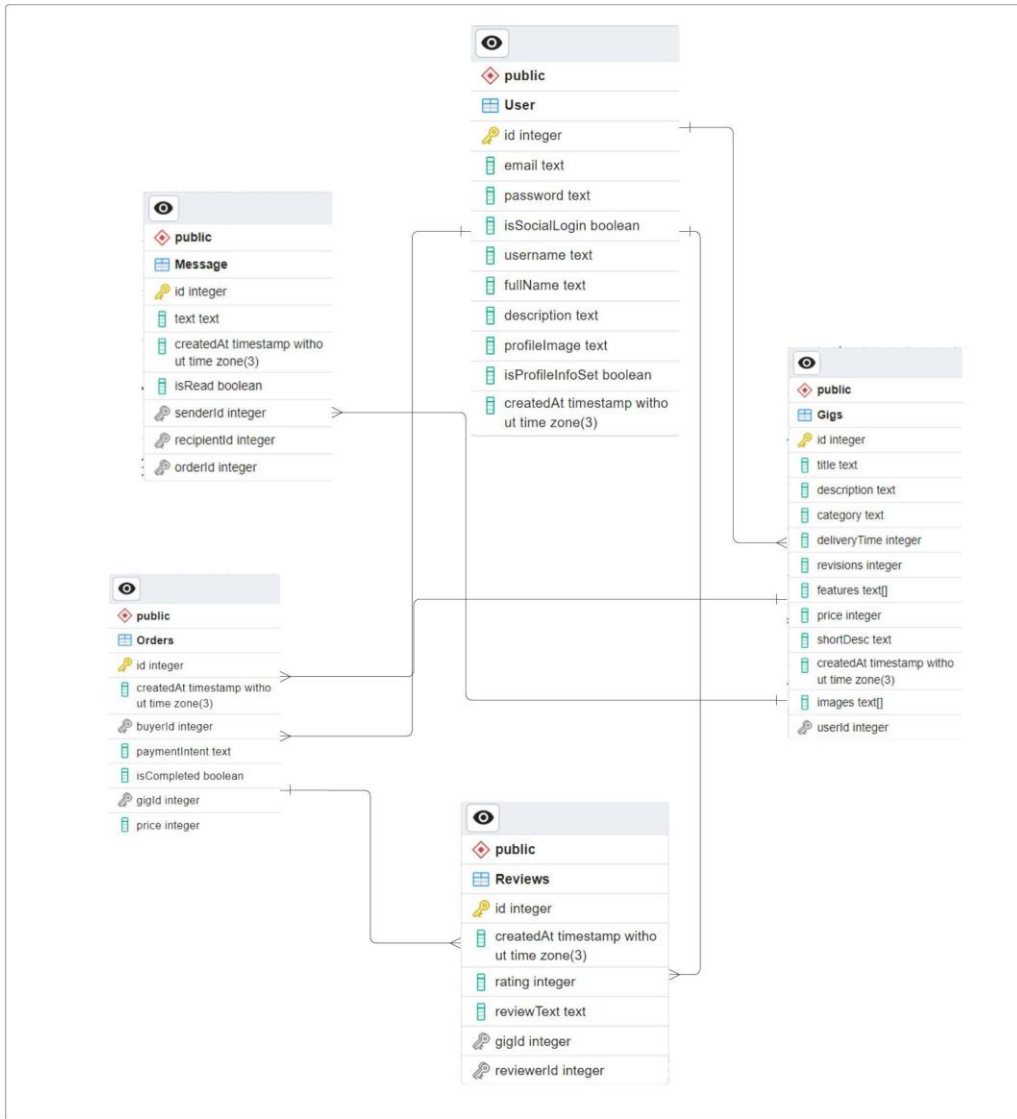
Activity Diagram - 8 (Add Reviews and Ratings Use Case)



Activity Diagram - 9 (Message between Seller and Buyer Use Case)

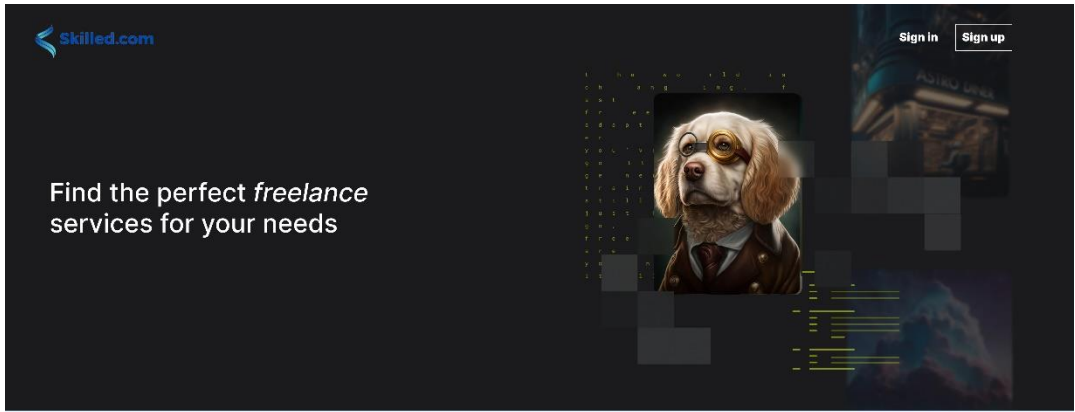


ER Diagram



## 2.7 Solution Design (Wireframes and Interfaces)

Homepage design and Navbars



### Why you should choose Skilled

- Stick to your budget**  
Find the right service for every price point. No hourly rates, just project-based pricing.
- Get quality work done quickly**  
Hand your project over to a talented freelancer in minutes, get long-lasting results.
- Browse portfolios**  
Find professionals you can trust by browsing their samples of previous work and reading their profile reviews.
- Communicate efficiently**  
Use our messaging system to discuss with the freelancer about the work.

### Browse with any category

- Graphic Design
- Digital Marketing
- Writing & Translation
- Video & Animation
- Music & Audio
- Programming & Tech
- Business
- Lifestyle
- Data
- Photography

Skilled.com **Quick Links** [About Us](#) [Help & Support](#) [Selling on Skilled](#) [Buying on Skilled](#) [Home](#) [YouTube](#) [LinkedIn](#) [Instagram](#) [Twitter](#)

Skilled.com  [Orders](#) [Switch to Freelancer](#)

Skilled.com  [Create Gig](#) [Dashboard](#) [Orders](#) [Switch to Buyer](#)

Implemented Homepage with navbars

Find the perfect *freelance* services for your needs



### Why you should choose Skilled

- **Stick to your budget**  
Find the right service for every price point. No hourly rates, just project-based pricing.
- **Get quality work done quickly**  
Hand your project over to a talented freelancer in minutes, get long-lasting results.

Find the perfect *freelance* services for your needs



### Why you should choose Skilled

- **Stick to your budget**  
Find the right service for every price point. No hourly rates, just project-based pricing.
- **Get quality work done quickly**  
Hand your project over to a talented freelancer in minutes, get long-lasting results.

Edit profile design

## Select a profile Picture



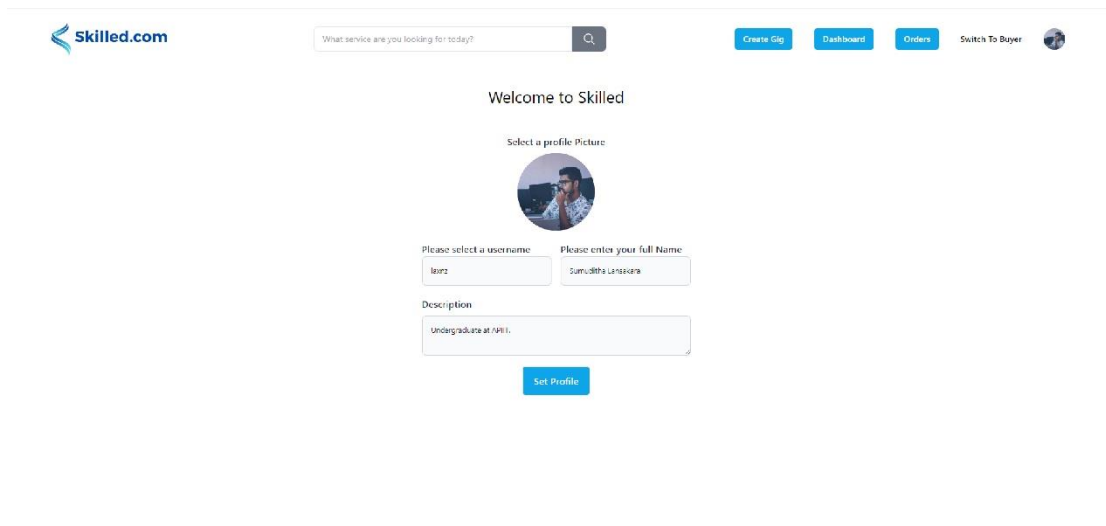
Please select a username

Please enter your full name

Description

[Set Profile](#)

## Implemented edit profile

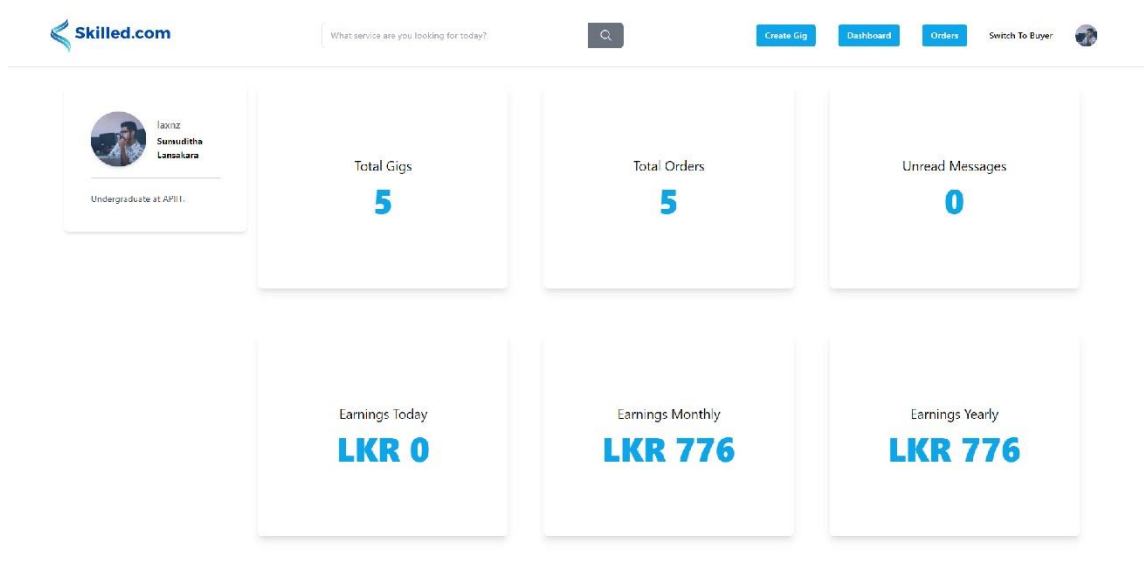


The screenshot shows the Skilled.com user dashboard. At the top left is the Skilled.com logo. A search bar contains the text "What service are you looking for today?". Navigation links for "Create Gig", "Dashboard", "Orders", and "Switch To Buyer" are visible. The user is greeted with "Welcome to Skilled". Below this, the "Select a profile Picture" section shows a circular profile picture of a man. The "Please select a username" field contains "laura" and the "Please enter your full Name" field contains "Sumrittha La-raekara". The "Description" field contains "Undergraduate at NMIT.". A "Set Profile" button is located at the bottom of the form.

## Freelancer dashboard design

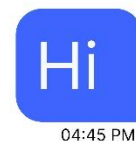


### Implemented freelancer dashboard



Message UI design

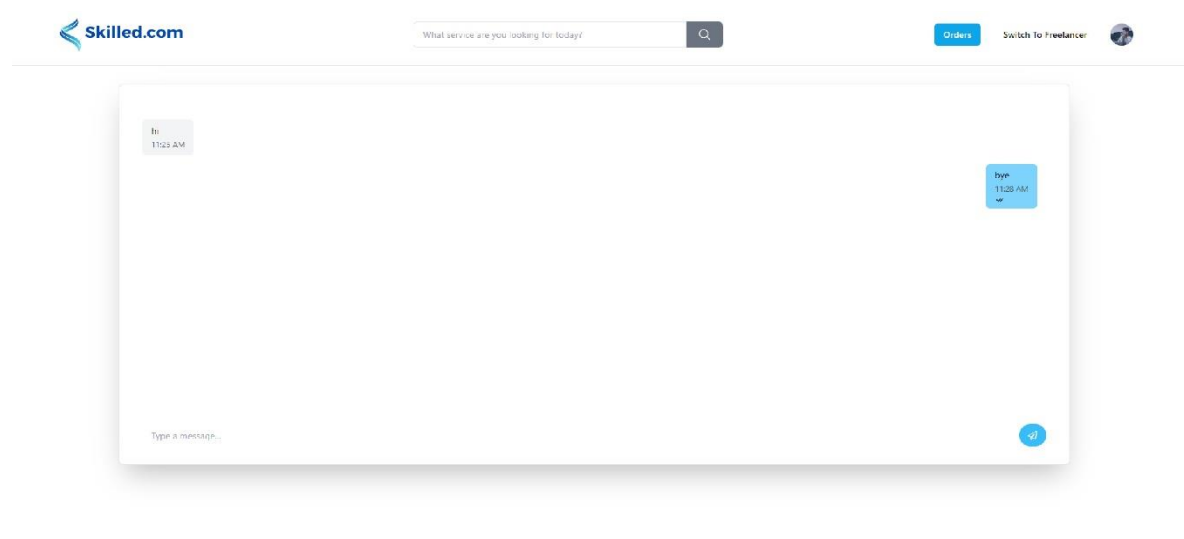




Type a message.....



## Implemented message UI




New / Edit gig design

# Create a new gig

Enter the details to create the gig

<b>Gig title</b> <input type="text"/>	<b>Select a category</b> <input type="text"/>
<b>Gig description</b> <input type="text"/>	
<b>Delivery time</b> <input type="text"/>	<b>Revisions</b> <input type="text"/>
<b>Features</b> <input type="text"/> <a href="#">Add</a>	<b>Add a image</b> <input type="text"/>
<b>Short Description</b> <input type="text"/>	<b>Gig price (LKR)</b> <input type="text"/>
<a href="#">Create</a>	

## Implemented new / edit gig

  [Create Gig](#) [Dashboard](#) [Orders](#) [Switch To Buyer](#)

### Create a new Gig

Enter the details to create the gig

<b>Gig Title</b> <input type="text" value="eg. I will do something I'm really good at"/>	<b>Select a Category</b> <input type="text" value="Graphic Design"/>
<b>Gig Description</b> <input type="text" value="Write a short description"/>	
<b>Delivery Time</b> <input type="text" value="0"/>	<b>Revisions</b> <input type="text" value="0"/>
<b>Features</b> <input type="text" value="Enter a Feature Name"/> <a href="#">Add</a>	<b>Gig Images</b> <input type="text" value="Select a photo"/>
<b>Short Description</b> <input type="text" value="Enter a short description"/>	<b>Gig Price (LKR)</b> <input type="text" value="0"/>
<a href="#">Create</a>	

All gigs design

## All your gigs

Name	Category	Price (LKR)	Delivery time		
Table Cell	Table Cell	Table Cell	Table Cell	Edit	Delete

## Implemented all gigs

The screenshot shows the Skilled.com dashboard. At the top left is the Skilled.com logo. To its right is a search bar with the placeholder text "What service are you looking for today?". Further right are three buttons: "Create Gig", "Dashboard", and "Orders". On the far right is a "Switch To Buyer" link and a profile icon. Below the navigation bar, the section "All your Gigs" is displayed. It contains a table with the following data:

NAME	CATEGORY	PRICE (LKR)	DELIVERY TIME		
social	Music & Audio	232	2	Edit	Delete
self	Music & Audio	11	1	Edit	Delete
Web designing	Programming & Tech	99	2	Edit	Delete
web updated	Graphic Design	33	2	Edit	Delete
.....	Video & Animation	2555	33	Edit	Delete

## All orders design

### All your orders

Order ID	Name	Category	Price (LKR)	Delivery Time (D)	Order Date	Send Message
01	I will design some	Programming & T	10000	2	2023-11-21	Send

## Implemented all orders

All your Orders

ORDER ID	NAME	CATEGORY	PRICE (USD)	DELIVERY TIME	ORDERED BY	ORDER DATE	SEND MESSAGE
34	sdad	Music & Audio	222	2	edrik jadis (okasdb)	2023-11-10	Send
35	sdad	Music & Audio	222	2	edrik jadis (okasdb)	2023-11-18	Send
21	sdad	Music & Audio	222	2	edrik jadis (okasdb)	2023-11-18	Send
39	sdl	Music & Audio	11	1	edrik jadis (okasdb)	2023-11-18	Send
43	Web designing	Programming & Tech	99	2	Diana Pereira (biserii)	2023-11-21	Send

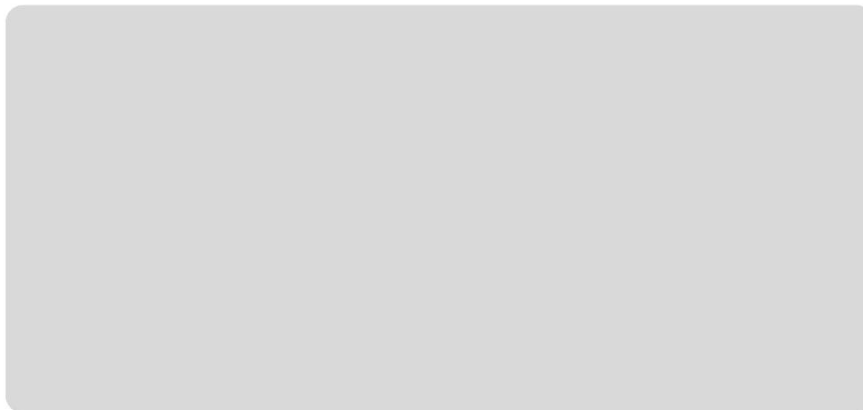
## Gig details design

### web design using wordpress



john99

★ 4.3 (7)

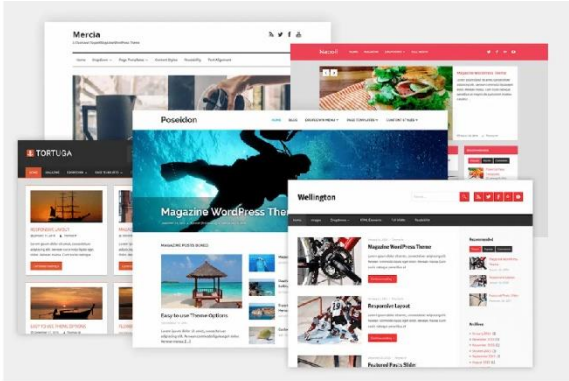


## Implemented gig details



I will design you a website using wordpress

Bisani Perera @bisani ★★★★★ (0)



Quick service, great communication.  
LKR 79  
🕒 1 Days Delivery 🔄 2 Revisions  
✔️ wordpress  
[Continue](#) →  
[Contact Me](#)

## Review system design

### About this gig

Developing wordpress sites for assignments.

### About the seller



john99  
Nothing  
★ 4.3 (7)

### Reviews

2 reviews for this Gig ★★★★★ 4.0

Add a review

[Add review](#)

## Implemented review system

## About this gig

Developing wordpress sites for assignments.

## About the Seller



**Biseni Perera** @bisenii  
Quality Assurance Engineer  
★★★★★ NaN (0)

## Reviews

0 reviews for this Gig ★★★★★ 0






## Add a Review




Add Review

## Payment gateway (Stripe)

### Card information

5395 5131 7970 9328		   	
06 / 26	948		

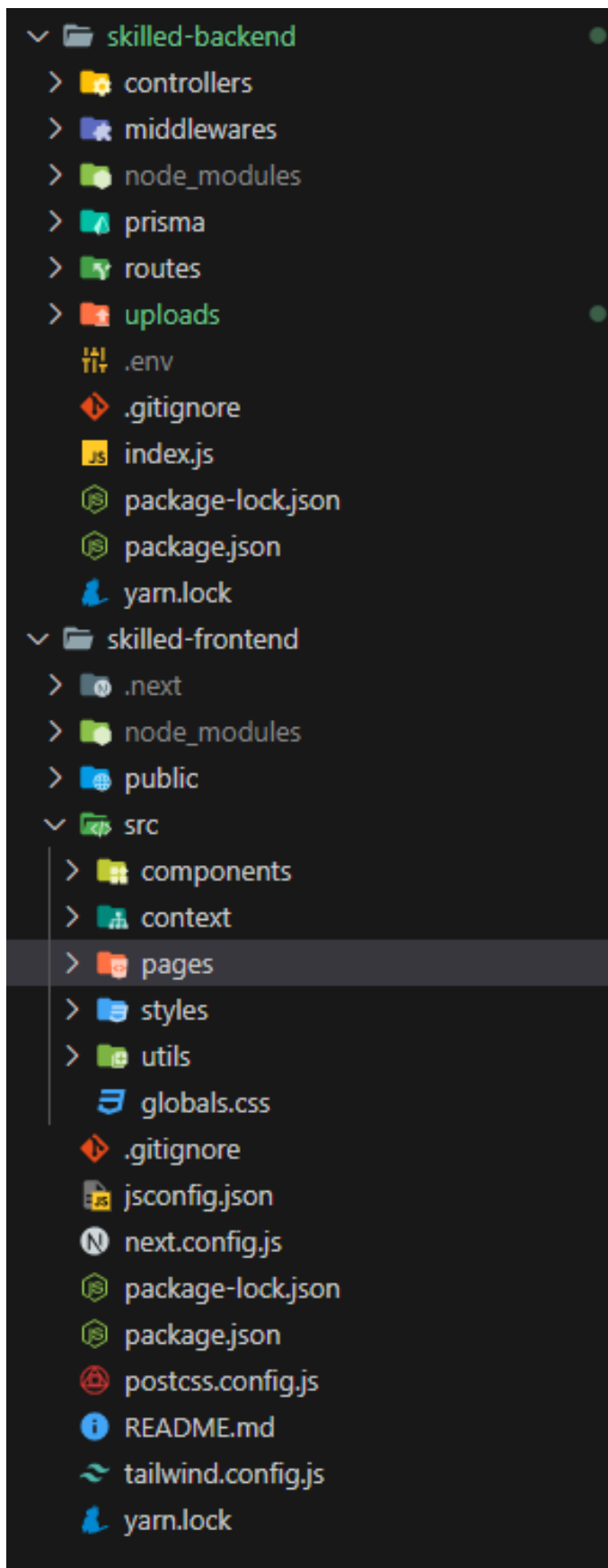
<input checked="" type="checkbox"/>	Save my info for secure 1-click checkout Pay faster on Italic and thousands of sites
	(555) 123-1234

 Encrypted

link

Pay \$251.45

## 2.8 Vs code Folder Structure





## 2.9 Test Cases

### 2.9.1 Functional Testing

#### Test Case Scenarios

##### **Login**

- Verify a user can successfully login into the system successfully with a correct email / username and valid password.
- Verify user cannot click on the “continue “button by keeping both the fields empty.
- Verify that the user cannot sign in to the system without entering the correct email format. E.g.: @ symbol, capital letter in the email or “.com “
- Verify that the user cannot login to the system without meeting the given requirements for the password.
- Verify a proper error message is shown when the password username is wrong.

##### **Logout**

- Verify that when the user clicks on logout option, the user should be able to successfully log out from the system and it should redirect to the login page.

##### **Sign-up**

- Verify a user cannot sign up with an existing username/ email that has already created an account and should show a message that has already been taken.
- Verify user cannot click the “continue” button with empty fields.

#### **CRUD operations of gigs**

##### **Create gigs –**

- Verify that the user provides all the required details and submit the gig creation form and after submitting the form the user should get a confirmation message that gig has been created successfully and gig details should be accurately display on the platform
- Verify that the user cannot create a gig when the mandatory fields of the form are incomplete or blank and the website should prompt an error message highlighting incomplete or missing field.
- Verify that the user cannot create gigs with a title that is already in use on the platform, it should prevent creating duplicate gig titles by providing a clear error message that each gig title should be unique.
- Verify that the user can upload images or samples to showcase the work and the platform should support various image formats.
- Verify that the user set the delivery time for gig during the gig creation it should be displayed on the gig details page.

- Verify that the user can create a gig using different web browsers and the process should work consistently across various browsers without functionality or display issues.
- Verify that the user should see a preview about the gig details and ensure they are accurate before publishing the gig.
- Verify that the user cannot exceed the character limit for gig title, description or other fields it should prevent the user from exceeding the character limit and provide a clear error message indicating the maximum allowed characters.

### **Delete gigs –**

- Verify that when user deletes the gig with the intention of the user it should be delete successfully and should receive a confirmation message that gig has been deleted. The gig should no longer appear in the main gig listing or in search results.
- Verify that the user initiates the deletion of a gig but decides to cancel before confirming the deletion. The system should cancel the deletion process and the gig should remain active on the platform.
- Verify that the user should be able to view a list of gigs that the user has deleted and for each gig there should be an option to either permanently remove or restore it. Restoring the gig should make it active again the platform.
- Verify that user attempts to delete a gig that has already been deleted it should prevent the deletion and display a message indicating that the gig is already deleted.

### **Update gigs –**

- Verify that when the user updates the details of a gig and save the changes, the changes should be saved successfully, and the gig should be updated on the platform.
- Verify that when user updates the gigs by adding new images or samples that should be successfully uploaded and the employers should view the updated visual when viewing the gig.
- Verify that when the user adjusts the pricing structure or packages during a gig update and the changes should be successfully applied and the employers should see the updated pricing and packages when viewing the gig details.
- Verify that when user change the delivery time for a gig during the update it should be accurately displayed on the gig details page.

### **View gigs –**

- Verify that when the user should be able to explore gigs by category that should be able to filter gigs based on different categories relevant to the skills and interests.

- Verify that when the user uses the search functionality to find a specific gig should return relevant results based on the search query displaying gigs that match the specified keywords or filters.
- Verify that when the user wants to save a gig for the future reference and the system should allow to save and that should be added to the saved list.

### **Profile creation with a profile picture -**

- Verify that when user registers to the website after providing all required information and a profile picture that should be able to successfully create a profile and should display a confirmation message.
- Verify that after user creates a profile then the user should be able to upload a profile picture and it should be successfully processed and displayed on the profile.
- Verify that that user should prompt me to complete all the mandatory fields before allowing the profile creation. An error message should be displayed if any required field is left blank.
- Verify that after creating a profile it should be visible to other users on the platform enhancing the visual representation of the profile.

### **Search and Filter gigs –**

- Verify that when the user performs a basic text search for gigs using relevant keywords, and search results should include gigs that match the specified keywords in the page.
- Verify that when the user performs a search that yields no results, the system should provide a clear message indicating that no gigs match the specified criteria, encouraging the user to adjust their search parameters.

### **Add reviews and ratings**

- Verify that when a user submit review and rating, the system should be successfully process the feedback and the review and rating should be visible on the recipient's profile.
- Verify that when a user submitting a rating, the rating scale should be appropriate and clearly defined and the system should not allow submission of ratings outside the specified range.

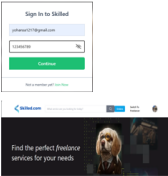
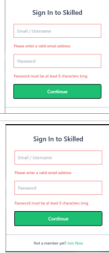
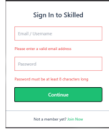
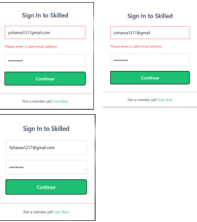

### **Message between seller and buyer**

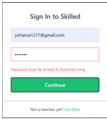
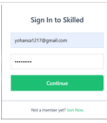
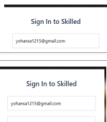

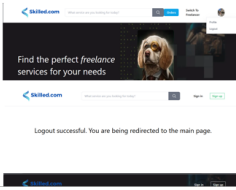
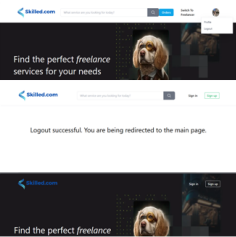

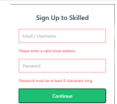

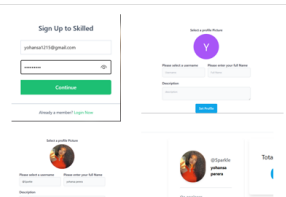
- Verify that a buyer and a seller, compose and send a message to the other party, the message should be successfully delivered and both parties should see the communication in their respective message inboxes.
- Verify that the user should be able to see the timestamps for each message and allowing users to track the timeline of the conversation.
- Verify that when the user replies to a message the reply should be added to the conversation and both parties should see the updated discussion.
- Verify that a user in a conversation should indicate whether a message has been read by recipient.

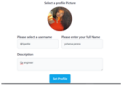
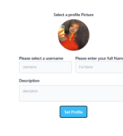


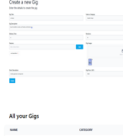
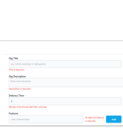
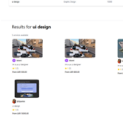


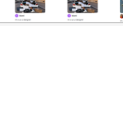
## Seller dashboard








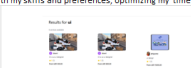

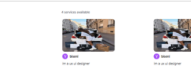

- Verify that a user who is registered to system the user should be able to access the seller dashboard after logging in. the dashboard should be the central hub for managing gigs, orders and other seller-related activities.
- Verify that a registered user to the system should provide an overview of key metrics such as daily, monthly, yearly earnings, total gigs, received messages.

## 2.9.2 Freelancer test cases

A	B	C	D	E	F	G	H	I
Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Results	Status	Priority	Severity
1	As a registered freelancer, I want to login in securely to the platform using my credentials so that I can access my personalized dashboard, view my profile and manage my freelance activities.							
2	FS11 Testing the login functionality when a registered user enters valid data into the system, the user's valid email and password	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Enter the username / email. 4.Enter the password. 5.Click on "continue" button. 6. Re-directs to the home page.	URL - Email - yohansa1217@gmail.com Password - 123456789	2. User should get a dialog box where user can enter the username / email address and password. 5. After continuing user should be able to redirect to the home page / the landing page of the website.		completed	medium	medium
3	FS12 Testing the login functionality when a registered user attempts to login without providing the user's valid email and password , keeping both data fields empty.	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Not entering the username / email. 4.Not entering the password. 5.Click on "continue" button.	URL - Null Email - Null Password - Null	2. User should get a dialog box where user can enter the username / email address and password. 5. After continuing user should not be able to redirect to the home page / the landing page of the website and the system should state the user that the fields are empty and		completed	medium	medium
3	FS12 Testing the login functionality when a registered user attempts to login without providing the user's valid email and password , keeping both data fields empty.	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Not entering the username / email. 4.Not entering the password. 5.Click on "continue" button.	URL - Null Email - Null Password - Null	2. User should get a dialog box where user can enter the username / email address and password. 5. After continuing user should not be able to redirect to the home page / the landing page of the website and the system should state the user that the fields are empty and		completed	medium	medium
4	FS13 Testing the login functionality when a registered user attempts to login without entering the correct email format. E.g.: without @ symbol or ".com" and a capital letter in the beginning of the email.	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Not entering the valid email (wrong email format). 4. Enters the valid password. 5. Click on "continue" button.	1. Email - yohansa1217gmail.com Password - 123456789 2. Email - yohansa1217@gmail Password - 123456789 3. Email - Yohansa1217@gmail.com Password - 123456789	2. User should get a dialog box where user can enter the username / email address and password. 5. After continuing user should not be able to redirect instead the system should state the user that the email format is invalid and to provide a valid email address		completed	medium	medium
4	FS14 Testing the login functionality when a registered user attempts to login without meeting the given requirements for the password. The password should be at least 8 characters long to login to the system.	1.Navigate to the Skilled page. 2. Click on "Sign in" button. 3. Enters a valid e-mail. 4. Enters a password that is not in a required format - ( password is too short) 5. Click on "continue" button.	URL - Email - yohansa1217@gmail.com Password - 1234567	2. User should get a dialog box where user can enter the username / email address and password. 5. User should not be able to re- direct to the home page instead system should state the user that password is not meeting		completed	medium	medium

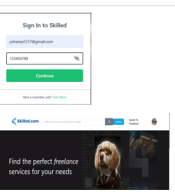

FS14	Testing the login functionality when a registered user attempts to login without meeting the given requirements for the password. The password should be at least 8 characters long to login to the system.	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Enters a valid e-mail. 4.Enters a password that is not in a required format - ( password is too short) 5.Click on "continue" button.	URL - Email - yohansa1217@gmail.com Password - 1234567	2. User should get a dialog box where user can enter the username / email address and password. 3. User should not be able to re-directs to the home page instead system should state the user that password is not meeting the given requirements such as the password		completed	medium	medium	
FS15	Testing the login functionality when a registered user attempts to login with a wrong password that the user didn't set out for their account when signing up for the system.	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Enters a valid e-mail. 4.Enters a wrong password 5.Click on "continue" button.	URL - Email - yohansa1217@gmail.com Password - 987654321	2. User should get a dialog box where user can enter the username / email address and password. 3. User should not be able to re-directs to the home page instead the system should state the user that password is wrong.		completed	medium	medium	
FS16	Testing the login functionality when a registered user attempts to login with an invalid e-mail and a wrong password.	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Enters an invalid e-mail. 4.Enters a wrong password 5.Click on "continue" button.	URL - Email - yohansa1215@gmail.com Password - 987654321	2. User should get a dialog box where user can enter the username / email address and password. 3. User should not be able to re-directs to the home page instead the system should state the user that the user cannot sign in as the email and password		completed	medium	medium	
FS16	Testing the login functionality when a registered user attempts to login with an invalid e-mail and a wrong password.	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Enters an invalid e-mail. 4.Enters a wrong password 5.Click on "continue" button.	URL - Email - yohansa1215@gmail.com Password - 987654321	2. User should get a dialog box where user can enter the username / email address and password. 3. User should not be able to re-directs to the home page instead the system should state the user that the user cannot sign in as the email and password		completed	medium	medium	
- As a freelancer, I want to logout from the website securely, so that I can protect my account and ensure that no one else can access my freelance information.									
FLO1	Testing the logout functionality when a registered user attempts to logout	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Enters a valid e-mail. 4.Enters a correct password 5.Click on "continue" button. 6.Re-directs to the home page. 7.Click on log out button.	URL - Email - yohansa1217@gmail.com Password - 123456789	2. User should get a dialog box where user can enter the username / email address and password. 3. User should be able to re-directs to the home page. 7. After user re-directs to the home page on the top of the website under the profile user should be able to click on log out and log out from the website and then the system should display that the user has been logged out.		completed	medium	medium	
FLO1	Testing the logout functionality when a registered user attempts to logout	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Enters a valid e-mail. 4.Enters a correct password 5.Click on "continue" button. 6.Re-directs to the home page. 7.Click on log out button.	URL - Email - yohansa1217@gmail.com Password - 123456789	2. User should get a dialog box where user can enter the username / email address and password. 3. User should be able to re-directs to the home page. 7. After user re-directs to the home page on the top of the website under the profile user should be able to click on log out and log out from the website and then the system should display that the user has been logged out successfully and re-directs to the landing page.		completed	medium	medium	
- As a new freelancer, I want to register on the website, so that I can create a comprehensive profile, highlight my skills, and embark on my freelance journey by connecting with potential clients.									
- As a new freelancer, I want to register on the website, so that I can create a comprehensive profile, highlight my skills, and embark on my freelance journey by connecting with potential clients.									
FSU1	Testing the sign up functionality when a user enters valid data into the pattern, the user's valid email and password	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Enters a valid e-mail. 4.Enters a correct password 5.Click on "continue" button. 6.Re-directs to the profile page.	URL - Email - ashwin@gmail.com Password - 12345678	2. User should get a dialog box where user can enter the username / email address and password. 3. After continuing user should be able to redirect to the profile page of the website.		completed	medium	medium	
FSU2	Testing the sign up functionality when a registered user attempts to login without providing the user's valid email and password, keeping both data fields empty.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3. Not entering an email. 4. Not entering a password. 5.Click on "continue" button.	URL - Email - Null Password - Null	2. User should get a dialog box where user can enter the username / email address and password. 3. After continuing user should not be able to redirect to the home page / the landing page of the		completed	medium	medium	
FSU3	Testing the sign up functionality when a registered user attempts to sign up, by entering an existing email that has an already created account.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Enters an existing email. 4.Enters a password. 5.Click on "continue" button.	URL - Email - yohansa1217@gmail.com Password - 123456789	2. User should get a dialog box where user can enter the username / email address and password. 3. After entering the email and continues user should not be able to redirect to the profile page of the website and the system should state		completed	medium	medium	
As a freelancer, I want to create a detailed profile on the platform, including adding a profile picture, so that I can present a professional and appealing image to potential clients, increasing my chances of securing freelance opportunities.									
FCP1	Testing the create profile page by registering as a new user and user should be able to create the profile by entering their username, full name, a description about them and to add a profile picture.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Enters an email. 4.Enters a password. 5.Click on "continue" button. 6.Re-directs to the profile page. 7.Fills in all the required fields and uploads a picture. 8.Click on the "set profile". 9.Creates a profile.	URL - Email - yohansa1215@gmail.com Password - 123456789 Full name - Yohansa perera Description - QA engineer	2. User should get a dialog box where user can enter the username / email address and password. 3. User should be able to re-directs to the profile page. 7. After user re-directs to the profile page the user should fill all the required fields. 8. A profile is created.		completed	medium	medium	

FCP2	Testing the create profile page by uploading an image for the profile picture and it should successfully displayed on the profile and in the dashboard.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3. Enters an email. 4. Enters a password. 5. Click on "continue" button. 6. Re-directs to the profile page. 7. Fills the all the required fields and uploads a picture. 8. Click on the "set profile". 9. Creates a profile. 10. Can be viewed in dashboard successfully.	URL- Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Description - QA engineer	2. User should get a dialog box where user can enter the username / email address and password. 3. User should be able to re- directs to the profile page. 7. After user re-directs to the profile page the user should be able to upload a picture. 8. A profile is created.		complet ed	medium	medium	
FCP3	Testing the create profile page by completing all the mandatory fields before allowing the profile creation. An error message should be displayed if any required field is left blank.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3. Enters an email. 4. Enters a password. 5. Click on "continue" button. 6. Re-directs to the profile page. 7. Not filling the fields. 8. Click on the "set profile". 9. Should not be created.	URL- Email - yohansa1215@gmail.com Password - 123456789 username - null Full name - null Description - null	2. User should get a dialog box where user can enter the username / email address and password. 5. User should be able to re- directs to the profile page. 7. Not entering any data to the fields and allowing the profile creation should not happen as the fields are empty and it should		complet ed	medium	medium	
FCP4	Testing the profile creation by creating a profile and viewed as another user to test whether the profile will be visible to other users on the platform enhancing the visual representation of the profile.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3. Enters an email. 4. Enters a password. 5. Click on "continue" button. 6. Re-directs to the profile page. 7. Creates a profile. 8. Click on the "set profile". 9. Switch to buyer. 10. search for a gig. 11. Under that category all the profiles should be visible. 12. Click on to a gig and view the "About this seller".	URL- Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Description - QA engineer Gig - UI/UX designing	10. Under the search category users should be able to see all the profiles under that category gig. 12. User can click on to a profile and view about the seller information.		complet ed	medium	medium	
As a freelancer, I want to create new gigs on the website, so that I can showcase my unique skills and services, making it easy for clients to understand what I offer and potentially hire me for their projects.									
FCG1	Testing the gig creation by providing all the required details and submit the gig creation form and after submitting the form the user should get a confirmation message that gig has been created successfully and gig details should be accurately display on the platform	1.Navigate to the Skilled page. 2. Sign in or Sign up for the website. 3. Creates a profile if the user doesn't have an account. 4. Click on "create gig". 5. Fill all the required fields. 6. Click on "create" 7. All your gigs - newly created gig	URL- Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Gig Title - ui design Gig Description - I have the ability to create user friendly and attractive UI's	6. After filling all the required fields the user should be able to click on the create button and creates a gig. 7. User can view the created gigs and details of the gig.		complet ed	medium	medium	
As a freelancer, I want to create new gigs on the website, so that I can showcase my unique skills and services, making it easy for clients to understand what I offer and potentially hire me for their projects.									
FCG1	Testing the gig creation by providing all the required details and submit the gig creation form and after submitting the form the user should get a confirmation message that gig has been created successfully and gig details should be accurately display on the platform	1.Navigate to the Skilled page. 2. Sign in or Sign up for the website. 3. Creates a profile if the user doesn't have an account. 4. Click on "create gig". 5. Fill all the required fields. 6. Click on "create" 7. All your gigs - newly created gig	URL- Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Gig Title - ui design Gig Description - I have the ability to create user friendly and attractive UI's Delivery Time - 10 Revisions - 10 Features - crud operations Short Description - mobile application development Gig Price (LKR) - 15000	6. After filling all the required fields the user should be able to click on the create button and creates a gig. 7. User can view the created gigs and details of the gig.		complet ed	medium	medium	
FCG2	Testing the gig creation by keeping the mandatory fields of the form are incomplete or blank and the website should prompt an error message highlighting incomplete or missing field.	1.Navigate to the Skilled page. 2. Sign in or Sign up for the website. 3. Creates a profile if the user doesn't have an account. 4. Click on "create gig". 5. Empty all the required fields.	All the fields are null	6. When user tries to create a gigs user should not be able to create a gig instead it should prompt the user that fields are empty.		complet ed	medium	medium	
FCG3	Testing the gig creation that a title that is already in use on the platform, so the same type of gigs will be in a one search category	1.Navigate to the Skilled page. 2. Sign in or Sign up for the website. 3. Creates a profile if the user doesn't have an account. 4. Click on "create gig". 5. Fill all the required fields. 6. Click on "create" 7. Search for the keyword in the searchbar.	URL- Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Gig Title - ui design	7. Under the searching category all the gigs should be displayed for the other users who are searching for the relevant service		complet ed	medium	medium	
FCG4	Testing the gig creation that the user set the delivery time for gig during the gig creation it should be displayed on the gig details page.	1.Navigate to the Skilled page. 2. Sign in or Sign up for the website. 3. Creates a profile if the user doesn't have an account. 4. Click on "create gig". 5. Fill all the required fields. 6. Click on "create" 7. Click on "dashboard" 8. Click on "total gigs"	URL- Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Gig Title - ui design	9. After creating the gigs user should be able to view the delivery time of the gig		complet ed	medium	medium	
FCG4	Testing the gig creation that the user set the delivery time for gig during the gig creation it should be displayed on the gig details page.	1.Navigate to the Skilled page. 2. Sign in or Sign up for the website. 3. Creates a profile if the user doesn't have an account. 4. Click on "create gig". 5. Fill all the required fields. 6. Click on "create" 7. Click on "dashboard" 8. Click on "total gigs" 9. Should view the delivery time	URL- Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Gig Title - ui design	9. After creating the gigs user should be able to view the delivery time of the gig		complet ed	medium	medium	
FCG7	Testing the gig creation should see a preview about the gig details and ensure they are accurate before publishing the gig.	1.Navigate to the Skilled page. 2. Sign in or Sign up for the website. 3. Creates a profile if the user doesn't have an account. 4. Click on "create gig". 5. Fill all the required fields. 6. Click on "create"	URL- Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Gig Title - ui design	6. Before publishing the gig on the profile user should be able to preview the gig	none	complet ed	medium	medium	
As a freelancer, I want to explore and view available gigs on the website, so that I can identify relevant opportunities, stay informed about potential projects, and tailor my services to match market demand.									
FRG2	Testing the gig view that when the user use the search functionality to find a	1. Search for a specific keyword	Searched for - UI Design	1. user should be able to see the results relevant to that searched keyword.		complet ed	medium	medium	

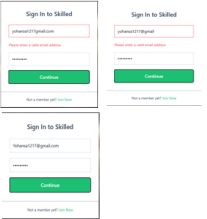

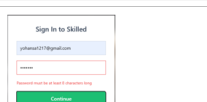

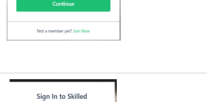
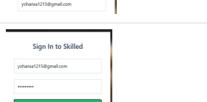
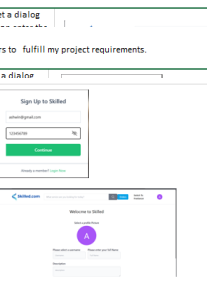
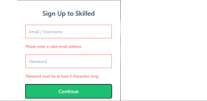



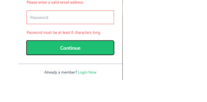
As a freelancer, I want to explore and view available gigs on the website, so that I can identify relevant opportunities, stay informed about potential projects, and tailor my services to match market demand.						
FRQ2	Testing the gig view that when the user uses the search functionality to find a specific gig should return relevant results based on the search query displaying gigs that match the specified keywords or filters.	1. Search for a specific keyword	Searched for - UI Design	1. user should be able to see the results relevant to that searched keyword.		completed medium medium
FRG3	Testing the gig view that the user wants to save a gig for the future reference and the system should allow to save and that should be added to the saved list.	1. Search for a specific gig 2. Save it for future reference	Search for a specific gig	1. user should be able to save it for a future reference and that can be added to the favourites	none	hold medium medium
As a freelancer, I want to update my existing gigs on the freelancer website, so that I can adapt to changes in my services, keep clients informed, and ensure my gig information remains accurate and attractive.						
FUG1	Testing the gig updation when the user updates the details of a gig and save the changes, the changes should be saved successfully and the gig should be updated on the platform.	1. view the all your gigs 2. click on the "edit" option 3. after editing the fields that the user wants click on the "edit" button.	URL - Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Gig Title - ui design Select a Category - updated - music and audio	2. After viewing all the details of the gig user can have the ability to edit. 3. After editing the gig it displays on the gig page.		completed medium medium
FUG1	Testing the gig updation when the user updates the details of a gig and save the changes, the changes should be saved successfully and the gig should be updated on the platform.	1. view the all your gigs 2. click on the "edit" option 3. after editing the fields that the user wants click on the "edit" button.	URL - Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Gig Title - ui design Select a Category - updated - music and audio	2. After viewing all the details of the gig user can have the ability to edit. 3. After editing the gig it displays on the gig page.		completed medium medium
As a freelancer, I want to delete outdated or irrelevant gigs on the website, so that I can maintain a current and precise representation of my skills and services, providing potential clients with accurate information.						
FDG1	Testing the gig deletion that when user deletes the gig with the intention of the user it should be delete successfully and should not appear in the main gig listing or in search.	1. in All your gigs - click on "delete" option	URL - Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera	1. It permanently deletes from the gig list and it should not show on the gig list		completed medium medium
FDG1	Testing the gig deletion that when user deletes the gig with the intention of the user it should be delete successfully and should receive a confirmation message that gig has been deleted. The gig should no longer appear in the main gig listing or in search.	1. in All your gigs - click on "delete" option	URL - Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Gig Title - ui design Select a Category - updated - music and audio	1. It permanently deletes from the gig list and it should not show on the gig list		completed medium medium
FDG2	Testing the gig deletion that the user initiate the deletion of a gig but decides to cancel before confirming the deletion. The system should cancel the deletion process and the gig should remain active on the platform.	1. clicks on "delete" button 2. in the pop up choose "cancel"	none	2. After canceling it should not delete from the gig list		completed medium medium
FDG3	Testing the gig deletion by before deleting a gig it should ask whether to delete or not.	1. in All your gigs - click on "delete" option	none	none		completed medium medium
FDG4	Testing the gig deletion by attempts to delete a gig that has already been deleted it	none	none	none	none	hold low low
FDG4	Testing the gig deletion by attempts to delete a gig that has already been deleted it should prevent the deletion and display a message indicating that the gig is already deleted.	none	none	none	none	hold low low
As a freelancer, I want to efficiently search and filter specific gigs on the website, so that I can quickly find opportunities that align with my skills and preferences, optimizing my time and increasing the likelihood of successful matches.						
FSG1	Testing the searching when the user perform a basic text search for gigs using relevant keywords, and search results should include gigs that match the specified keywords in the page.	1. Search for a specific keyword	Search word - ui	1. Search results should show the relevant data according to the search category		
FSG2	Testing the search by when the user performs a search that yields no results, the system should provide a clear message indicating that no gigs match the specified criteria, encouraging the user to	1. Search for a specific keyword which is not there in the website	Search word - web	1. Results should show that the data is "0"		
As a freelancer, I want to receive reviews and ratings from other freelancers and employers on the website, so that I can build a positive reputation, establish credibility with potential clients, and increase my chances of being hired.						
FRR1	Testing the reviews and ratings that when a user submit review and rating, the system should be successfully process the feedback and the review and rating should be visible on the recipient's profile.	Search for a gig and see the rating of the gig owners profile	user should be to view the data			completed low low
FRR2	Testing the reviews and ratings that when a user submitting a rating, the rating scale should be appropriate and clearly defined and the system should not allow submission of ratings outside the specified range.	Search for a gig and see the rating of the gig owners profile	user should be to view the data			completed low low

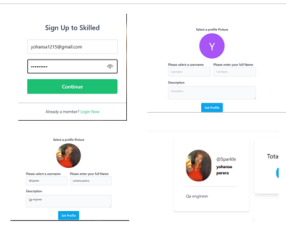
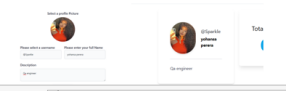

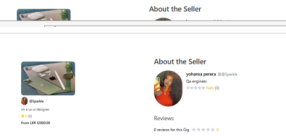
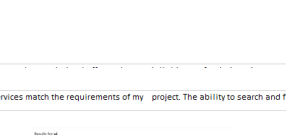

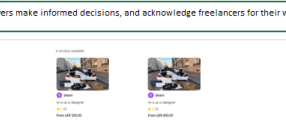
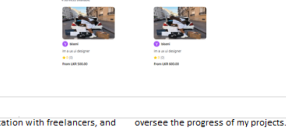
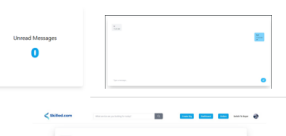
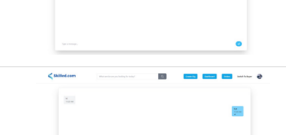


Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Results	Completion	Priority	Severity
As a freelancer, I want to communicate with employers on the website so that I can discuss project details, address inquiries, and foster a collaborative working relationship with clients.								
CB51	Testing chat messages by compose and send a message to the other party, the message should be successfully delivered and both parties should see the communication in their respective message inboxes.	1. Click on dashboard 2. click on unread messages				completed	low	low
CB52	Testing chat messages for the user to be able to see the timestamps for each message and allowing users to track the timeline of the conversation.	1. Click on dashboard 2. click on unread messages		user's should be able to see each other time sent messages		completed	low	low
CB53	testing the chat messages when the user replies to a message the reply should be added to the conversation and both parties should see	1. Click on dashboard 2. click on unread messages		users should be able to see each other's messages		completed	low	low
As a freelancer, I want to utilize the seller dashboard on the website, so that I can efficiently manage my gigs, track earnings, and assess the overall performance of my freelance business in one centralized location.								
FB81	Testing the seller dashboard that a user who is registered to system the user should be able to access the seller dashboard after logging in, the dashboard should be the central hub for managing gigs, orders and other seller.	1. Click on the "dashboard" 2. user will be able to view the dashboard of the seller	URL - Email - yohansa1215@gmail.com Password - 123456789 username - null Full name - null Description - null	user should be able to see the dashboard		completed	low	low
FB82	Testing the seller dashboard registered user to the system should provide an overview of key metrics such as daily, monthly, yearly earnings, total gigs, received messages.	1. Click on the "dashboard" 2. user will be able to view the dashboard of the seller	URL - Email - yohansa1215@gmail.com Password - 123456789 username - null Full name - null Description - null	user should be able to see the dashboard		completed	low	low
As a freelancer, I want to purchase gigs from other freelancers on the platform using a secure payment gateway, so that I can efficiently access services I need for my projects, enhancing my freelance capabilities.								
FG1	Testing the payment gateway by not entering any data to required fields	1. Search for a gig in the search bar 2. Click on a specific gig 3. click on "continue" button on the right side of the website	all the fields are null	user should not be able to purchase the service		completed	high	high
FG1	Testing the payment gateway by not entering any data to required fields	1. Search for a gig in the search bar 2. Click on a specific gig 3. click on "continue" button on the right side of the website 4. keeping all the fields empty 5. click on "pay now"	all the fields are null	user should not be able to purchase the service		completed	high	high
FG2	Testing the payment gateway by adding all the required data	1. Search for a gig in the search bar 2. Click on a specific gig 3. click on "continue" button on the right side of the website 4. All the fields are filled 5. click on "pay now"	none	none	none	hold	high	high
FG3	Testing the payment gateway by entering an invalid card number	1. Search for a gig in the search bar 2. Click on a specific gig 3. click on "continue" button on the right side of the website 4. enter an invalid number for the card number	Card number - 5555 5555 7849 7849	user should be able to see that the card number is invalid		completed	high	high
FG3	Testing the payment gateway by entering an invalid card number	1. Search for a gig in the search bar 2. Click on a specific gig 3. click on "continue" button on the right side of the website 4. enter an invalid number for the card number 5. click on "pay now"	Card number - 5555 5555 7849 7849	user should be able to see that the card number is invalid		completed	high	high

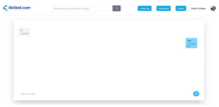
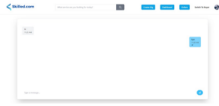

## 2.9.3 Employer Test Cases

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Results	Completion	Priority	Severity
As a registered buyer, I want to log in securely to the platform using my credentials, so that I can access my personalized dashboard, view my past orders, and manage my interactions with freelancers.								
FS11	Testing the login functionality when a registered user enters valid data into the system, the user's valid email and password	1. Navigate to the Skilled page. 2. Click on "Sign in" button. 3. Enter the username / email. 4. Enter the password. 5. Click on "continue" button. 6. Re-directs to the home page.	URL - Email - yohansa1217@gmail.com Password - 123456789	2. User should get a dialog box where user can enter the username / email address and password. 5. After continuing user should be able to redirect to the home page / the landing page of the website.		completed	medium	medium
FS12	Testing the login functionality when a registered user attempts to login without providing the user's valid email and password, keeping both data fields empty.	1. Navigate to the Skilled page. 2. Click on "Sign in" button. 3. Not entering the username / email. 4. Not entering the password. 5. Click on "continue" button.	URL - Email - Null Password - Null	2. User should get a dialog box where user can enter the username / email address and password. 5. After continuing user should not be able to redirect to the home page / the landing page of the website and the system		completed	medium	medium

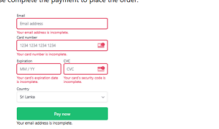

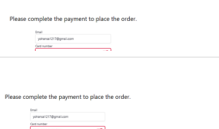


FS13	Testing the login functionality when a registered user attempts to login without entering the correct email format. E.g. without @ symbol or ".com" and a capital letter in the beginning of the email.	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Not entering the valid email (wrong email format). 4.Enters the valid password. 5.Click on "continue" button.	URL - 1. Email - johansa1217@gmail.com Password - 123456789 2. Email - johansa1217@gmail.com Password - 123456789 3. Email - Yohansa1217@gmail.com Password - 123456789	2. User should get a dialog box where user can enter the username / email address and password. 3. After continuing user should not be able to redirect instead the system should state the user that the email format is invalid and to provide a valid email address		completed			
FS14	Testing the login functionality when a registered user attempts to login without meeting the given requirements for the password. The password should be at least 8 characters long to login to the system.	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Enters a valid e-mail. 4.Enters a password that is not in a required format - ( password is too short). 5.Click on "continue" button.	URL - Email - johansa1217@gmail.com Password - 1234567	2. User should get a dialog box where user can enter the username / email address and password. 3. User should not be able to re- directs to the home page instead system should state the user that password is not meeting		completed	medium	medium	
FS14	Testing the login functionality when a registered user attempts to login without meeting the given requirements for the password. The password should be at least 8 characters long to login to the system.	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Enters a valid e-mail. 4.Enters a password that is not in a required format - ( password is too short). 5.Click on "continue" button.	URL - Email - johansa1217@gmail.com Password - 1234567	2. User should get a dialog box where user can enter the username / email address and password. 3. User should not be able to re- directs to the home page instead system should state the user that password is not meeting the given requirements		completed	medium	medium	
FS15	Testing the login functionality when a registered user attempts to login with a wrong password that the user didn't set out for their account when signing up for the system.	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Enters a valid e-mail. 4.Enters a wrong password 5.Click on "continue" button.	URL - Email - johansa1217@gmail.com Password - 987654321	2. User should get a dialog box where user can enter the username / email address and password. 3. User should not be able to re- directs to the home page instead the system should state the user that password is wrong.		completed	medium	medium	
FS16	Testing the login functionality when a registered user attempts to login with an invalid e-mail	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Enters an invalid e-mail. 4.Enters a wrong password 5.Click on "continue" button.	URL - Email - johansa1215@gmail.com Password - 987654321	2. User should get a dialog box where user can enter the username / email address and password.		completed	medium	medium	
FS16	Testing the login functionality when a registered user attempts to login with an invalid e-mail and a wrong password.	1.Navigate to the Skilled page. 2.Click on "Sign in" button. 3.Enters an invalid e-mail. 4.Enters a wrong password 5.Click on "continue" button.	URL - Email - johansa1215@gmail.com Password - 987654321	2. User should get a dialog box where user can enter the username / email address and password. 3. User should not be able to re- directs to the home page instead the system should state the user that the user cannot sign in as the email and password		completed	medium	medium	
As a buyer, I want to logout from the website securely so that I can protect my account information and ensure that my activities on the platform are secure.									
FL01	Testing the logout functionality	1. Navigate to the skilled page.	URL -	2. User should get a dialog					
As a new buyer, I want to register on the website so that I can create a profile, post job opportunities, and connect with skilled freelancers to fulfill my project requirements.									
FSU1	Testing the signup functionality when a registered user enters data into the system, the user's valid email and password	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Enters a valid e-mail. 4.Enters a correct password 5.Click on "continue" button. 6.Re-directs to the profile page.	URL - E-mail - sahrwin@gmail.com Password - 12345678	2. User should get a dialog box where user can enter the username / email address and password. 5. After continuing user should be able to redirect to the profile page of the website.		completed	medium	medium	
FSU2	Testing the signup functionality when a registered user attempts to login without providing the user's valid email and password, keeping both data fields empty.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Not entering an email. 4.Not entering a password. 5.Click on "continue" button.	URL - Email - Null Password - Null	2. User should get a dialog box where user can enter the username / email address and password. 5. After continuing user should not be able to redirect to the home page / the landing page of the		completed	medium	medium	
FSU3	Testing the signup functionality when a registered user attempts to login without providing the user's valid email and password, keeping both data fields empty.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Not entering an email. 4.Not entering a password. 5.Click on "continue" button.	URL - Email - Null Password - Null	2. User should get a dialog box where user can enter the username / email address and password. 5. After continuing user should not be able to redirect to the home page / the landing page of the website and the system should state the user that the fields are empty and to fill the empty fields.		completed	medium	medium	
FSU3	Testing the singup functionality when a registered user attempts to signup, by entering an existing email that has an already created account.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Enters an existing email. 4.Enters a password. 5.Click on "continue" button.	URL - Email - johansa1217@gmail.com Password - 123456789	2. User should get a dialog box where user can enter the username / email address and password. 5. After entering the email and continues user should not be able to redirects to the profile page of the website and the system should state		completed	medium	medium	
FSU4	Testing the singup functionality when a registered user attempts to login without providing the user's valid email and password, keeping both data fields empty.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Not entering an email. 4.Not entering a password. 5.Click on "continue" button.	URL - Email - Null Password - Null	2. User should get a dialog box where user can enter the username / email address and password. 5. After continuing user should not be able to redirect to the home page / the landing page of the website and the system should state the user that the fields are empty and to fill the empty fields.		completed	medium	medium	
FSU3	Testing the singup functionality when a registered user attempts to signup, by entering an existing email that has an already created account.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Enters an existing email. 4.Enters a password. 5.Click on "continue" button.	URL - Email - johansa1217@gmail.com Password - 123456789	2. User should get a dialog box where user can enter the username / email address and password. 5. After entering the email and continues user should not be able to redirects to the profile page of the website and the system should state		completed	medium	medium	

the system should state						
As a buyer I want to create a comprehensive profile on the platform, including adding a profile picture, so that I can establish credibility and build trust with freelancers, providing them with a clear understanding of my identity and profession.						
FCP1	Testing the create profile page by registering as a new user and user should be able to create the profile by entering their username, full name, a description about them and to add a profile picture.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Enters an email. 4.Enters a password. 5.Click on "continue" button. 6.Re-directs to the profile page. 7.Fills the all the required fields and uploads a picture. 8.Click on the "set profile". 9.Creates a profile.	URL - Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Description - QA engineer	2. User should get a dialog box where user can enter the username / email address and password. 5. User should be able to re-directs to the profile page. 7. After user re-directs to the profile page the user should fill all the required fields. 8. A profile is created.		completed medium medium
FCP2	Testing the create profile page by uploading an image for the profile picture and it should successfully displayed on the profile and in the dashboard.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Enters an email. 4.Enters a password. 5.Click on "continue" button. 6.Re-directs to the profile page. 7.Fills the all the required fields and uploads a picture. 8.Click on the "set profile".	URL - Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Description - QA engineer	2. User should get a dialog box where user can enter the username / email address and password. 5. User should be able to re-directs to the profile page. 7. After user re-directs to the profile page the user should fill all the required fields. 8. A profile is created.		completed medium medium
FCP3	Testing the create profile page by completing all the mandatory fields before allowing the profile creation. An error message should be displayed if any required field is left blank.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Enters an email. 4.Enters a password. 5.Click on "continue" button. 6.Re-directs to the profile page. 7. Not filling the fields. 8.Click on the "set profile". 9.Should not be created.	URL - Email - yohansa1215@gmail.com Password - 123456789 username - null Full name - null Description - null	2. User should get a dialog box where user can enter the username / email address and password. 5. User should be able to re-directs to the profile page. 7. Not entering any data to the fields and allowing the profile creation should not happen as the fields are empty and it should re-directs to the profile page. 10. Under the search category users should be able to see all the		completed medium medium
FCP4	Testing the profile creation by creating a profile and viewed as another user to	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Enters an email. 4.Enters a password. 5.Click on "continue" button. 6.Re-directs to the profile page. 7.Creates a profile on the "set profile". 8.Click on the "set profile". 9.Switch to buyer. 10. search for a gig. 11.Under that category all the profiles should be visible. 12. Click on to a gig and view the "About this seller".	URL - Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Description - QA engineer Gig - UI/UX designing	2. User should get a dialog box where user can enter the username / email address and password. 5. User should be able to re-directs to the profile page. 7. Not entering any data to the fields and allowing the profile creation should not happen as the fields are empty and it should re-directs to the profile page. 10. Under the search category users should be able to see all the		completed medium medium
FCP4	Testing the profile creation by creating a profile and viewed as another user to test whether the profile will be visible to other users on the platform enhancing the visual representation of the profile.	1.Navigate to the Skilled page. 2.Click on "Sign up" button. 3.Enters an email. 4.Enters a password. 5.Click on "continue" button. 6.Re-directs to the profile page. 7.Creates a profile on the "set profile". 8.Click on the "set profile". 9.Switch to buyer. 10. search for a gig. 11.Under that category all the profiles should be visible. 12. Click on to a gig and view the "About this seller".	URL - Email - yohansa1215@gmail.com Password - 123456789 username - @Sparkle Full name - Yohansa perera Description - QA engineer Gig - UI/UX designing	10. Under the search category users should be able to see all the profiles under that category gig 12. User can click on to a profile and view about the seller information.		completed medium medium
As a buyer, I want to efficiently search and filter specific gigs on the website, so that I can quickly identify freelancers whose skills and services match the requirements of my project. The ability to search and filter gigs allows me to navigate						
FSG1	Testing the searching when the user performs a basic text search for gigs using relevant keywords, and search results should include gigs that match the specified keywords in the page.	1. Search for a specific keyword	Search word - ui	1. Search results should show the relevant data according to the search category		completed low low
FSG2	Testing the search by when the user performs a search that yields no results, the system should provide a clear message indicating that no gigs match the specified criteria, encouraging the user to	1. Search for a specific keyword which is not there in the website	Search word - web	1. Results should show that the data is "0"		completed low low
As a buyer, I want to provide reviews and ratings for freelancers I have worked with, so that I can share my experience, help other buyers make informed decisions, and acknowledge freelancers for their work.						
FRR1	Testing the reviews and ratings that when a user submit review and rating, the system should be successfully process the feedback and the review and rating should be visible on the recipient's profile.	Search for a gig and see the rating of the gig owners profile		user should be to view the data		completed low low
FRR2	Testing the reviews and ratings that when a user submitting a rating, the rating scale should be appropriate and clearly defined and the system should not allow submission of ratings outside the specified range.	Search for a gig and see the rating of the gig owners profile		user should be to view the data		completed low low
As a buyer, I want to utilize the buyer dashboard on the website, so that I can efficiently manage my posted jobs, track communication with freelancers, and oversee the progress of my projects.						
CBS1	Testing chat messages by compose and send a message to the other party, the message should be successfully delivered and both parties should see the communication in their respective message inboxes.	1. Click on dashboard 2. click on unread messages				completed low low
CBS2	Testing chat messages for the user to be able to see the timestamps for each message and allowing users to track the timeline of the conversation.	1. Click on dashboard 2. click on unread messages		user's should be able to see each other time sent messages		completed low low
CBS3	testing the chat messages when the user replies to a message the reply should be added to the conversation and both parties should see	1. Click on dashboard 2. click on unread messages		users should be able to see each others messages		completed low low

CBS2	Testing chat messages for the user to be able to see the timestamps for each message and allowing users to track the timeline of the conversation.	1. Click on dashboard 2. click on unread messages		user's should be able to see each other time sent messages		completed	low	low
CBS3	testing the chat messages when the user replies to a message the reply should be added to the conversation and both parties should see the updated discussion.	1. Click on dashboard 2. click on unread messages		users should be able to see each other's messages		completed	low	low
CBS4	Testing the chat messages that a user in a conversation should indicate whether a message has been read by recipient.	1. Click on dashboard 2. click on unread messages		both the parties should be able to see the messages has been read with time		medium	medium	medium

As a buyer, I want to securely purchase gigs from freelancers on the platform using a reliable payment gateway, so that I can efficiently acquire the services I need for my projects and support freelancers for their work.

FG1	Testing the payment gateway by not entering any data to required fields	1. Search for a gig in the search bar 2. click on a specific gig 3. click on "continue" button on the right side of the website 4. keeping all the fields empty 5. click on "pay now"	all the fields are null	user should not be able to purchase the service		completed	high	high
FG2	Testing the payment gateway by adding all the required data	1. Search for a gig in the search bar 2. click on a specific gig 3. click on "continue" button on the right side of the website 4. All the fields are filled 5. click on "pay now"	none	none	none	hold	high	high
FG3	Testing the payment gateway by entering an invalid card number	1. Search for a gig in the search bar 2. click on a specific gig 3. click on "continue" button on the right side of the website 4. enter an invalid number for	Card number - 5555 5555 7849	user should be able to see that the card number is invalid		completed	high	high
FG3	Testing the payment gateway by entering an invalid card number	1. Search for a gig in the search bar 2. click on a specific gig 3. click on "continue" button on the right side of the website 4. enter an invalid number for the card number 5. click on "pay now"	Card number - 5555 5555 7849	user should be able to see that the card number is invalid		completed	high	high

## 3.0 Sprint Retrospective

### 3.1 Sprint Retrospective by Akitha (Business Analyst)

*Purpose:* The purpose of this retrospective is to reflect on the recently completed sprint, identify areas for improvement, and reinforce successful practices for the upcoming sprints.

#### What We Achieved:

1. Successfully set up the database for [Skilled.com](https://www.skilled.com) to facilitate data storage and retrieval.
2. Created a user-friendly login and registration system with multi-user authentication, ensuring a secure user experience.
3. Developed user management laying the groundwork for future functionalities.
4. Prepared detailed use cases, activity diagrams, and sequence diagrams to enhance our understanding of the system's functionality and structure.

5. Utilized Figma to create a design prototype, providing a visual representation of the user interface for future refinement.
6. Successfully met all sprint goals within the specified timeframes.
7. Completed tasks outlined in the work breakdown structure for Sprint 1.
8. Enhanced our knowledge of programming languages and gained insights into real-world coding project management.

#### **Challenges:**

1. Meetings: Scheduling meetings that accommodated all team members proved challenging due to varying personal schedules.
2. Team Updates: Ensuring consistent updates on the clickup board became a challenge when team members occasionally failed to update task completion statuses.
3. Design Consensus: Reaching an agreement on Figma design components took time due to diverse individual tastes and ideas.

#### **Areas for Improvement:**

1. Task Responsibility: Enhance flexibility and responsibility in handling team tasks, ensuring each task is managed effectively and completed on time.
2. Early Research: Initiate research on processes such as UML diagramming and cost analysis sooner to avoid negatively impacting sprint deadlines.
3. Effective Communication: Improve communication within the team, providing regular updates on sprint progress, challenges faced, and solutions found.

*Overall, the team's dedication and successful completion of Sprint 1 goals set a positive tone for the project. Addressing the identified challenges and implementing improvements will contribute to the team's continued success in future sprints.*

## **3.2 Sprint Retrospective by Anumm (Scrum Master)**

Successfully established and configured the project management tool, ensuring a structured and organized platform for task management.

Maintain Sprint Backlog - Scrum Master:

Effectively maintained the sprint backlog, ensuring that it accurately reflected the tasks prioritized for the current sprint. Gantt Chart - Scrum Master:

Developed and maintained the Gantt chart, providing a visual representation of task dependencies and timelines for the team. Conduct Daily Stand-up Meetings - Scrum Master:

Facilitated daily stand-up meetings, fostering communication, and collaboration among team members, addressing challenges and ensuring everyone is on track. Time Management - Critical Path Analysis - Scrum Master:

Applied critical path analysis as part of time management, identifying and managing the critical path to optimize project timelines. I

Blocks

Consider ongoing skill enhancement in Scrum Master practices, attending relevant workshops, or seeking certifications to further refine your role.

Encourage more explicit feedback during sprint retrospectives to gather insights into areas where the team believes there could be improvements in the Scrum Master's role or overall processes.

Enhance technical awareness to better understand and address challenges faced by the development team, fostering a more holistic approach to problem-solving.

Actively incorporate feedback from team members regarding the effectiveness of Scrum Master practices and adapt strategies accordingly.

Create better time management diagrams and CPA analysis

### 3.3 Sprint Retrospective by Sumuditha (Developer)

*Accomplishments:*

As the developer for our local freelancers' web platform project, I successfully implemented several crucial features during the first sprint. Using Next.js, Tailwind CSS, Node.js, and PostgreSQL, I achieved the following milestones:

1. **Login / Registration / Logout:** Implemented a secure authentication system to allow users to sign up, log in, and log out effectively.
2. **Profile Creation with a profile picture:** Developed a user-friendly profile creation process, including the option for users to upload a profile picture.
3. **CRUD Gigs:** Implemented the ability for users to Create, Read, Update, and Delete gigs, providing a comprehensive gig management system.
4. **Search and Filter Gigs:** Implemented a robust search and filtering mechanism to enhance user experience in finding relevant gigs.
5. **Purchase Gigs with Payment Gateway:** Integrated a payment gateway to facilitate seamless gig transactions, allowing users to purchase services securely.
6. **Add Reviews and Ratings:** Implemented a feature for users to leave reviews and ratings, promoting transparency and trust within the platform.
7. **Message Between Seller and Buyer:** Established a messaging system to facilitate communication between sellers and buyers, enhancing the overall user interaction.
8. **Seller Dashboard:** Developed a dedicated dashboard for sellers, providing insights and controls for managing their gigs effectively.

*Plan for Today:*

In the upcoming sprint, the focus will be on addressing the issue encountered with the payment gateway. This involves a detailed analysis of the problem, collaboration with relevant team members, and implementing a viable solution to ensure smooth transaction processes for users.

*Blocks:*

The primary obstacle faced during the sprint was related to the payment gateway. The issue needs immediate attention and resolution to ensure that users can complete transactions without any disruptions. Coordination with the team and possibly seeking external support or documentation review might be necessary to overcome this hurdle and ensure the seamless functionality of the payment system.

As we move forward, the experience gained from this sprint will contribute to better planning and execution in subsequent sprints, fostering continuous improvement in our agile development process.

### 3.4 Sprint Retrospective by Biseni (Quality Assurance)

Accomplishments - As the QA of the team according to the user stories that is created by BA of our team, I got the opportunity to successfully design comprehensive test cases for the features that is made up by the developer of our team, covering both positive and negative scenarios. Developed test cases that effectively validate business requirements, ensuring a high level of test coverage. Collaborated with the team to create test cases that align with user stories and acceptance criteria and for the user personas.

I as the QA created the test cases step by step as the developer developed the features. I did the functional testing, non- functional testing, regression testing, requirement testing.

Implemented a systematic approach to scenario identification, covering various user workflows and edge cases. Ensured that test scenarios encompassed real-world usage scenarios, contributing to more realistic testing. Identified and addressed potential gaps in scenario coverage, leading to a more robust testing strategy.

- **What Went Well (QA Perspective):**
  - Highlighted successful test case executions.
  - Recognized instances of effective collaboration with the development team.
  - Commended the identification and resolution of critical defects.
- **Challenges Faced (QA Perspective):**
  - Discussed challenges encountered during testing as I didn't manage the time well .
  - Examined difficulties in reproducing reported issues to the developer .
  - Address obstacles in testing the website.
- **QA-Specific Improvements:**
  - Proposed improvements in the test case design for better coverage.
  - Discussed the need for additional training or resources in specific testing tools.

- Shared insights on enhancing the efficiency of the QA process.
- **Collaboration with Development:**
  - Explored opportunities for strengthening collaboration between QA and development.
  - Discussed ways to streamline the bug reporting and resolution process in standup meetings.
  - Shared feedback on the clarity of acceptance criteria in user stories.

## 4.0 Sprint 02 Documentation

### 4.1 Sprint Goal

Sprint 2 focuses on laying the groundwork for [SKILLED.COM](#), encompassing essential features such as user feedback, Admin dashboards, freelancer portfolio, and social media integration. This foundational sprint establishes a strong base for subsequent development phases, shaping the platform's evolution.

#### Team Members and Roles: First Half

Member's Name	Role
Sumuditha Lankasara (CB010718)	Business Analyst
Akitha Randira (CB011077)	Developer
Anumm Irshad (CB010606)	QA
Biseni Perera (CB010973)	Scrum master

#### Team Members and Roles: Second Half

Member's Name	Role
Sumuditha Lankasara (CB010718)	Scrum master
Akitha Randira (CB011077)	QA
Anumm Irshad (CB010606)	Developer
Biseni Perera (CB010973)	BA

## 4.2 Sprint Backlog

### 4.2.1 Sprint Planning Meeting

Date	Time	What are we going to cover up in this sprint?
2023/11/24	9.00 - 10.00	<p>During our planning session for the second sprint, we addressed role assignments and sprint segmentation. We emphasized the need to distribute tasks among team members and decided to split the sprint into two distinct halves. In our discussion, we outlined specific roles for each half of the sprint. For the first half, the focus will be on the implementation of three prioritized features: admin functions, a user feedback form, and a freelance portfolio. Additionally, we established the time duration for each half of the sprint to ensure effective progress and timely completion of the identified features. At the same time the developer of the first half of the second sprint started setting up the project environment for the project.</p>



#### 4.2.2 Sprint Standup Meeting logs

Date	Time	What did we accomplish in terms of our roles (Developer, SCRUM Master, Business Analyst, Quality Analyst)	Plan for the day	Anything that blocked us from our work?
2023/11/25	9.00 - 9.30	Reviewed code and checked functionalities. Reviewed AOA, AON diagrams, planned sprint. Walkthrough of previous code. Started Admin. Discussed requirement testing, backend dev.	In the meeting we reviewed the previous sprint code and checked the functionalities of the website. Reviewed the previous sprint activity and use case diagrams and the user flow of the website.	none
2023/11/26	9.00 - 9.30	Started AOA, AON, user personas. Started AOA, AON diagrams.	In the meeting we reviewed the previous sprint AOA and AON diagrams and planned these sprint diagrams. Scrum master started creating the AOA and AOH diagram, user personas.	none
2023/11/27	9.00 - 9.30	First developer started Admin. Created Figma designs.	In the meeting the developer of the previous sprint gave a walk through about the code for the developers of this sprint and how the features that the developer developed in the previous sprint. The first developer of this sprint started working on the admin feature. Started creating Figma designs for the features.	none

<b>2023/11/28</b>	9.00 - 9.30	Discussed functional testing. Discussed requirement testing.	In the meeting we discussed how the requirement testing should be done according to the user personas. Started to develop the backend of the website.	none
<b>2023/11/30</b>	9.00 - 9.30	Discussed freelancer portfolio. Discussed functional testing.	In the meeting we discussed how to implement the freelance portfolio. Discussed how to do the Functional testing for the first half implemented features.	none
<b>2023/12/01</b>	9.00 - 9.30	Discussed frontend development.	In the meeting we discussed how to do the front-end development for the discussed features.	none
<b>2023/12/02</b>	9.00 - 9.30	Discussed integration testing.	In the meeting we discussed how to do integration testing and automated testing for UI.	none
2023/12/03	9.00 - 9.30	Discussed non-functional testing.	In the meeting we discussed how to perform the non – functional testing for features that is being developed by the first half of the sprint.	none
2023/12/04	9.00 - 9.30	Discussed UI changes.	In the meeting we tested the implemented features by ourselves, and each member gave the feedback about the features that has implemented	none
2023/12/06	9.00 - 9.30	Set up project environment for developer. Discussed second half features.	In the meeting we discussed how the changes should be made to finalize the UI for the implemented features.	none
2023/12/07	9.00 - 9.30	Discussed remaining features, UI designs.	In the meeting we discussed how to perform the unit testing	none

			for the finalized features.	
2023/12/08	9.00 - 9.30	Discussed user feedback, social media.	In the meeting we had a discussion to fix the errors of the testing's.	none
2023/12/10	9.00 - 9.30	Discussed second half features. Discussed user feedback, social media.	In the meeting we discussed how to implement the features of the second half of the sprint. setting up the project environment for the developer	none
2023/12/11	9.00 - 9.30	Discussed remaining features, UI designs. Discussed backend development. Started testing	In the meeting we had a discussion about how we are going to implement the two remaining features for this sprint and UI designs for the features.	none
2023/12/15	9.00 - 9.30	Discussed user feedback, social media. Discussed testing. Functional and non-functional testing.	In the meeting we had a discussion about how to develop the user feedback form and social media integration.	none
2023/12/16	9.00 - 9.30	Discussed backend development. Started testing.	In the meeting we had a discussion about how to develop the backend of the website and finalizing the backend development. We started to test the features of the website by ourselves.	none
2023/12/17	9.00 - 9.30	Discussed testing. Functional and non-functional	In the meeting we had a discussion about the testing of the features. Functional testing and non- functional tastings for the implemented features.	none
2023/12/18	9.00 - 9.30	Discussed UI test automation	In the meeting we had a discussion for UI test automation and finalizing all the features	none
2023/12/19	9.00 - 9.30	Reviewed document content.	In the meeting we reviewed the document content by each member.	none

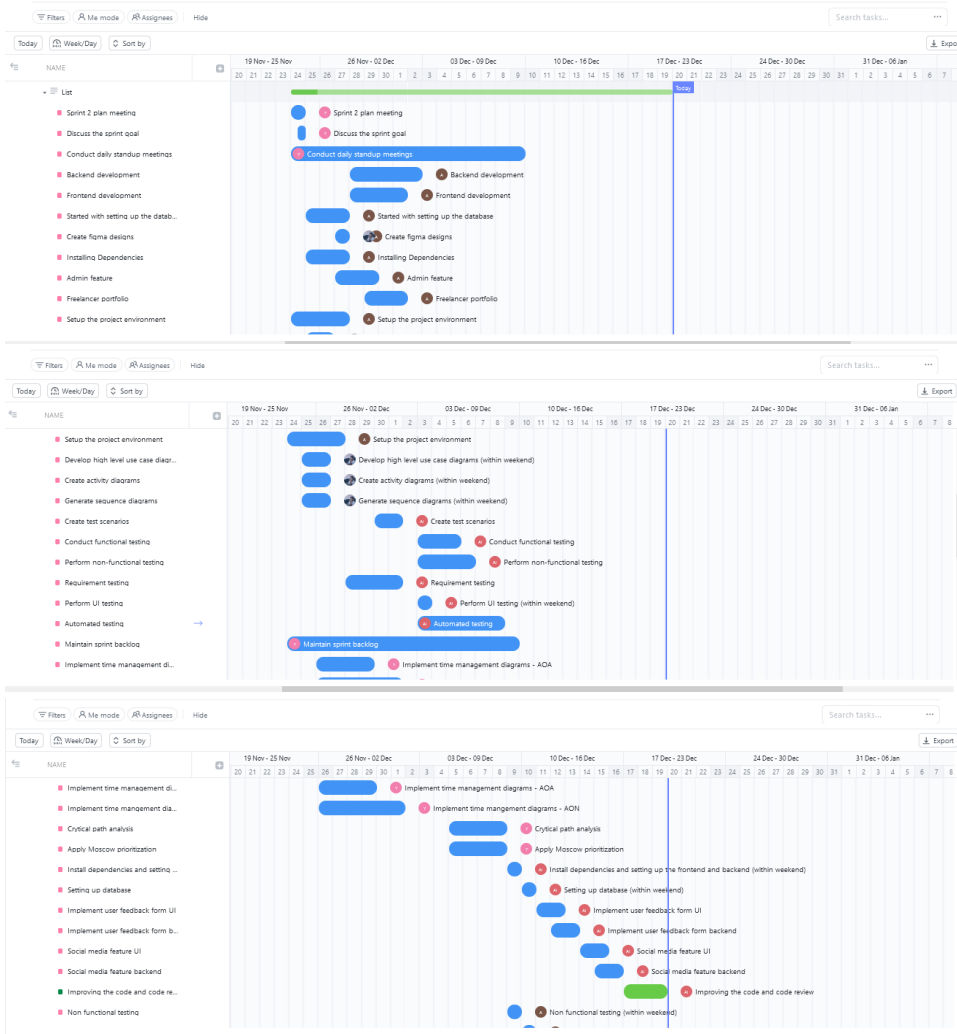
2023/12/20	9.00 - 9.30	Finalized all work for Sprint 2.	Finalized all work for Sprint 2.	none
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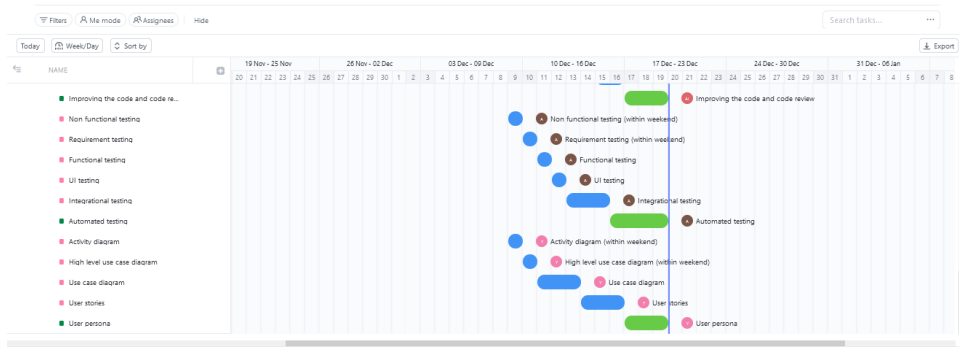
#### 4.2.3 Sprint Retrospective Meeting

Date	Time	What went well?	What went wrong?	What we commit to improve in the next sprint?	Individual opinion of each team member
2023/12/20	9:00	- Successfully implemented Admin Dashboard and Freelancer Portfolio.	- Encountered challenges in the backend development of Social Media Integration.	- Commit to conducting more thorough backend testing in the next sprint.	- Developer: Overall satisfied with progress but needs more detailed testing.
		- Collaborative effort in resolving coding errors and streamlining UI.	- Some delays in UI finalization and testing for second-half features.	- Improve communication between front-end and back-end teams for smoother integration.	- Business Analyst: Positive about requirements, but challenges in testing coordination.
		- Achieved a streamlined	- Minor setbacks in the	- Commit to a detailed testing	- Scrum Master: Facilitated

		process for testing and resolving coding errors.	development of User Feedback Form.	plan and increased collaboration for User Feedback Form.	smooth communication but acknowledges room for improvement.
		- Successfully integrated feedback to finalize all features.	- Some UI test automation challenges.	- Implement better UI test automation strategies in the next sprint.	- QA: Identified critical defects and suggested improvements in testing tools.

## 4.2.4 Grantt Chart





## 4.2.5 Project Management

## 4.3 Time Estimation Plan

### 4.3.1 Time Estimation Plan for Admin Dashboard and Freelancer

Task	Estimated Time (Days)
Requirement Gathering (A)	1.5
UI/UX Design (B)	2.5
Backend Development (C)	4.5
Testing and Debugging (D)	1.5
<b>Total Time for Admin Dashboard</b>	<b>10</b>

### 4.3.2 Time Estimation Plan for Social Media Intergration and User Feedback Form

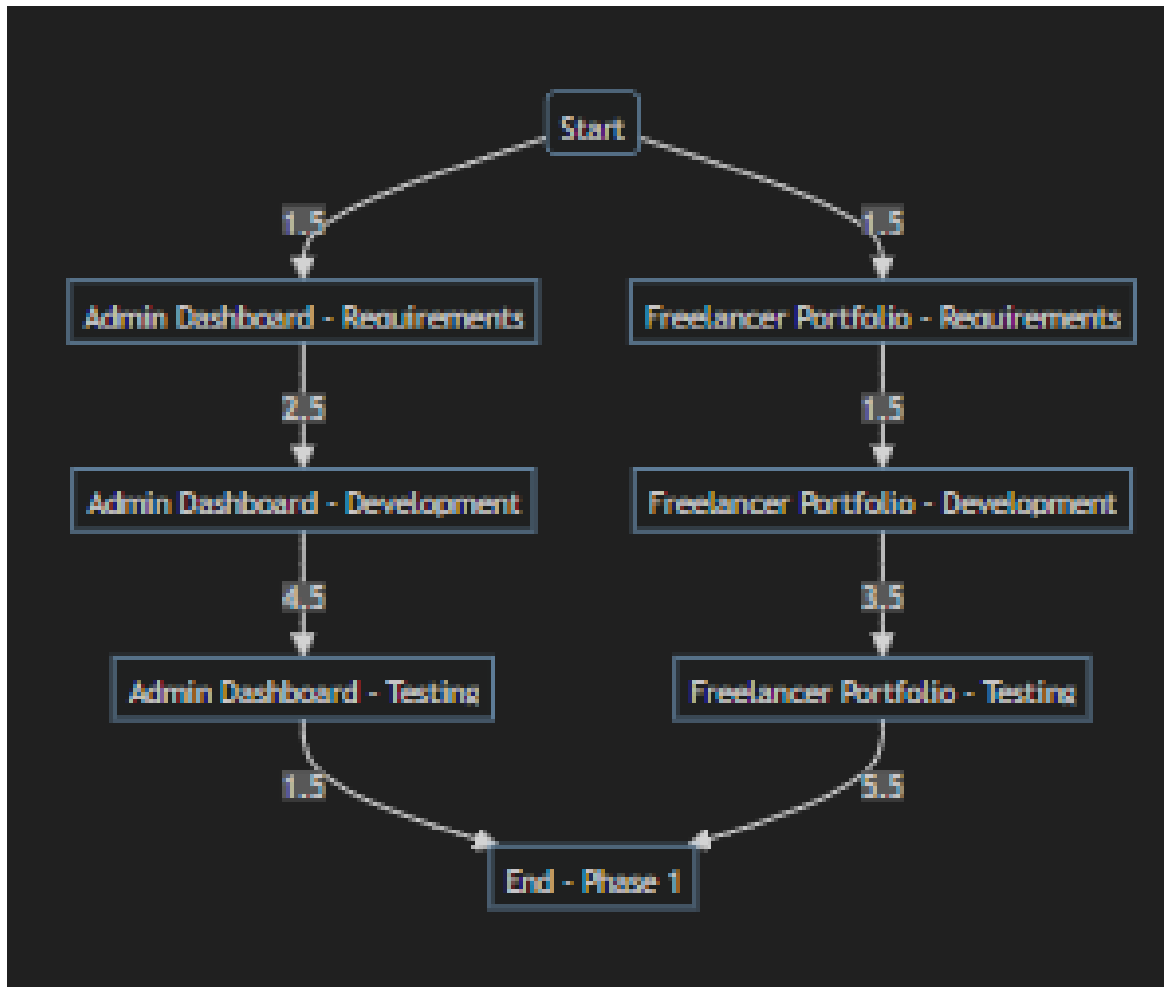
Task	Estimated Time (Days)
Requirement Gathering (I)	1.5
UI/UX Design (J)	2.5
Backend Development (K)	3.5
Testing and Debugging (L)	1.5
<b>Total Time for Social Media Integration</b>	<b>9</b>

### 4.3.3 Time Estimation Plan for Sprint 02

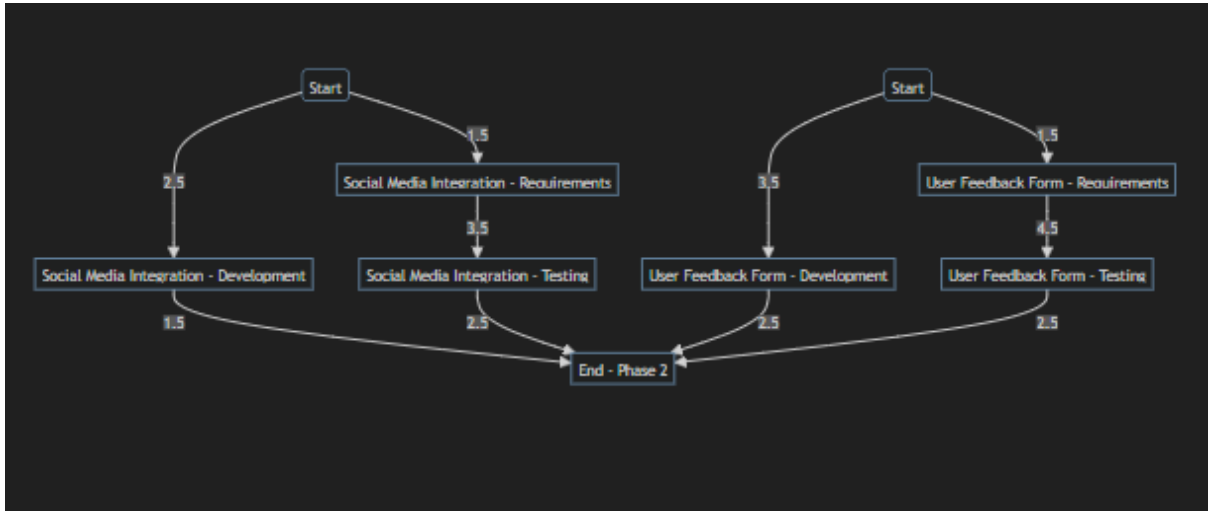
- Total Estimated Time for Sprint 2: 25 days (about 3 and a half weeks)

### 4.3.4 AOA Diagram

1<sup>st</sup> Half



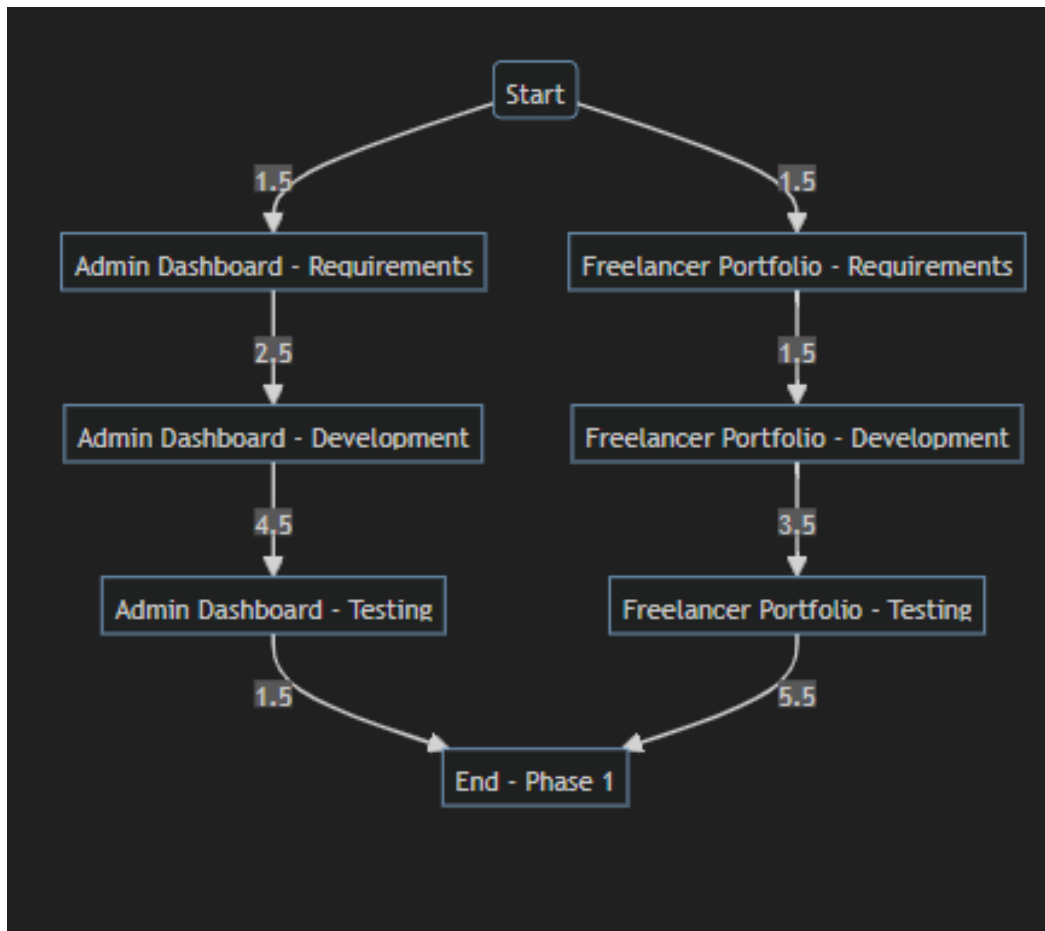
2<sup>nd</sup> Half



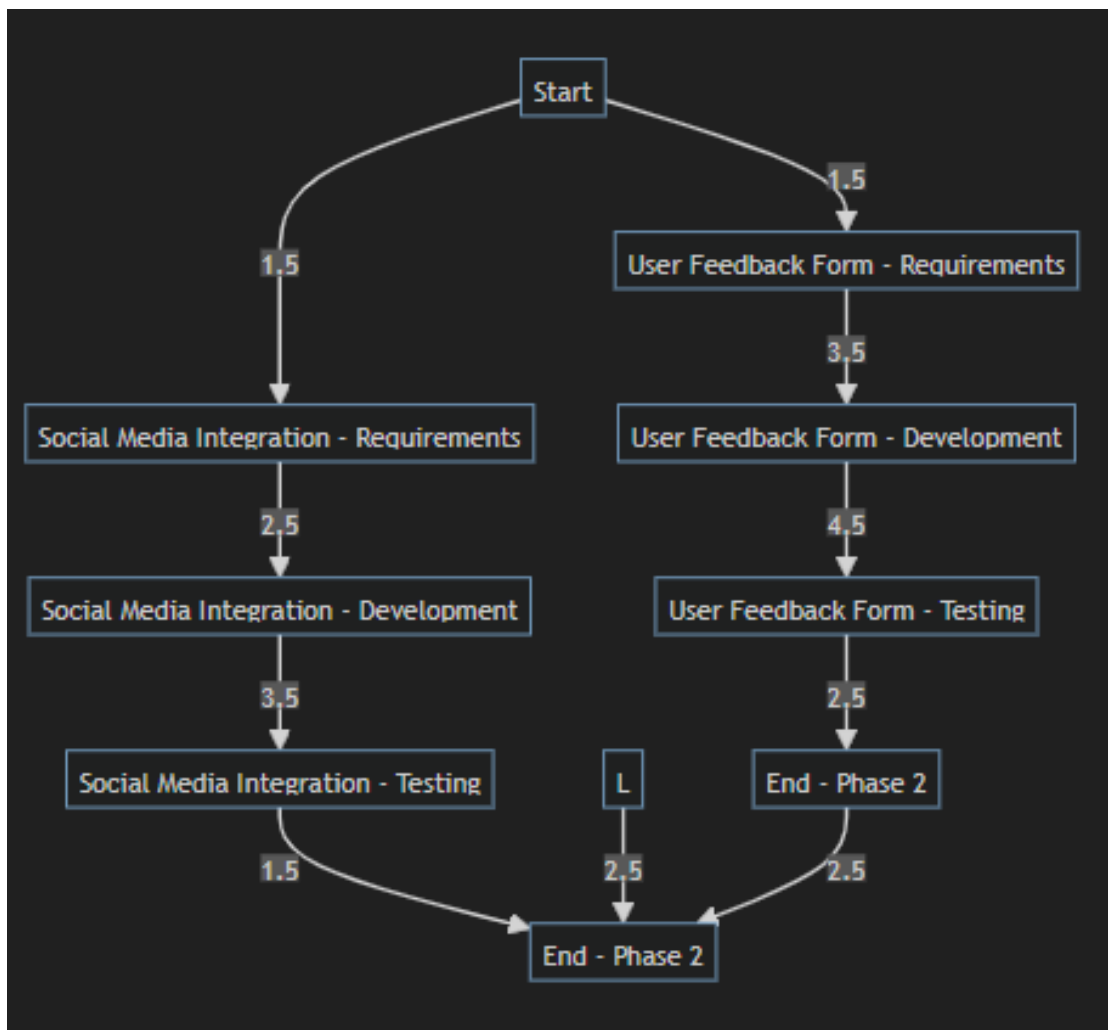
#### 4.3.5 AON Diagram

1<sup>st</sup> Half





2<sup>nd</sup> Half



#### 4.3.6 Work Breakdown Structure

Phase – 1

<b>Feature</b>	<b>Task</b>	<b>Akitha (Dev)</b>	<b>Anumm (QA)</b>	<b>Sumuditha (BA)</b>	<b>Biseni (SM)</b>	<b>Target Completion Date</b>
Admin Dashboard	Requirements Gathering	X		X		2023/11/30
	Figma Design			X		2023/12/02
	Backend Development	X				2023/12/07
	Frontend Development		X			2023/12/10
	Integration Testing	X			X	2023/12/12
Freelancer Portfolio	Requirements Gathering		X	X		2023/11/27
	Figma Design			X		2023/11/30
	Backend Development		X			2023/12/05
	Frontend Development	X				2023/12/08
	Integration Testing		X		X	2023/12/10

Phase – 2

<b>Feature</b>	<b>Task</b>	<b>Akitha (Dev)</b>	<b>Anumm (QA)</b>	<b>Sumuditha (BA)</b>	<b>Biseni (SM)</b>	<b>Target Completion Date</b>
Social Media Integration	Requirements Gathering		X	X		2023/12/11
	Figma Design			X		2023/12/13
	Backend Development		X			2023/12/18
	Frontend Development	X				2023/12/19
	Integration Testing		X		X	2023/12/20

User Feedback Form	Requirements Gathering	X		X		2023/12/14
	Figma Design			X		2023/12/16
	Backend Development		X			2023/12/18
	Frontend Development	X				2023/12/19
	Integration Testing	X	X		X	2023/12/20

## Detailed Tables

### Phase –1

Activity	Duration (days)	Dependencies
Admin Dashboard - Requirements	1.5	-
Freelancer Portfolio - Requirements	1.5	-
Admin Dashboard - Development	2.5	Admin Dashboard - Requirements
Freelancer Portfolio - Development	1.5	Freelancer Portfolio - Requirements
Admin Dashboard - Testing	4.5	Admin Dashboard - Development
Freelancer Portfolio - Testing	3.5	Freelancer Portfolio - Development
<b>End - Phase 1</b>	-	-

### Phase – 2

Activity	Duration (days)	Dependencies
Social Media Integration - Requirements	1.5	-
Social Media Integration - Development	2.5	Social Media Integration - Requirements
Social Media Integration - Testing	3.5	Social Media Integration - Development

User Feedback Form - Requirements	1.5	-
User Feedback Form - Development	3.5	User Feedback Form - Requirements
User Feedback Form - Testing	4.5	User Feedback Form - Development
<b>End - Phase 2</b>	-	-

## 4.4 Critical Path Analysis

- **Phase 1: Admin Dashboard and Freelancer Portfolio**
  - Longest Path: Admin Dashboard - Requirements → Admin Dashboard - Development → Admin Dashboard - Testing
  - Total Duration: 8.5 days
- **Phase 2: Social Media Integration and User Feedback Form**
  - Longest Path: Social Media Integration - Requirements → Social Media Integration - Development → Social Media Integration - Testing
  - Total Duration: 7.5 days

## 4.5 Moscow Prioritization Matrix

### 4.5.1 Must Have

- CV update (personal portfolio)
- Admin Dashboard
- Earnings Tracking
- User Feedback Form
- Social Media Integration
- Performance Optimization

### 4.5.2 Should Have

- Continuous Monitoring and Improvements
- Refine UI and UX
- Address User Feedback and Issues

### 4.5.3 Could Have

- Additional Security Measures
- Advanced User Analytics
- Advanced AI Recommendations

### 4.5.4 Won't Have

- Advanced Reporting and Analytics

## 4.6 Solution Conceptualizing

### 4.6.1 User Stories

Phase – 1

- **Freelancer Portfolio**

**Title:** As a freelancer, I want to showcase my skills and projects by creating and managing a portfolio on the freelance platform.

**Story:** As a freelancer, I should be able to navigate to my profile and create a portfolio with the following steps:

- Log in to the freelance site.
- Navigate to my profile.
- Click on the "Portfolio" section.
- If no portfolio exists:
  - Fill in the required text fields.
  - Save the portfolio.

- If a portfolio already exists, view the existing portfolio.

**Acceptance Criteria:**

- I can log in to the freelance site using my credentials.
- I can navigate to my profile section.
- I can click on the "Portfolio" section to view or create a portfolio.
- If no portfolio exists, I can fill in the required text fields and save the portfolio.
- If a portfolio already exists, I can view the existing portfolio.

- **Admin Dashboard**

**Title:** As an admin user, I want access to a dedicated dashboard to efficiently manage and monitor the freelance platform.

**Story:** As an admin user, I should be able to log in with my credentials. Upon successful login, the system should redirect me to the Admin Dashboard, where I can perform the following tasks:

- Review and approve/reject freelancer profiles.
- Monitor and manage freelance projects.
- Oversee messaging activities between freelancers and clients.
- Track freelancer skill enhancement activities.
- Fetch and view analytics data from the backend.

**Acceptance Criteria:**

- I can log in using my admin credentials.
- Upon login, I am redirected to the Admin Dashboard.
- I can view a list of freelancer profiles awaiting approval.
- I can approve or reject freelancer profiles.
- I can view and manage ongoing freelancer projects.
- I can monitor messaging activities and provide necessary interventions.
- I can track skill enhancement activities of freelancers.
- I can fetch and view analytics data on the Admin Dashboard.

Phase – 2

- **Social Media Intergration**

**Title:** As an admin user, I want access to a dedicated dashboard to efficiently manage and monitor the freelance platform.

**Story:** As an admin user, I should be able to log in with my credentials. Upon successful login, the system should redirect me to the Admin Dashboard, where I can perform the following tasks:

- Review and approve/reject freelancer profiles.
- Monitor and manage freelancer projects.
- Oversee messaging activities between freelancers and clients.
- Track freelancer skill enhancement activities.
- Fetch and view analytics data from the backend.

**Acceptance Criteria:**

- I can log in using my admin credentials.
- Upon login, I am redirected to the Admin Dashboard.
- I can view a list of freelancer profiles awaiting approval.
- I can approve or reject freelancer profiles.
- I can view and manage ongoing freelancer projects.
- I can monitor messaging activities and provide necessary interventions.
- I can track skill enhancement activities of freelancers.
- I can fetch and view analytics data on the Admin Dashboard.

- User Feedback Form

**Title:** As a user, I want to seamlessly integrate and display my social media profiles on my profile page.

**Story:** As a user, I should be able to link and display my social media profiles with the following steps:

- Log in to the website.
- If a new user or incomplete profile, be redirected to the profile page.
- Click on "Add Social Media."
- Enter links for social media profiles.
- Click "Save."
- Be redirected back to the profile page with displayed social media icons.

**Acceptance Criteria:**

- I can log in to the website using my credentials.
- If a new user or incomplete profile, I am redirected to the profile page.
- I can click on "Add Social Media" to link my social media profiles.



- If no social media links exist, I can enter the links and save.
- After saving, I am redirected back to the profile page with displayed social media icons.

## 4.6.2 User Persona

Phase – 1

- **Freelancer Persona:**

**Name:** Imalka Kasun - Freelancer

**Background:**

- **Role:** Freelancer
- **Experience:** 3+ years as a freelance professional
- **Expertise:** Graphic Design and Photo Editing

**Goals:**

1. Showcase a diverse portfolio of completed projects.
2. Enhance visibility and attract potential clients.
3. Demonstrate a range of skills and expertise.
4. Utilize the platform to connect with clients and other freelancers.

**Challenges:**

- **Time Constraints:** Balancing project work with maintaining an updated portfolio.
- **Portfolio Creation:** Ensuring the portfolio accurately represents skills and achievements.

**Pain Points:**

1. **Balancing Act:**
  - *Challenge:* Juggling project deadlines while keeping the portfolio updated.
  - *Impact:* Imalka struggles to find time for portfolio maintenance, potentially affecting the attractiveness of the profile to potential clients.
2. **Representation Accuracy:**
  - *Challenge:* Ensuring the portfolio accurately reflects skills and achievements.
  - *Impact:* Imalka faces the difficulty of precisely showcasing the breadth and depth of expertise, potentially leading to a mismatch in client expectations.

- **Admin Persona:**

**Name:** Ravindu Bandara - Admin

**Background:**

- **Role:** Administrator
- **Experience:** 5+ years in administration and management
- **Responsibilities:** Oversees the freelancers' platform, ensuring smooth operations and fostering a positive user experience.

**Goals:**

1. Efficiently manage and approve freelancer profiles.
2. Monitor and coordinate freelance projects.

3. Enhance communication by overseeing messaging activities.
4. Track and encourage freelancer skill enhancement.
5. Utilize analytics data for informed decision-making.

**Challenges:**

- **Time Constraints:** Limited time to review and manage a growing number of freelancer profiles and projects.
- **Data Management:** Ensuring accurate and secure handling of data, particularly in the analytics domain.

**Pain Points:**

1. **Overwhelmed by Data Volume (Admin Dashboard):**
  - *Challenge:* Handling a growing number of freelancer profiles and projects.
  - *Impact:* Ravindu may find it challenging to manage and review a large volume of data efficiently, affecting the overall platform's quality control.
2. **Data Accuracy and Security (Admin Dashboard):**
  - *Challenge:* Ensuring accurate and secure handling of data, especially in the analytics domain.
  - *Impact:* Ravindu faces the risk of data inaccuracies or security breaches, which could compromise the integrity of the analytics-driven decision-making process.

Phase 2

**Name:** Sam Ediriweera - User

**Background:**

- **Role:** Regular User
- **Experience:** Varied experience using online platforms

**Goals:**

1. Connect and share information seamlessly on the platform.
2. Enhance profile visibility with social media links.
3. Engage with other users effectively.

**Challenges:**

- **Time Constraints:** Balancing platform engagement with other commitments.
- **Profile Enhancement:** Ensuring the profile is attractive and informative.

**Pain Points:**

1. **Time Management:**
  - *Challenge:* Juggling platform engagement with other daily commitments.
  - *Impact:* Alex finds it challenging to allocate dedicated time for enhancing the profile, potentially affecting the effectiveness of engagement.

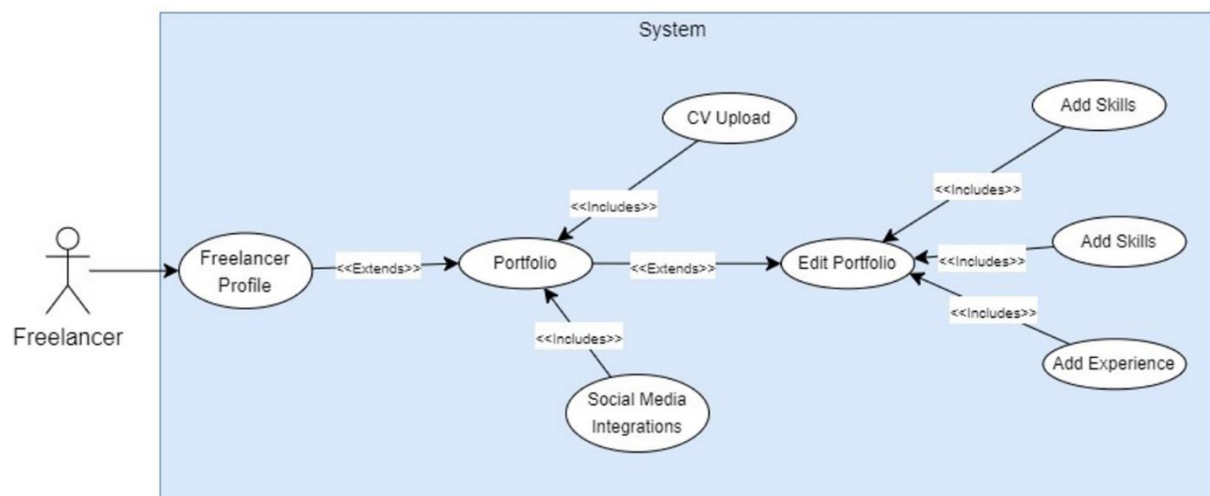
## 2. Profile Visibility:

- *Challenge:* Ensuring the profile is attractive and informative.
- *Impact:* Alex faces the difficulty of optimizing the profile to attract and engage with other users effectively.

### 4.6.3 Use Case Diagrams

Phase – 1

- **Freelancer Portfolio**



Primary Actor:

- User (Freelancer): Initiates the process of creating and viewing their portfolio.

Preconditions:

- The user is logged into the freelance site.
- The user has already navigated to the homepage.

Basic Flow:

1. The user changes their status to a Freelancer.
2. The user navigates to their profile.
3. The user clicks on the "Portfolio" section.
4. The backend fetches portfolio data.
  - If no portfolio exists:
    - i. The user fills in the required text fields.
    - ii. The user saves the portfolio.

Extensions:

- No Portfolio Exists:
  - If the backend fetches no portfolio data:
    - iii. The system displays empty text fields for the user to fill.
    - iv. The user saves the portfolio.

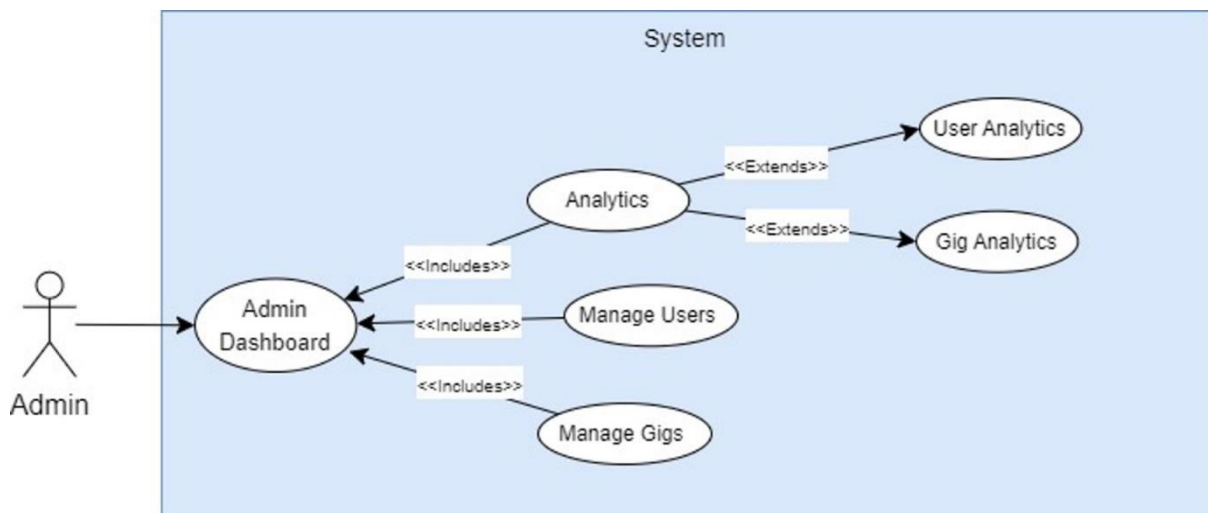
Postconditions:

- The user's portfolio is created and saved.

Optional Information:

- Text Fields:
  - Specify the required and optional text fields for the portfolio.

### • Admin Dashboard



Primary Actor:

- User (Freelancer): Initiates the login process.

Preconditions:

- The user is not currently authenticated.

Basic Flow:

5. The user enters their login credentials.
6. The system validates the credentials.

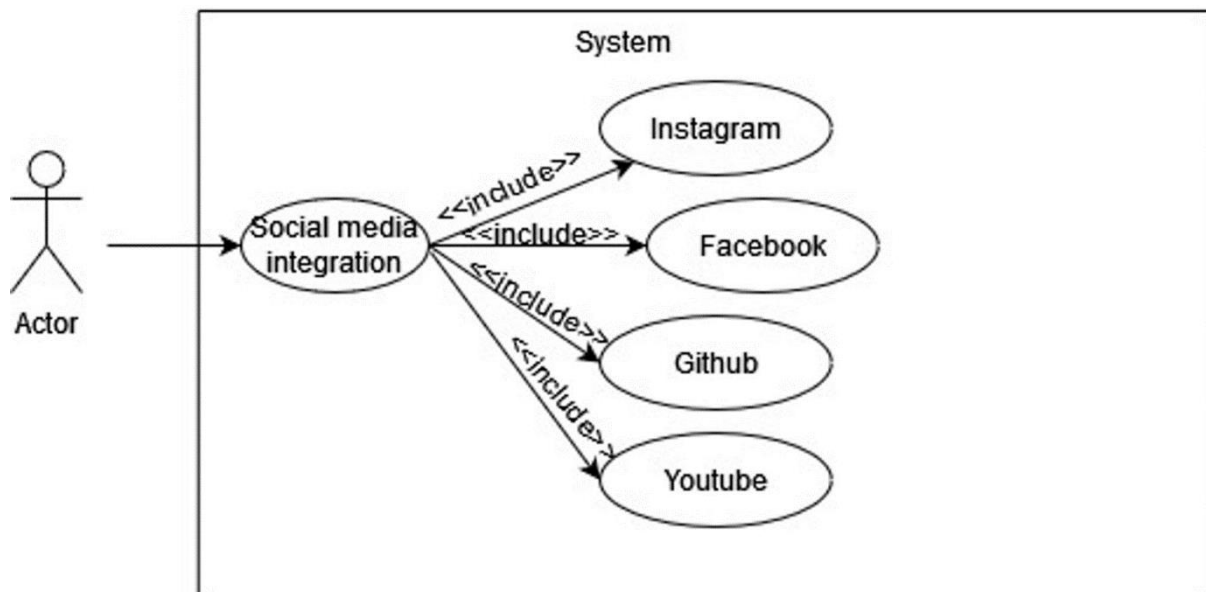
- If the credentials are valid:
    - The user is redirected to the Admin Dashboard.
  - If the credentials are invalid:
    - An error message is displayed.
    - Options are provided to login again or cancel.
  - If the user is not an admin:
    - The user is redirected to the homepage for buyers and freelancers.
7. The Admin Dashboard initiates the request to fetch analytics.
  8. The system retrieves analytics data from the backend.
  9. The Admin Dashboard displays the analytics on the front end.

Extensions:

- Invalid Credentials:
  - If the user enters invalid credentials:
    - i. The system displays an error message.
    - ii. Options are provided to:
      - Retry login.
      - Cancel and return to the homepage.
- Backend Unavailable:
  - If the backend is unavailable during analytics retrieval, the Admin Dashboard displays an error message.

Postconditions:

- If successful, the user is redirected to the Admin Dashboard, and analytics data is displayed.
- **Social Media Integration**



Primary Actor:

- User: Initiates the process of linking and displaying social media profiles in their profile.

Preconditions:

- The user is logged into the website.
- The user has navigated to the profile page.

Basic Flow:

10. The user is redirected to the profile page (if new user or incomplete profile).

11. The user clicks on "Add Social Media."
12. User enters links for social media profiles.
13. User clicks "Save."
14. Users are redirected back to the profile page with displayed social media icons.

Extensions:

- Existing User (No Redirect):
  - a. The user manually navigates to the profile page.
- No Social Media Links:
  - b. If the user hasn't added social media links:
    - The system displays empty fields for the user to fill.
    - The user saves the social media links.

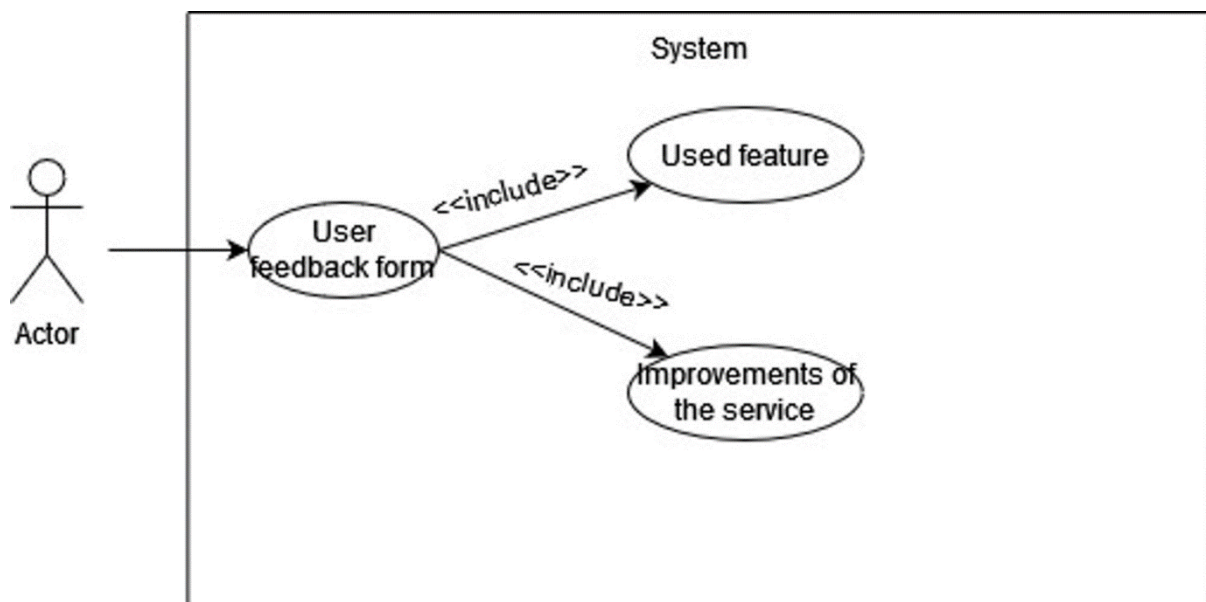
Postconditions:

- Social media links are saved and displayed on the user's profile.

Optional Information:

- Social Media Icons:
  - Specify the social media platforms/icons available for linking.

- **User Feedback Form**



Actors :

- **User (Actor):** The user is an external actor who interacts with the system.
- **Administrator (Actor):** An individual who can view the feedback forms.

Preconditions:

- The user is logged into the website.
- user has accessed the feedback form.

Basic Flow:

15. User fills out the feedback form.

16. User clicks on the "Submit" button.
17. System receives and processes the feedback.
18. System stores the feedback.

**Postconditions:**

- User feedback is successfully submitted and stored.

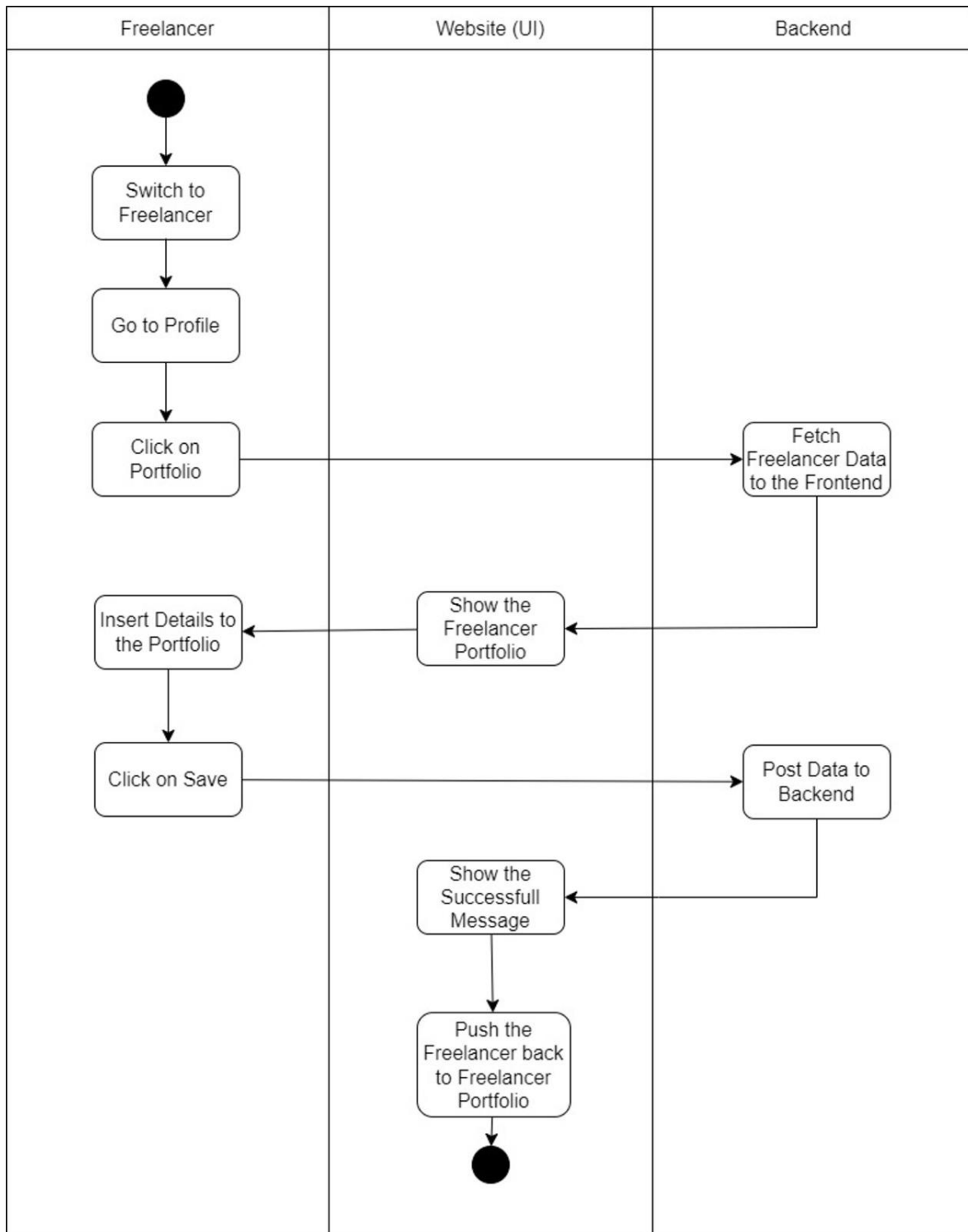
**Extensions:**

- **Display Thank You Message (<<extends>>):**
  - Condition: After submitting the feedback.
  - Action: The system displays a thank you message to the user.
- **Send Confirmation Email (<<extends>>):**
  - Condition: After submitting the feedback.
  - Action: The system sends a confirmation email to the user

## 4.6.4 Activity Diagrams

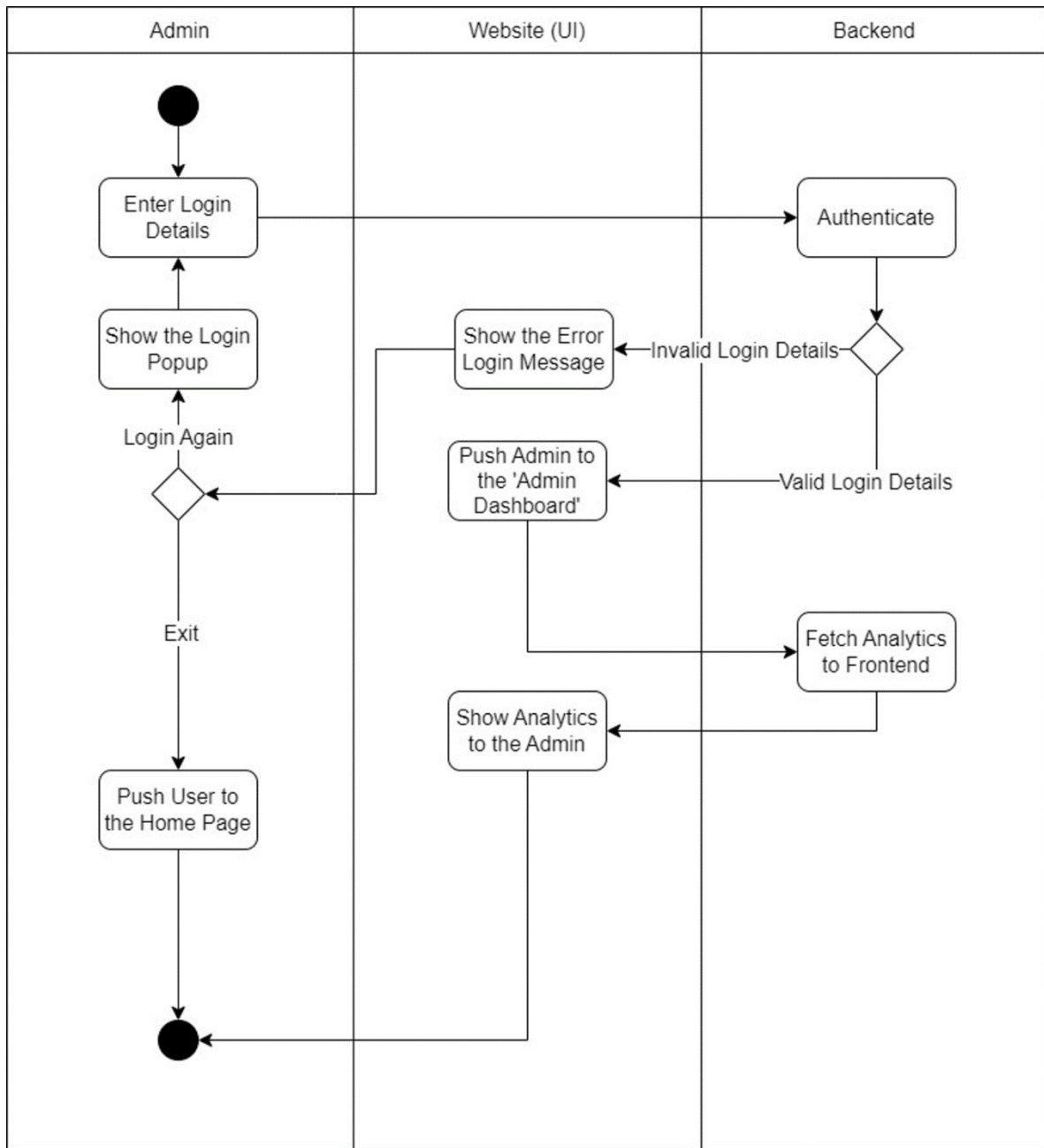
Phase – 1

- **Freelancer Portfolio**

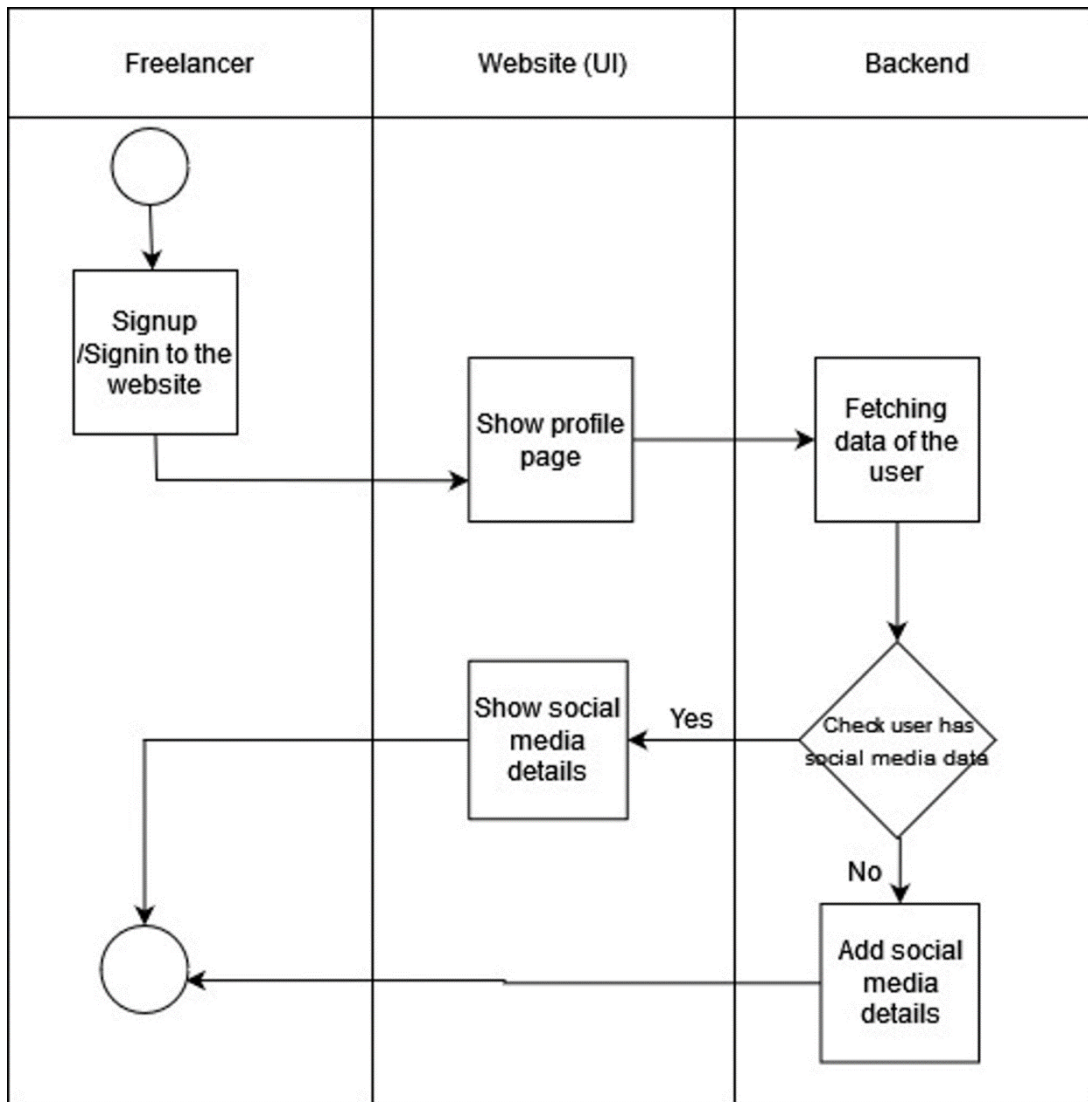


- **Admin Dashboard**

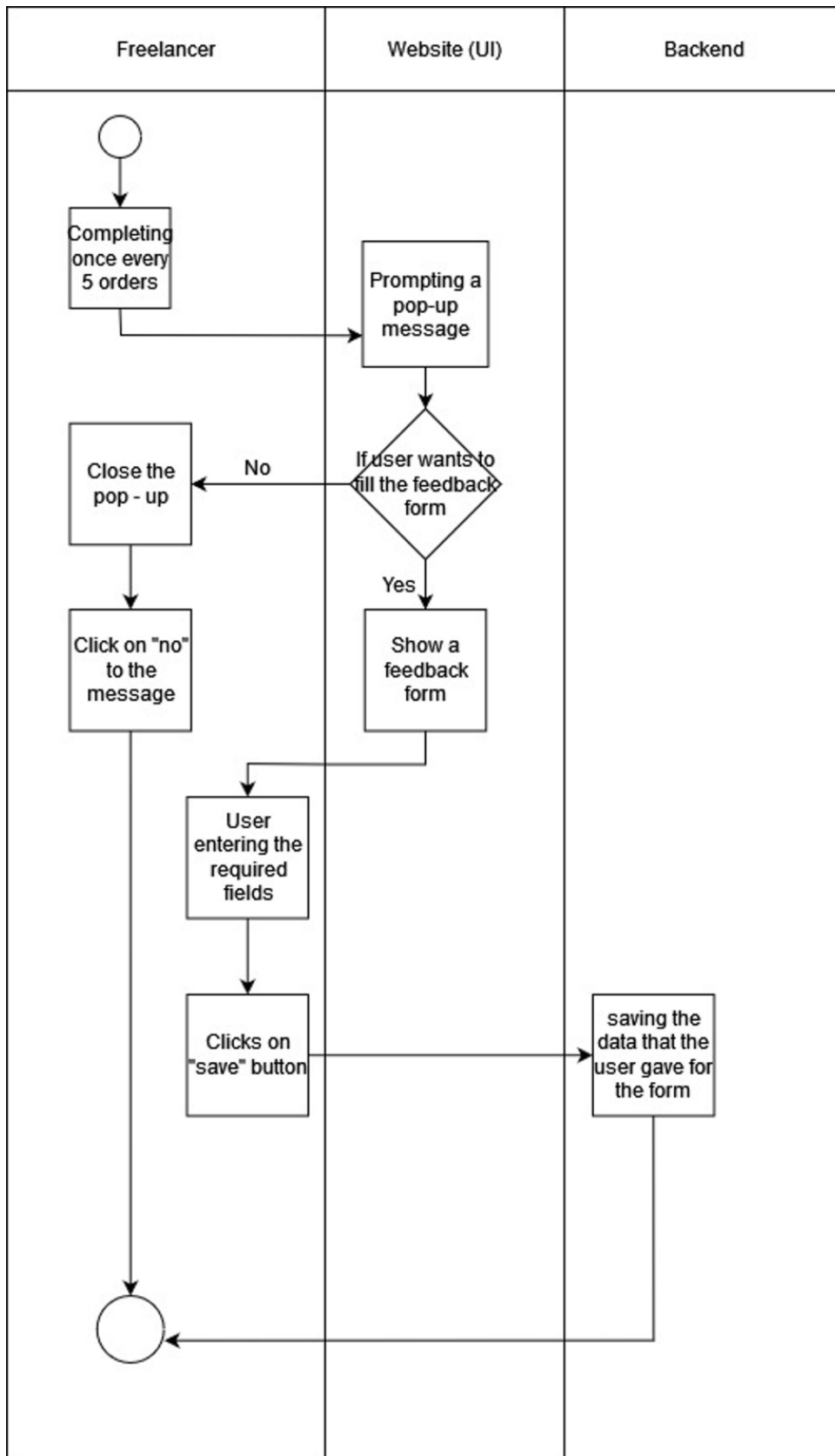




- **Social Media Integration**



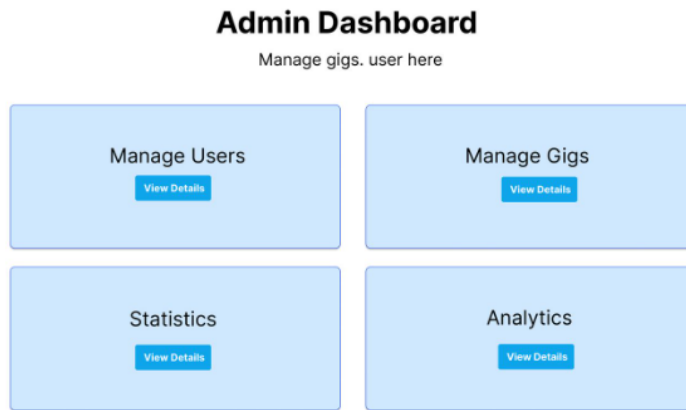
- **User Feedback Form**



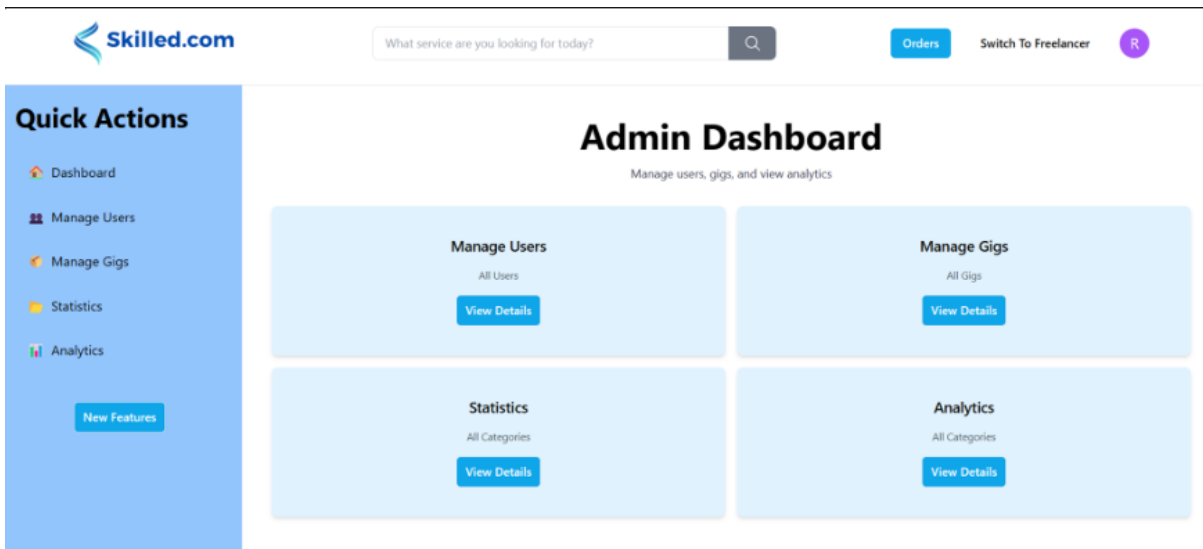
## 4.7 Solution Design (Wireframe / Interfaces)

Admin Dashboard

- Desing



- Implementation



## Manage Gigs


- Design

## All your gigs

Name	Category	Price (LKR)	Delivery time		
Table Cell	Table Cell	Table Cell	Table Cell	<a href="#">Edit</a>	<a href="#">Delete</a>

- Implementation

---

QOrdersSwitch To FreelancerR

---

### All your Gigs

NAME	CATEGORY	PRICE (LKR)	DELIVERY TIME		
I will create your WordPress website for \$100	Programming & tech	10000	2	<a href="#">Edit</a>	<a href="#">Delete</a>
Tetug	Writing & Translation	1500	1	<a href="#">Edit</a>	<a href="#">Delete</a>
I will Design your logo for your new business	Graphic Design	1800	1	<a href="#">Edit</a>	<a href="#">Delete</a>

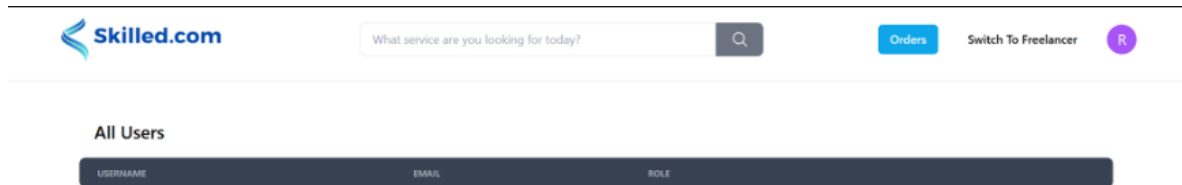
## Manage Users

- Desing

## All Users

UserName	Role	Email		
Table Cell	Table Cell	Table Cell	Edit	Delete

- Implementation



## Create Portfolio

- Desing

## Create Portfolio

Upload your cv

Upload Cover Photo

Description

Skills

Submit Portfolio

- Implementation



What service are you looking for today?



Orders

Switch To Freelancer



## Create Portfolio

Upload your CV

Choose File No file chosen

Upload Cover Photo

Choose File No file chosen

About Section

Write a brief description about yourself...

Skills

Web Development, Design, SEO, ...

Submit Portfolio

Freelancer Portfolio

- Desing

---

## Seller Portfolio



### About Me



Skill - 1

[View Details](#)

Skill - 2

[View Details](#)

Skill - 3

[View Details](#)

Skill - 4

[View Details](#)


[View My CV](#)


- Implementation



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## Seller Portfolio





### About Me

Hi there! I'm passionate about creating digital experiences that captivate and inspire.

With a blend of creativity and technical expertise, I bring ideas to life in the digital realm. My journey involves constant learning, exploring new technologies, and staying updated with industry trends.

I believe in the power of collaboration and strive to create solutions that not only meet but exceed expectations.

#### WordPress Developer

Description 1

[View Details](#)

#### UI/UX Expert

Description 2

[View Details](#)

#### Content Writer

Description 2

[View Details](#)

#### Social Media Manager

Description 2

[View Details](#)

[View My CV](#)

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### Admin Portfolio with Social media links

- Implementation

Select a profile Picture



Please select a username

Please enter your full Name

Description

Facebook link

Instagram link

Github link

Youtube link

[Save Profile](#)

## User Feedback Form

- Implementation

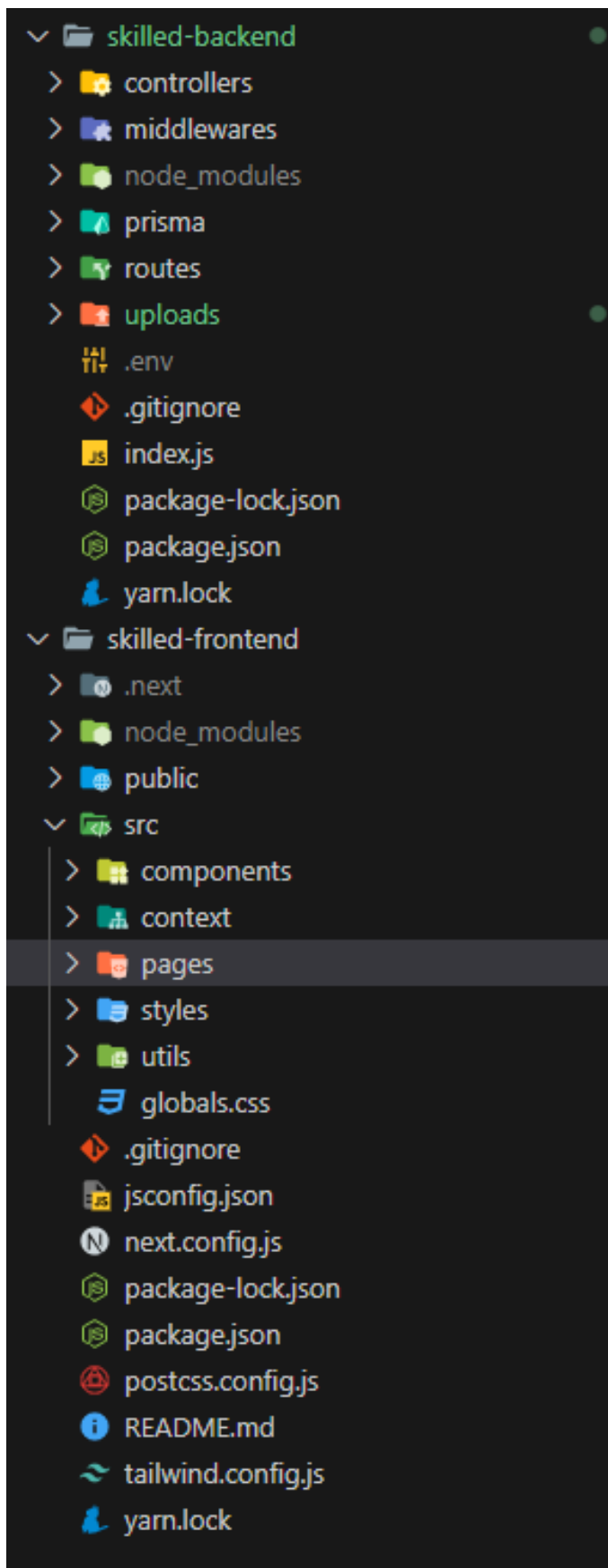
We'd love to hear from you!

### Feedback Form

Feedback:

[Submit](#)

## 4.8 Vs Code Folder Structure



## 4.9 Test Cases

### 4.9.1 Test Logs – 1<sup>st</sup> Half

#### Admin Dashboard (Manage Users)

- Verify that when user enters login credentials, and if validated, they are redirected to the admin dashboard.
- Verify that administrators can view and manage a list of gigs when the "View details" button under "Manage Users" is clicked.
- Verify that administrators can delete a user: when the "Delete" button is clicked a delete pop up appears to confirm or cancel deletion

#### Admin Dashboard (Manage Gigs)

- Verify that when user enters login credentials, and if validated, they are redirected to the admin dashboard.
- Verify that administrators can view and manage a list of gigs when the "View details" button under "Manage Gigs" is clicked.
- Verify that administrators can delete a gig: when the "Delete" button is clicked a delete pop up appears to confirm or cancel deletion

#### Admin Portfolio

- **Verify Admin Can Upload a Cover Photo, and after creating a profile, it should be visible to other users on the platform, enhancing the visual representation of the profile.**
- **Verify Admin Can Upload a CV.**
- **Verify Admin Can Add Information to the About Section.**
- **Verify Admin Can Add Skills to the Portfolio.**
- **Verify Admin Can Edit and Update Portfolio Information.**
- **Verify that the system prompts the admin to complete all mandatory fields before allowing the profile creation. An error message should be displayed if any required field is left blank.**
- **Verify that after creating a profile, it should be visible to other users on the platform, enhancing the visual representation of the profile**

### 4.9.2 Functional Testing

#### Admin Dashboard (Manage Users)

TEST CASE ID	TEST CASE TITLE	TEST CASE DESCRIPTION	PRE-CONDITIONS	TEST STEPS	TEST DATA	EXPECTED RESULTS	ACTUAL RESULTS	STATUS	PRIORITY
TCAD01	Admin Login and Dashboard Redirection	Verify that the admin user can successfully log in with valid credentials and is redirected to the Admin Dashboard.	The user is currently not logged in. The admin user credentials are available (pre registered).	1. Enter valid admin username and password. 2. Submit the log in form 3. Verify the redirection to the Admin Dashboard.	Admin credentials: Accurate username and password	The system is expected to validate the credentials and, if they are valid, redirect the user to the Admin Dashboard.	Upon validation of the credentials, the system successfully redirects the user to the Admin Dashboard when the credentials are valid	Success	High
TCAD02	Administrator's Management of Users via "View Details" under "Manage Users"	This test case ensures that administrators can access detailed information about users associated with a user when the "View Details" button under "Manage Users" is clicked. The test also validates the ability to manage users for the specified user and view details such as Username, email and role	The administrator is logged in. There is at least one user with associated gigs in the system.	1. Navigate to the Admin Dashboard. 2. Click on the "Manage Users" section. 3. Choose a user from the list. 4. Click on the "View Details" button for the selected user. 5. Review the details associated with the user. 6. Perform actions to manage gigs (e.g., approve, reject, edit) from the user details page.	Valid admin username and password. User with relevant data saved in the backend database.	Upon navigating to the Admin Dashboard, administrators should observe a list of users within the "Manage Users" section. After selecting a specific user and clicking the "View Details" button, the expectation is to see comprehensive information about the user such as Username, email and role	Upon navigating to the Admin Dashboard and accessing the "Manage Users" section, administrators observe a list of users. However, after selecting a specific user and clicking the "View Details" button, the actual outcome is that comprehensive information about the user, such as Username, email, and role, is not displayed as expected.	Success	High
TCAD03	Administrator User Deletion with Confirmation Pop-up Verification	This test case verifies that administrators can initiate the deletion of a user, validates the appearance of a confirmation pop-up when clicking the "Delete" button, and it confirms that the user's successfully deletion upon selecting the confirmation of deletion.	The administrator is logged into the Admin Dashboard. There is at least one user account available for deletion.	1. Navigate to the "Manage Users" section on the Admin Dashboard. 2. Identify a user account to delete and click on the "Delete" button next to the user's details. 3. A confirmation pop-up appears, asking the administrator to confirm or cancel the deletion. 4. Click on the "Confirm" button on the deletion pop-up. 5. Attempt to log in using the deleted user's credentials.	Valid administrator username and password (Logged in state) User account available for deletion.	Navigate to the "Manage Users" section. Identify a user account for deletion. Click the "Delete" button. A confirmation pop-up should appear with options to confirm or cancel the deletion. Upon confirming the deletion, the user account should be removed from the system entirely. Attempting to log in using the deleted user's credentials should result in denied access.	Navigate to the "Manage Users" section. Identify a user account for deletion. Click the "Delete" button. A confirmation pop-up appears with options to confirm or cancel the deletion. Upon confirming the deletion, the user account is successfully removed from the system. Attempting to log in using the deleted user's credentials results in denied access, signaling the successful deletion of the user account.	Success	High

## Admin Dashboard (Manage Gigs)

TCMG03	Administrator Gigs Deletion with Confirmation Pop-up Verification	This test case verifies that administrators can initiate the deletion of a gig, validates the appearance of a confirmation pop-up when clicking the "Delete" button, and it confirms that the gigs successfully deletion upon selecting the confirmation of deletion.	The administrator is logged into the Admin Dashboard. There is at least one gig available for deletion.	1. Navigate to the "Manage Gigs" section on the Admin Dashboard. 2. Identify a gig to delete and click on the "Delete" button next to the gigs details. 3. A confirmation pop-up appears, asking the administrator to confirm or cancel the deletion. 4. Click on the "Confirm" button on the deletion pop-up.	Valid administrator username and password (Logged in state) At least one gig available for deletion.	Navigate to the "Manage Gigs" section. Identify a gig for deletion. Click the "Delete" button. A confirmation pop-up should appear with options to confirm or cancel the deletion. Upon confirming the deletion, the gig should be removed from the system entirely.	Navigate to the "Manage Gigs" section. Click the "Delete" button. A confirmation pop-up appears with options to confirm or cancel the deletion. Upon confirming the deletion, the gig is successfully removed from the system.	Success	High
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## Admin Portfolio

TEST CASE ID	TEST CASE TITLE	TEST CASE DESCRIPTION	PRE-CONDITIONS	TEST STEPS	TEST DATA	EXPECTED RESULTS	ACTUAL RESULTS	STATUS	PRIORITY
TCAP01	Verify Admin Cover Photo Visibility	This test case validates that an admin can successfully upload a cover photo during profile creation. Subsequently, after completing the profile, the cover photo should be visible to other users on the platform, enhancing the visual representation of the admin's profile.	Admin is logged into the platform. The admin is in the process of creating a profile.	1.Admin navigates to the profile creation section. 2.Admin uploads a cover photo. 3.Admin completes the profile creation process. 4.Save and submit the profile.	Valid image file for the cover photo.	The cover photo is successfully uploaded and processed. After profile creation, the admin's profile is visible to other users, displaying the enhanced visual representation with the uploaded cover photo.	The cover photo has been successfully uploaded.	Success	Medium
TCAP02	Verify Successful CV Upload	This test case validates the functionality of allowing an admin to upload a CV in the "Admin Portfolio" feature. It ensures that the system appropriately processes and stores the CV file for display in the admin's portfolio.	Admin is logged into the platform, and the portfolio creation page is accessible.	Navigate to the "Admin Portfolio" creation page. Locate the section for uploading a CV. Upload a valid CV file. Save the changes to the portfolio.	A sample CV file in an acceptable format (e.g., PDF, Word).	The CV upload process is expected to be successful, with the system processing and associating the CV with the admin's portfolio. Upon saving the changes, the CV should be visibly displayed in the portfolio, contributing to the completeness of the admin's profile.	The CV is successfully uploaded, processed, and associated with the admin's portfolio. Upon saving the changes, the CV is visibly displayed in the portfolio, enhancing the completeness of the admin's profile.	Success	High
TCAP03	Verify Admin Can Add Information to the About Section	This test case ensures that administrators have the capability to add information to the "About" section of their portfolio, providing a detailed description of their professional background and skills.	The admin is logged into the system. The admin has navigated to the portfolio editing section.	Navigate to the "About" section within the portfolio editing interface. Enter relevant information, such as professional background, skills, and other details. Save the changes to the "About" section.	Admin's professional background, skills, and other relevant information.	Upon completion of the test steps, the information entered in the "About" section is successfully saved, and the system displays the updated details in the admin's portfolio.	The information entered in the "About" section has been successfully saved, and the updated details are displayed in the admin's portfolio as expected. The test case passes.	Success	Medium
TCAP04	Verify Admin Can Add Skills to the Portfolio	This test case ensures that administrators can successfully add skills to their portfolios, providing a comprehensive representation of their abilities.	Admin is logged into the Admin Dashboard. The admin is on the portfolio creation/editing page.	Navigate to the section for adding skills within the portfolio. Enter relevant skills into the designated input field. Save the changes to the portfolio.	Valid admin username and password. Various skills relevant to the admin's profile.	Upon completing the steps, the system should successfully save the added skills to the admin's portfolio, reflecting an enriched representation of their skill set.	The admin was able to add skills to the portfolio successfully, and the added skills are visible on the admin's portfolio page.	Success	Medium
TCAP05	Verify Admin Can Edit and Update Portfolio Information	This test case validates the functionality of allowing administrators to edit and update their portfolio information.	The administrator is logged into the system. The administrator has an existing portfolio.	Navigate to the "Edit Portfolio" section on the Admin Dashboard. Modify existing information, such as the cover photo, CV, "About" section, or skills. Save the changes made to the portfolio.	Valid administrator credentials. Existing portfolio information to be edited.	Upon successful completion of the test steps, the system should save the modifications made by the administrator, and the updated portfolio information should be reflected in the system.	The administrator navigated to the "Edit Portfolio" section, successfully modified the existing information, and saved the changes. The system processed the updates promptly, and the administrator's portfolio now displays the edited information, confirming that the test case was successful.	Success	High
TCAP06	Verify Mandatory Fields Completion Prompt and Error Message	This test case ensures that the system prompts the admin to complete all mandatory fields before allowing profile creation. An error message should be displayed if any required field is left blank	Admin is logged into the profile creation interface.	1.Admin initiates the profile creation process. 2.Attempts to submit the profile without completing all mandatory fields.	Valid admin credentials.	The system prompts the admin to complete all mandatory fields and displays an error message indicating the specific fields that need completion.	The system successfully prompts the admin to fill in all mandatory fields and displays an error message, confirming that the expected result is achieved.	Success	High
TCAP06	Verify Mandatory Fields Completion Prompt and Error Message	This test case ensures that the system prompts the admin to complete all mandatory fields before allowing profile creation. An error message should be displayed if any required field is left blank	Admin is logged into the profile creation interface.	1.Admin initiates the profile creation process. 2.Attempts to submit the profile without completing all mandatory fields.	Valid admin credentials.	The system prompts the admin to complete all mandatory fields and displays an error message indicating the specific fields that need completion.	The system successfully prompts the admin to fill in all mandatory fields and displays an error message, confirming that the expected result is achieved.	Success	High
TCAP07	Verify Profile Visibility on Platform	This test case ensures that after an admin creates a profile, it becomes visible to other users on the platform, enhancing the visual representation of the admin's profile.	Admin is logged into the platform. Admin has completed all mandatory fields while creating the profile.	Admin creates a profile by providing all required information. Admin saves the profile, completing the creation process.	Admin's profile information.	After the profile creation, it should be visible to other users on the platform, contributing to an enhanced visual representation of the admin's profile.	Upon completion of the test steps, the admin's profile is successfully visible to other users on the platform, achieving the expected result.	Success	High

## 4.6.3 Requirement Testing

### Admin Dashboard

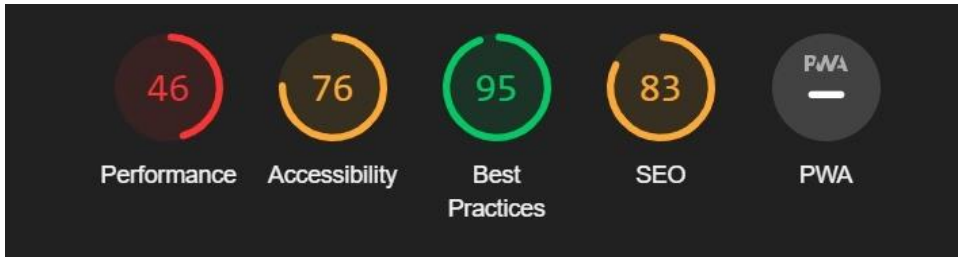
TEST ID	Requirement	Requirement: Description	Test Scenario	Acceptance criteria	Status
RT0001	<b>Efficient Management of Freelancer Profiles</b>	The Admin Dashboard should facilitate efficient management and viewing of freelancer profiles	Ravindu uses the Admin Dashboard to review and approve/reject freelancer profiles, assessing the efficiency and ease of the process.	Ravindu successfully reviews and approves/rejects freelancer profiles within a reasonable time, indicating efficient profile management.	Success
RT0002	<b>Efficient Deletion of Freelancer Profiles</b>	The Admin Dashboard should facilitate efficient deletion of freelancer profiles	Ravindu uses the Admin Dashboard to view and delete freelancer profiles, assessing the efficiency and ease of the process.	Ravindu successfully deletes freelancer profiles within a reasonable time, indicating efficient profile management.	Success

## Admin Portfolio

TEST ID	Requirement	Requirement: Description	Test Scenario	Acceptance criteria	Status
RFP001	<b>Portfolio Showcase</b>	The platform should allow freelancers to showcase a diverse portfolio of completed projects	<i>Imalka Kasun</i> uploads multiple projects with various styles and types to assess the platform's capability to showcase diversity	The platform displays <i>Imalka Kasun's</i> uploaded projects in a visually appealing and <u>organized</u> manner	Success
RFP002	<b>Visibility Enhancement</b>	The platform should provide features that enhance the visibility of freelancers' profiles.	<i>Imalka Kasun</i> utilizes platform features like tags, categories, and keywords to assess the effectiveness of these features in improving profile visibility.	<i>Imalka Kasun's</i> profile gains increased visibility after implementing tags, categories, and keywords.	Success
RFP003	<b>Skills Demonstration</b>	Freelancers should be able to demonstrate a range of skills and expertise.	<i>Imalka Kasun</i> adds a variety of skills to the portfolio, including graphic design and photo editing, to verify the system's ability to showcase a diverse skill set.	The portfolio accurately reflects <i>Imalka Kasun's</i> graphic design and photo editing skills.	Success
RFP004	<b>Time Management Support</b>	The platform should support freelancers in managing time constraints.	<i>Imalka Kasun</i> tests time-saving features such as quick project uploading, template usage, or integration with external project management tools.	<i>Imalka Kasun</i> experiences a reduction in the time required for portfolio maintenance using the platform's time-saving features.	Success
RFP005	<b>Accurate Portfolio Representation</b>	• The platform should ensure that portfolios accurately reflect skills and achievements.	<i>Imalka Kasun</i> updates the portfolio and checks for features like version history or edit tracking to guarantee accuracy in representation.	The platform maintains a clear version history of <i>Imalka Kasun's</i> portfolio edits, ensuring accurate representation	Success

### 4.6.7 Lighthouse and wave testing

#### Admin Dashboard



**WAVE** powered by [WebAIM](#)  
web accessibility evaluation tool

Styles: OFF  ON

### Summary

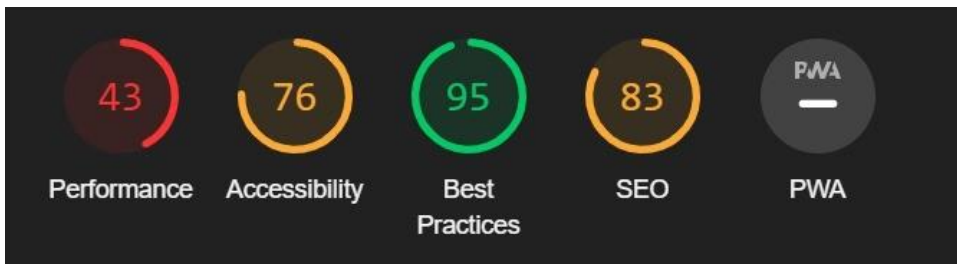
Summary | Details | Reference | Order | Structure | Contrast

9 Errors	7 Contrast Errors
11 Alerts	1 Features
14 Structural Elements	1 ARIA

[View details >](#)

Admin Portfolio





The screenshot shows the WAVE web accessibility evaluation tool interface. At the top, it says "WAVE web accessibility evaluation tool" and "powered by WebAIM". Below that is a toggle for "Styles: OFF ON". The main section is titled "Summary" and contains a navigation bar with icons for Summary, Details, Reference, Order, Structure, and Contrast. The summary area displays six categories of issues: Errors (9), Contrast Errors (7), Alerts (14), Features (1), Structural Elements (13), and ARIA (1). A "View details" button is at the bottom.

Category	Count
Errors	9
Contrast Errors	7
Alerts	14
Features	1
Structural Elements	13
ARIA	1

## 4.6.8 Non-Functional Testing

Login Authentication

Requirement	Description	Pre-conditions	Test steps	Test Data	Expected result	Actual results	Status	Priority
<b>Security : Login Authentication</b>	This test case focuses on evaluating the security aspects of the login authentication system on the "Skilled.com" website. The objective is to ensure that the login process is robust and protects user accounts from unauthorized access.	The website is operational, and the login functionality is accessible. No known security vulnerabilities exist in the current system.	<ol style="list-style-type: none"> <li>1.Attempt to login with a valid username and an incorrect password.</li> <li>2.Attempt to login with a valid password and an incorrect username.</li> <li>3.Attempt to login with both username and password left blank.</li> <li>4.Attempt to login with a valid username and password.</li> <li>5.Attempt to login with a valid username but an empty password field.</li> <li>6.Attempt to login with a valid password but an empty username field.</li> <li>7.Attempt to login with a combination of special characters, numbers, and uppercase/lowercase letters in both</li> </ol>	<p>Valid username: anummirshad2002</p> <p>Valid password: 1234ABC# (contains a mix of uppercase, lowercase, numbers, and special characters)</p>	<ol style="list-style-type: none"> <li>1.The system should deny access and display an error message for an invalid password.</li> <li>2.The system should deny access and display an error message for an invalid username.</li> <li>3.The system should deny access and display an error message for both fields being blank.</li> <li>4.The system should grant access and redirect the user to the appropriate dashboard.</li> <li>5.The system should deny access and display an error message for an empty password field.</li> <li>6.The system should deny access and display an error message for an empty username field.</li> <li>7.The system should handle the combination of characters securely, granting access only for the correct username and password combination.</li> </ol>	<ol style="list-style-type: none"> <li>1.The system denies access and displays an error message for an invalid password.</li> <li>2.The system denies access and displays an error message for an invalid username.</li> <li>3.The system denies access and displays an error message for both fields being blank.</li> <li>4.The system grants access and redirects the user to the appropriate dashboard.</li> <li>5.The system denies access and displays an error message for an empty password field.</li> <li>6.The system denies access and displays an error message for an empty username field.</li> <li>7.The system handles the combination of characters securely, granting access only for the correct username and password combination.</li> </ol>	Success	High

## 4.6.9 Functional Testing

### Social media Intergration

#### Test Case 1: Add social media accounts

- **Preconditions:** Freelancer is logged in.
- **Steps:**
  1. Navigate to the profile editing section.
  2. Locate the "Social Media" section.
  3. Add valid links to social media accounts (e.g., Facebook, Instagram).
  4. Save the changes.
- **Expected Outcome:** Social media links are saved to the freelancer's profile.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Test Results	Status	Priority	Severity
SC01	Successfully Add Social Media Accounts	<ol style="list-style-type: none"><li>1. Log in to the platform as a freelancer.</li><li>2. Navigate to the profile settings.</li><li>3. Add social media links.</li><li>4. Save the changes.</li></ol>	Valid social media profile URLs	Social media links are successfully added to the profile.	Social media links were successfully added to the profile.	Pass	High	Low

#### Test Case 2: Validate Social Media Links

- **Preconditions:** Social media links are added to the profile.
- **Steps:**
  1. View the freelancer's profile.
  2. Click on each social media link.
- **Expected Outcome:** The links open the respective social media profiles without errors.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Test Results	Status	Priority	Severity
SC02	Validate Social Media Links	<ol style="list-style-type: none"><li>1. View the freelancer's profile.</li><li>2. Click on each social media link.</li></ol>	Valid social media links	The respective social media profiles open in new tabs.	The social media links provided in the profile are valid and lead to the respective social media accounts.	Pass	Medium	Low

#### Test Case 3: Social Media Accounts

- **Preconditions:** Freelancer has added social media accounts.
- **Steps:**
  1. Navigate to the profile editing section.
  2. Locate the "Social Media" section.
  3. Remove all social media links.
  4. Save the changes.
- **Expected Outcome:** Social media links are removed from the freelancer's profile.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Test Results	Status	Priority	Severity
SC03	Remove Social Media Accounts	1. Log in to the platform as a freelancer. 2. Navigate to the profile settings. 3. Remove social media links. 4. Save the changes.	N/A	Social media links are successfully removed from the profile.	The user's social media accounts have been successfully removed from the profile, and the profile no longer displays any associated social media links.	Pass	High	Low

#### Test Case:4 Edit social media accounts

- **Preconditions:** User has existing social media accounts added to their profile.
- **Steps:**
  1. Navigate to the profile sections
  2. Locate the section for managing social media accounts
  3. Modify the necessary information or link for the social media accounts
  4. Save the changes.
- **Expected Outcome:** The system should successfully update the information for the edited social media account.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Test Results	Status	Priority	Severity
SC04	Edit Social Media Accounts	1. Navigate to the profile settings.	Existing social media account links.	The user should be able to navigate to the social media account editing section.	Successfully makes changes to their existing social media accounts.	Pass	High	Low

#### User Feedback Form

##### Test Case:1 Submit Feedback

- **Preconditions:** User (Freelancer/Buyer) is logged in.
- **Steps:**
  5. Navigate to the feedback submission section.
  6. Select the target user (Freelancer/Buyer) to provide feedback.
  7. Fill out the feedback form.
  8. Submit the form.
- **Expected Outcome:** Feedback is successfully submitted.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Test Results	Status	Priority	Severity
UF01	Submit Feedback	1. Log in to the platform as a user. 2. Navigate to the feedback form. 3. Fill in the form with valid feedback. 4. Submit the form.	Valid feedback content	Feedback is successfully submitted.	The user successfully accesses the feedback submission form, and the user inputs their feedback in the provided text field.	Pass	High	Low

##### Test Case 2: Validate Feedback

- **Preconditions:** Feedback has been submitted.
- **Steps:**

- View the recipient's profile.
- Check the feedback section.
- **Expected Outcome:** The submitted feedback is displayed on the recipient's profile.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Test Results	Status	Priority	Severity
UF02	Validate Feedback	1. View the submitted feedback.	Feedback ID: XYZ123 Feedback Content: "The platform is user-friendly and efficient."	Submitted feedback is correctly displayed.	The system successfully retrieves and displays the submitted feedback with the specified Feedback ID and content. The displayed information matches the data submitted by the user during the feedback submission process.	Pass	Medium	Low

### Test Case 3: Edit Submitted Feedback

- **Preconditions:** Feedback has been submitted.
- **Steps:**
  11. Navigate to the feedback editing section.
  12. Locate the submitted feedback.
  13. Edit the feedback.
  14. Save the changes.
- **Expected Outcome:** The feedback is successfully edited and updated.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Test Results	Status	Priority	Severity
UF03	Edit Submitted Feedback	1. Log in to the platform as a user. 2. Navigate to the feedback form. 3. Edit the previously submitted feedback. 4. Submit the form.	Existing Feedback ID: ABC789 Original Feedback Content: "The platform is user-friendly and efficient." Edited Feedback Content: "I encountered a minor issue, but overall, the platform is user-friendly and efficient."	The system successfully updates the feedback content for the specified Feedback ID. The displayed feedback now reflects the edited content: "I encountered a minor issue, but overall, the platform is user-friendly and efficient."	The system accurately reflects the edited feedback content, and the changes are saved successfully.	Pass	Medium	Low

### Test Case 4: Delete Submitted Feedback

- **Preconditions:** Feedback has been submitted.
- **Steps:**
  15. Navigate to the feedback editing section.
  16. Locate the submitted feedback.

- 17. Delete the feedback.
- 18. Save the changes.
- **Expected Outcome:** The feedback is successfully deleted and removed.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Test Results	Status	Priority	Severity
UF04	Delete Submitted feedback	<ol style="list-style-type: none"> <li>1. Navigate to the section for deleting submitted feedback.</li> <li>2. Locate the feedback with the Feedback ID: XYZ123.</li> <li>3. Click on the "Delete" option.</li> <li>4. Confirm the deletion when prompted.</li> </ol>	Existing Feedback ID: Existing Feedback Content: "The communication with the freelancer was excellent, and the project was completed on time."	The system successfully deletes the feedback associated with the specified Feedback ID. The deleted feedback is no longer visible in the user's feedback history.	The system accurately deletes the feedback	Pass	Medium	Low

#### 4.6.10 Automated Integrational Testing

Let's break down the flow of the automated testing script and discuss the aspects of testing that each section covers:

##### Navigate to the Website:

- Open the Chrome browser and navigate to the specified URL ("<http://localhost:3000>").

##### Sign In:

- Click on the "Sign In" button.
- Enter a valid email and password.
- Click on the "Continue" button.
- This section covers testing aspects related to user authentication and the login process.

##### Search for 'web':

- Enter "web" into the search bar.
- Click on the search button.
- This section covers testing aspects related to the search functionality of the application.

##### Switch to a Freelancer:

- Click on a button (presumably to switch to a freelancer).
- This section tests the navigation and interaction with different sections of the application.

##### Access Profile Dropdown:

- Click on the profile dropdown.
- This section covers testing aspects related to user profile options and dropdown functionality.

##### Navigate to Profile:

- Click on the "Profile" option in the dropdown.
- This section tests navigation to the user profile and related functionality.

##### Navigate to Portfolio:

- Click on the "Portfolio" button.
- This section tests navigation to the user's portfolio and related functionality.

##### Access Profile Dropdown Again:

- Click on the profile dropdown again.
- This section covers testing aspects related to the profile dropdown functionality.

##### Logout:

- Click on the "Logout" option in the dropdown.
- This section covers testing aspects related to user logout functionality.

#### **Close the Browser:**

- Quit the Chrome browser, ending the WebDriver session.

#### **Why Automated Testing:**

- **Efficiency:** Automated testing is faster than manual testing and allows for quicker feedback during development.
- **Repeatability:** Automated tests can be run multiple times with consistent results, ensuring reliability.
- **Regression Testing:** Automated tests help identify regressions (unintended side effects) when new changes are introduced.
- **Scalability:** Automated tests can easily scale to cover a large number of test cases and scenarios.
- **Resource Savings:** Automated tests reduce the need for manual testing resources, freeing them up for more creative and complex testing tasks.
- **Continuous Integration/Continuous Deployment (CI/CD):** Automated tests are essential for CI/CD pipelines, providing confidence in the application's stability before deployment.

#### **Aspects of Testing Covered:**

- **Functional Testing:** Ensuring that the application functions as expected in various scenarios.
- **Integration Testing:** Verifying that different components of the system work together correctly.
- **UI/UX Testing:** Checking the user interface for proper layout, design, and user experience.
- **Security Testing:** Verifying that sensitive information is handled securely.
- **Navigation Testing:** Confirming that users can navigate through different sections of the application.
- **Regression Testing:** Ensuring that new changes do not break existing functionality.
- **Authentication Testing:** Verifying that user authentication and authorization work correctly.
- **Performance Testing:** Checking for performance bottlenecks and measuring response times.
- **Logout Testing:** Confirming that users can successfully log out.

By automating these aspects of testing, the script contributes to maintaining a stable and reliable application while accelerating the testing process. Automated testing is a crucial part of the software development lifecycle, providing confidence in the quality of the software being developed.

```

"C:\Program Files\Java\jdk-20\bin\java.exe" ...
Starting ChromeDriver 120.0.6099.71 (9729082fe6174c0a371fc66501f5efc5d69d3d2b-refs/branch-heads/6099_56@{#13}) on port 5501
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Dec 20, 2023 1:36:31 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Step 1: Navigating to the website
Step 2: Signing in
All steps completed successfully

Process finished with exit code 0

```

```

PS C:\Users\User\Desktop\anumm- code\skilled-BE.com> npm test

> skilled-backend@1.0.0 test
  For information about custom transformations, see:
  https://jestjs.io/docs/code-transformation

  Details:

C:\Users\User\Desktop\anumm- code\skilled-BE.com\controllers\UserController.test.js:1
({Object.<anonymous>":function(module,exports,require,__dirname,__filename,jest){import { getAllUsers } from './UserController.js';
                                                                                                     ^^^^^^^
SyntaxError: Cannot use import statement outside a module

    at Runtime.createScriptFromCode (node_modules/jest-runtime/build/index.js:1585:14)

```

```

Jest encountered an unexpected token

Jest failed to parse a file. This happens e.g. when your code or its dependencies use non-standard JavaScript syntax, or when Jest is not configured to support such syntax.

Out of the box Jest supports Babel, which will be used to transform your files into valid JS based on your Babel configuration.

By default "node_modules" folder is ignored by transformers.

Here's what you can do:
  * If you are trying to use ECMAScript Modules, see https://jestjs.io/docs/ecmascript-modules for how to enable it.
  * If you are trying to use TypeScript, see https://jestjs.io/docs/getting-started#using-typescript
  Details:

C:\Users\User\Desktop\anumm- code\skilled-BE.com\controllers\MessageController.test.js:9
import { addMessage, getMessages, getUnreadMessages, markAsRead } from './MessageController';
^^^^^^
SyntaxError: Cannot use import statement outside a module

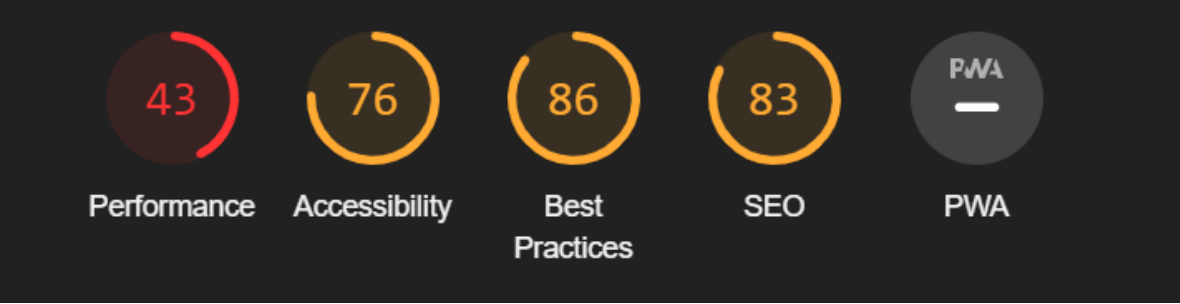
    at Runtime.createScriptFromCode (node_modules/jest-runtime/build/index.js:1585:14)

```

File	% Stats	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	0	0	0	0	

### 4.6.11 Light House and Wave Tastings

#### Social Media Intergration







WAVE

web accessibility evaluation tool

powered by  
[WebAIM](#)

Styles: OFF  ON

## Summary

[Summary](#) [Details](#) [Reference](#) [Order](#) [Structure](#) [Contrast](#)

 9

Errors

 4

Contrast Errors

 21

Alerts

 4

Features

 16

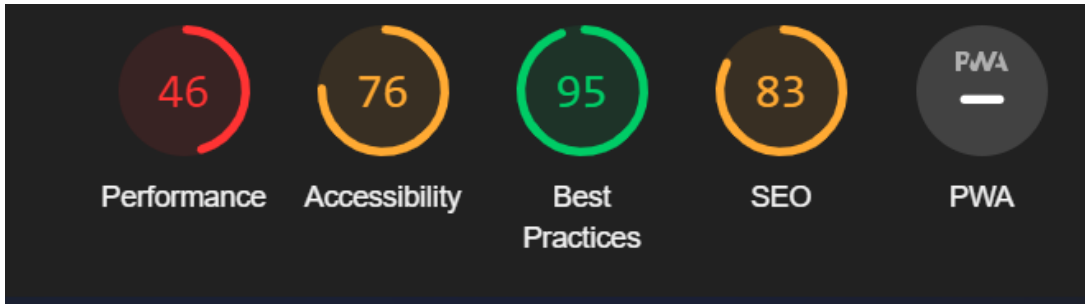
Structural Elements

 1

ARIA

 [View details >](#)

User Feedback Form



The screenshot shows the WAVE web accessibility evaluation tool interface. At the top, it says "WAVE powered by WebAIM" and "web accessibility evaluation tool". Below that is a toggle switch for "Styles" set to "ON". The main section is titled "Summary" and contains a navigation bar with icons for Summary, Details, Reference, Order, Structure, and Contrast. The summary area displays six categories with their respective counts: Errors (9), Contrast Errors (4), Alerts (14), Features (8), Structural Elements (9), and ARIA (9). A "View details" button is located at the bottom of the summary area.

Category	Count
Errors	9
Contrast Errors	4
Alerts	14
Features	8
Structural Elements	9
ARIA	9

## 4.6.12 Manual Integrational Testing

### Social Media Intergration

Test Case ID	Requirement (Integration)	Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Status	Priority
IT-SMI-01	Integration of Social Media Link Addition	Verify the integration of adding social media links with the user profile.	User is logged in and on the profile editing page.	1. Navigate to the social media section. 2. Add social media links. 3. Save changes.	Social media profile links.	Successful integration of social media links into the user profile.	Social media links added and reflected in the user profile.	Pass	High
IT-SMI-02	Integration of Social Media Link Validation	Confirm the integration of validating social media links with the user profile.	User has added social media links to the profile.	1. Click on each social media link. 2. Verify the redirection and functionality.	Added social media links.	Proper redirection and functionality of each social media link within the user profile.	Social media links redirect and function as expected in the user profile.	Pass	High
IT-SMI-03	Integration of Social Media Link Removal	Check the integration of removing social media links from the user profile.	User has added social media links to the profile.	1. Navigate to the social media section. 2. Remove social media links. 3. Save changes.	Social media profile links.	Successful integration of removing social media links from the user profile.	Social media links removed and reflected in the user profile.	Pass	High

## User Feedback Form

Test Case ID	Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Status	Priority
IT-UF-01	Submit feedback through the form	User has access to the feedback form	1. Access the feedback form. 2. Fill in the required details. 3. Submit the form.	Valid feedback data	Feedback is successfully submitted.	Feedback is successfully submitted.	Passed	High
IT-UF-02	View submitted feedback	Feedback has been successfully submitted	1. Access the feedback section. 2. Check for the visibility of submitted feedback.	Submitted feedback data	Submitted feedback is visible in the feedback section.	Submitted feedback is visible in the feedback section.	Passed	Medium
IT-UF-03	Edit submitted feedback	User has submitted feedback	1. Access the feedback section. 2. Choose the option to edit feedback. 3. Modify feedback details. 4. Save changes.	Modified feedback data	Feedback is successfully edited and updated.	Feedback is successfully edited and updated.	Passed	Low
IT-UF-04	Delete submitted feedback	User has submitted feedback	1. Access the feedback section. 2. Choose the option to delete feedback.	-	Feedback is successfully deleted.	Feedback is successfully deleted.	Passed	Low

## 4.6.13 Non-Functional Testing

### Social Media Intergration

Test Case ID	Requirement (Usability)	Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Status	Priority
UT-SMI-01	Usability of Social Media Link Addition	Evaluate the ease of adding social media links to the profile.	User is logged in and on the profile editing page.	1. Navigate to the social media section. 2. Add social media links. 3. Save changes.	Social media profile links.	Successful addition of social media links with an intuitive process.	Social media links added seamlessly.	Pass	High
UT-SMI-02	Usability of Social Media Link Validation	Assess the user experience of validating social media links.	User has added social media links to the profile.	1. Click on each social media link. 2. Verify the redirection and functionality.	Added social media links.	Proper redirection and functionality of each social media link.	Social media links redirect and function as expected.	Pass	High
UT-SMI-03	Usability of Social Media Link Removal	Test the simplicity of removing social media links from the profile.	User has added social media links to the profile.	1. Navigate to the social media section. 2. Remove social media links. 3. Save changes.	Social media profile links.	Successful removal of social media links with an easy-to-use process.	Social media links removed seamlessly.	Pass	High

## User feedback forms

Test Case ID	Requirement (Usability)	Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Status	Priority
UT-UFB-01	Usability of Submitting Feedback	Evaluate the ease of submitting feedback through the form.	User has completed a transaction or interaction.	1. Access the feedback form. 2. Fill in feedback details. 3. Submit feedback.	Feedback details.	Successful submission with a clear confirmation message.	Feedback submitted successfully.	Pass	High
UT-UFB-02	Usability of Feedback Validation	Assess the user experience of validating submitted feedback.	User has submitted feedback.	1. View submitted feedback. 2. Verify the accuracy of feedback content.	Submitted feedback.	Proper display and validation of submitted feedback.	Submitted feedback displayed accurately.	Pass	High
UT-UFB-03	Usability of Editing Submitted Feedback	Test the simplicity of editing previously submitted feedback.	User has submitted feedback.	1. Access the feedback edit option. 2. Modify feedback content. 3. Save changes.	Modified feedback details.	Successful editing of feedback with an easy-to-use process.	Feedback edited seamlessly.	Pass	High
UT-UFB-04	Usability of Deleting Submitted Feedback	Evaluate the ease of deleting previously submitted feedback.	User has submitted feedback.	1. Access the feedback delete option. 2. Confirm deletion.	Feedback details.	Successful deletion of feedback with a clear confirmation message.	Feedback deleted seamlessly.	Pass	High

## 4.6.14 Requirement Testing

### Social Media Intergration

Pain Points	How We Addressed the Pain Points	User Story
<b>1. Time Management:</b> Alex finds it challenging to allocate dedicated time for enhancing the profile.	<b>Solution:</b> We implemented a seamless and quick process for users to link their social media accounts, minimizing the time required.	As a user, I want to easily connect my social media accounts to my profile to save time and improve engagement.
<b>2. Profile Visibility:</b> Alex faces difficulty optimizing the profile for attractiveness and informativeness.	<b>Solution:</b> We introduced features to automatically pull relevant information from linked social media accounts, improving the completeness and appeal of user profiles.	As a user, I want my profile to be automatically enriched with information from my social media accounts to enhance visibility and engagement.

## Feedback Forms

Pain Points	How We Addressed the Pain Points	User Story
<b>1. Time Constraints:</b> Alex struggles to find dedicated time to provide comprehensive feedback.	<b>Solution:</b> We implemented a concise and straightforward feedback form with optional detailed sections, allowing users to provide feedback efficiently.	As a user, I want to be able to provide quick feedback on the platform, with the option to provide more detailed feedback when I have more time.
<b>2. Lack of Recognition:</b> Alex feels disheartened as the lack of acknowledgment diminishes the perceived value of providing feedback.	<b>Solution:</b> We added a feedback acknowledgment system and periodic recognition for users who contribute valuable feedback.	As a user, I want to receive acknowledgment for providing feedback and occasional recognition for valuable contributions.

### 4.6.15 UI Testing

#### Social Media Intergration

Test Case ID	Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Status	Priority
UIT-SM-01	Check the appearance of social media integration UI elements	Social media integration feature is accessible	1. Navigate to the profile settings. 2. Inspect the appearance of social media integration UI elements.	-	UI elements related to social media integration are well-designed and aligned.	UI elements related to social media integration are well-designed and aligned.	Passed	High
UIT-SM-02	Verify the functionality of adding social media accounts	User is in the profile settings with the option to add social media accounts	1. Click on the option to add social media accounts. 2. Enter valid social media account credentials. 3. Submit the information.	Valid social media account credentials	Social media accounts are added, and the UI reflects the changes.	Social media accounts are added, and the UI reflects the changes.	Passed	Medium
UIT-SM-03	Confirm the visibility of integrated social media links on the profile	Social media links are integrated into the user's profile	1. Visit the user's profile. 2. Check for the visibility of integrated social media links.	Integrated social media links	Social media links are clearly visible and properly displayed on the user's profile.	Social media links are clearly visible and properly displayed on the user's profile.	Passed	Low

## User Feedback Form

Test Case ID	Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Status	Priority
UIT-UF-01	Assess the layout and design of the feedback form	User has access to the feedback form	1. Navigate to the feedback form. 2. Inspect the layout and design of the form.	-	Feedback form is well-designed with proper layout and user-friendly elements.	Feedback form is well-designed with proper layout and user-friendly elements.	Passed	High
UIT-UF-02	Validate the submission process of the feedback form	Feedback form is accessible	1. Fill in the required details in the feedback form. 2. Submit the form.	Valid feedback data	Feedback is successfully submitted, and the UI reflects the submission confirmation.	Feedback is successfully submitted, and the UI reflects the submission confirmation.	Passed	Medium
UIT-UF-03	Check the visibility of submitted feedback	Feedback has been successfully submitted	1. Access the feedback section. 2. Verify the visibility of submitted feedback.	Submitted feedback data	Submitted feedback is clearly visible and correctly displayed in the feedback section.	Submitted feedback is clearly visible and correctly displayed in the feedback section.	Passed	Low

## 5.0 Code Review

Standard Coding Practices	Comments on Reviewed Code
<b>User Controller (Node.js)</b>	

Use of Modules	✓ Importing modules using ES6 import syntax (@prisma/client).
Error Handling	✓ Proper error handling with a try-catch block.
Database Connection	✓ Establishing a connection to the database using Prisma.
Request Handling	✓ Handling the request and returning a JSON response.
Logging	✓ Logging errors to the console for debugging purposes.
Code Organization	✓ Modularizing code with a single exported function.
<b>Freelance Portfolio (React)</b>	
File Naming	✓ Naming the file with camelCase ('sellerPortfolio.js').
React Component Naming	✓ Naming the React component with Pascal Case.
Routing	✓ Using Next.js's useRouter for routing.
Component Structure	✓ Organizing the component into sections with comments.
Image Component Usage	✓ Using the Next.js Image component for image rendering.
CSS Classes	✓ Using Tailwind CSS classes for styling.
Button Click Handling	✓ Handling button clicks with the router.push method.
Repetitive Code	✗ Repetitive code for each skill box. Consider making it dynamic.
Image Source	✗ The image source ("/.jpg") seems incomplete or incorrect.
HTML Comments	✓ Adding comments for clarity in different sections.
<b>Feedback Form (React)</b>	
Component Structure	✓ Importing React and useState from 'react'.
State Usage	✓ Using the useState hook to manage the 'feedback' state.
Form Element Structure	✓ Structuring form elements with labels and input elements.
Controlled Component	✓ Using controlled components for the textarea and input.
Event Handling	✓ Handling form submission with the handleSubmit function.
Code Clarity	✓ Descriptive variable names like 'feedback' and 'setFeedback'.
Styling	✗ The class name 'feedback-form' suggests styling, but no styles are provided. Consider adding styles or using a more descriptive class name.

Comments	✓ Adding a comment for clarity regarding form submission handling.
Overall	✓ Adheres to standard coding practices and effectively implements a feedback form.

## 6.0 Sprint Retrospective

### 6.1 Sprint Retrospective by Akitha

#### *Accomplishments:*

*In my roles as Developer and QA for the project I took on key responsibilities throughout the development phase and As the QA I played a critical role in ensuring the quality and reliability of the latest phase.*

#### *Phase 1: Developer*

- **Admin Dashboard feature:** Successfully implemented the admin dashboard features, ensuring seamless and consistent user experience.
- **Freelancer Portfolio:** Intergrated search and filter mechanisms, enhancing the overall usability of the platform.

#### *Phase 2: QA*

- **Social Media Intergration:** Created comprehensive test cases covering functional, non-functional, UI testing and integrating aspects.
- **User Feedback Form:** Conducted through functional testing validating each feature against specified requirement.

#### *What Went Well (Dev & QA Perspective):*

- **Feature Intergration:** Successful intergration of key features like gig management and authentication contributed to the overall platform functionality.
- **Collaboration Success:** Effective collaboration with the development team facilitated streamlined bug reporting and resolutions.

#### *Challenges Faced (Dev & QA Perspective):*

- **Time Management:** Balancing comprehensive testing within tight deadlines posed challenges in terms of time management.
- **Automation Implementation:** Exploring opportunities for automated testing became a challenge due to time constraints and the need for additional resources.

#### *Improvements and Collaboration:*

#### **Improvement Areas**

Automated Testing – Exploring opportunities to implement automated testing for repetitive and critical test scenarios.



## 6.2 Sprint Retrospective by Anumm

## 6.3 Sprint Retrospective by Sumuditha

### *Accomplishments:*

As the Business Analyst for our local freelancers' web platform project, I played a crucial role in shaping the requirements and features during the first phase and transitioned into the Scrum Master role for the second phase. Here's a summary of the accomplishments:

### *Phase 1: Business Analyst*

- **Admin Dashboard:** Defined comprehensive requirements for the admin dashboard, ensuring effective project management and oversight.
- **Freelancer Portfolio:** Shaped the user stories and requirements for freelancers to create and manage portfolios, showcasing their skills and experiences.

### *Phase 2: Scrum Master*

- **Social Media Integration:** Facilitated collaboration between the development and QA teams for the seamless integration of social media links into user profiles.
- **User Feedback Form:** Ensured effective communication and coordination among team members to implement a user-friendly feedback form, enhancing user engagement.

### *What Went Well:*

- Successful collaboration between team members.
- Recognition of effective feature development and deployment.
- Commendation for identifying and resolving critical issues.

### *Additional Contributions:*

- Actively participated in coding tasks and code reviews, contributing to the development process.
- Assisted with automated testing, ensuring robust testing procedures for improved product quality.

### *Blocks:*

While challenges were minimal during this sprint, ongoing communication and collaboration will be critical to maintaining momentum. We should remain attentive to any potential roadblocks and proactively address them to ensure a smooth development process.

This sprint has provided valuable insights into our team dynamics and the iterative development process. Moving forward, continuous improvement and proactive problem-solving will be key focus areas to optimize our agile workflow.

## 6.4 Sprint Retrospective by Biseni

### *Accomplishments:*

Transitioning from the Scrum Master role in the first phase to the Business Analyst role in the second phase, I played a dual role in ensuring effective project management and aligning user requirements.

### *Phase 1: Scrum Master*

- **Admin Dashboard:** Facilitated communication and collaboration among team members for the successful implementation of the admin dashboard.
- **Freelancer Portfolio:** Ensured a smooth workflow by coordinating between development and QA teams, aligning features with user stories.

### *Phase 2: Business Analyst*

- **Social Media Integration:** Shaped comprehensive requirements and user stories for the seamless integration of social media links into user profiles.
- **User Feedback Form:** Collaborated with the team to define user stories and acceptance criteria for the user-friendly feedback form, enhancing user engagement.

### *What Went Well (Scrum Master & BA Perspective):*

- Successful collaboration between team members.
- Recognition of effective feature development and deployment.
- Commendation for identifying and resolving critical issues.

### *Challenges Faced (Scrum Master & BA Perspective):*

- Time management challenges in the role transition.
- Difficulties in reproducing reported issues for the developer.
- Addressing obstacles related to website testing.

### *Improvements and Collaboration:*

- Proposed improvements in the project management process for better efficiency.
- Discussed opportunities for enhanced collaboration between roles.
- Shared insights on refining user stories and acceptance criteria for clarity.

This sprint provided valuable insights into the dynamics of wearing different hats within the team. Moving forward, a focus on continuous improvement, effective collaboration, and streamlined processes will be key areas for optimization in our agile workflow.

## 7.0 Sprint 03 Documentation

### 7.1 Sprint Goal

Sprint 3 Goal: Finalizing the Project with Feature Advancements

The goal of Sprint 3 for [SKILLED.COM](#) is to culminate the project by building upon the established foundation and advancing the platform's features. With a determined focus on enhancing the overall

user experience, this sprint aims to introduce innovative functionalities, improve existing features, and prepare the platform for seamless user interaction, marking the final strides towards project completion.

**Tasks Accomplished:**

1. **Dark Mode Implementation:**
  - Integrate a Dark Mode feature to not only enhance user experience but also provide users with customization options for a personalized touch.
  - Ensure the design remains visually appealing and consistent in both light and dark modes.
2. **Personalized Payout Options:**
  - Implement personalized payout options for freelancers, enabling them to select their preferred payment methods.
  - Integrate secure payment gateways to facilitate seamless transactions, bringing a final touch to the financial aspects of the platform.
3. **Site Analytics Integration:**
  - Introduce advanced site analytics tools to gather valuable insights into user behavior and platform performance.
  - Design user-friendly dashboards for administrators to analyze key metrics, providing a comprehensive overview of the platform's usage.
4. **Bug Fixes and Performance Optimization:**
  - Conduct thorough testing and address any identified bugs or issues from the previous sprints, ensuring the platform is polished for its final release.
  - Optimize the platform's performance for faster loading times and smoother interactions, delivering a high-quality product.

**Overall Outcome:** Sprint 3 marks the final strides towards completing [SKILLED.COM](#), introducing advanced features and optimizations to elevate the platform's user experience. The focus on finalization ensures that the project meets its goals, providing users with a feature-rich, polished, and seamless freelancing platform.

Member's Name	Role
Sumuditha Lankasara (CB010718)	Quality Assurance
Akitha Randira (CB011077)	Scrum Master
Anumm Irshad (CB010606)	Business Analyst
Biseni Perera (CB010973)	Developer

## 7.2 Sprint Backlog

### 7.2.1 Sprint Planning Meeting

Date	Time	What we're going to cover in this sprint
22nd December 2023	9.00PM	During our planning meeting for Sprint 3, we discussed enhancing features and elevating the overall user experience.

		<p>We aim to finalize the project with a strong emphasis on innovative functionalities and improvements to existing features. This sprint is crucial for preparing the platform for seamless user interaction, providing users with a polished and feature-rich experience.</p> <p>Key Features  <b>Dark Mode:</b> A visually appealing dark mode.  <b>Personalized Payout Options:</b> Flexible choices for payouts.  <b>Site Analytics:</b> Introducing analytics for user insights.</p>
--	--	--

### 7.2.2 Daily Standup Meeting logs

Date	Time	What did we accomplish in terms of our roles (Developer, Scrum Master, Business Analyst, Quality Assurance)	Plan for the day	Anything that blocked us from our work?
2023/12/23	9.00PM	Discuss requirement gathering for Dark Mode and created use case diagrams for Dark Mode	Start and continue with activity diagrams, Refine pain points documentation.	None
2023/12/24	9.00PM	Completed activity diagrams for Dark Mode and continued refining pain points documentation.	Start the development of initial UI planning.	None
2023/12/27	9.00PM	Completed all the UI/UX planning for the Dark Mode.	In the meeting we discussed how to implement Dark Mode. Discussed how to do the Tastings.	None
2023/12/28	9.00PM	Started the implementation of Dark Mode. And conduct a code review with the team.	In the meeting we discussed how the requirement testing should be done.	None
2023/12/29	9.00PM	Discussed testing scenarios with the team	Start doing a code review	None
2023/12/30	9.00PM	Completed test case design for Dark Mode. And started Ui tastings.	Begin test case design for Dark Mode.	None
2024/01/01	9.00PM	Reviewed AOA, AON diagrams, planned sprint. Walkthrough of previous code. Started different payout options	In the meeting we reviewed the previous sprint code and checked he functionalities of the website. Reviewed the previous sprint	None

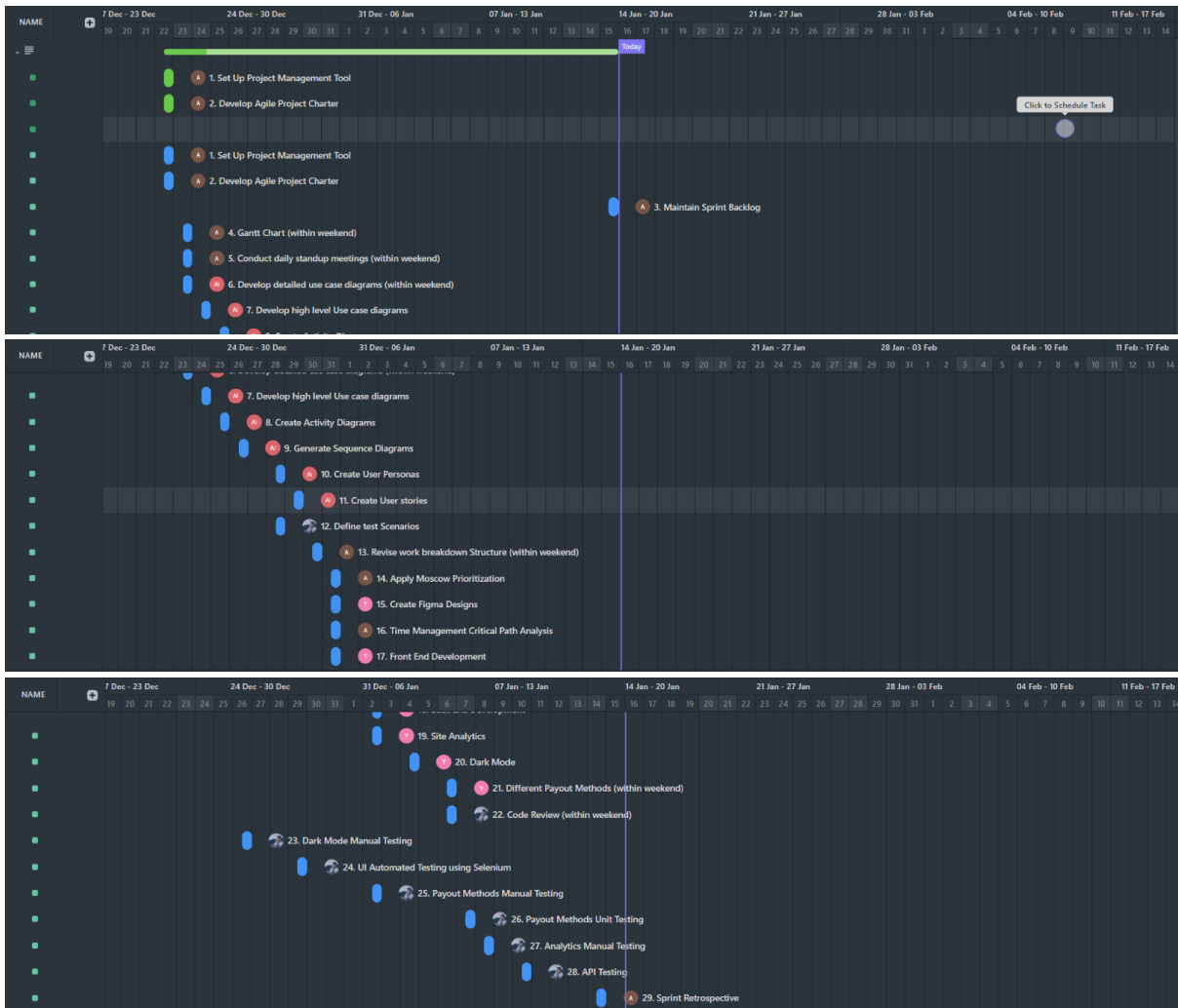
			activity and use case diagrams and the user flow of the website.	
2024/01/02	9.00PM	tarted AOA, AON, user personas. Started AOA, AON diagrams.	n the meeting we reviewed the previous sprint AOA and AON diagrams and planned this sprint diagrams. Scrum master started creating the AOA and AOH diagram, user personas.	None
2024/01/03	9.00PM	Discussed front-end development.	In the meeting we discussed how to do the front-end development for the discussed features.	None
2024/01/04	9.00PM	Discussed integration testing.	In the meeting we discussed how to do integration testing and automated testing for UI.	None
2024/01/05	9.00PM	Discussed nonfunctional testing.	In the meeting, we discussed how to perform the non-functional testing for features being developed.	None
2024/01/06	9.00PM	Discussed UI changes.	In the meeting we tested the implemented features by ourselves, and each member gave feedback about them.	None
2024/01/07	9.00PM	Set up project environment for feature of different payout option	In the meeting we have discussed how the changes should be made to finalize the UI for the implemented features	None
2024/01/08	9.00PM	Discussed second half feature site analytics.	In the meeting we discussed how to implement the features of Site Analytics.	None

2024/01/09	9.00PM	Discussed remaining features, UI designs. Discussed backend development. Started testing	In the meeting, we discussed how we will implement the remaining features for this sprint and UI designs for the features.	None
2024/01/10	9.00PM	Discussed user feedback, social media. Discussed testing. Functional and nonfunctional testing	In the meeting, we discussed how to develop site analytics.	None
2024/01/11	9.00PM	Discussed backend development. Started testing.	In the meeting, we discussed how to develop the backend of the website and finalize it. Started to test the features of the website by ourselves	None
2024/01/12	9.00PM	Discussed testing. Functional and nonfunctional.	In the meeting, we discussed the testing of the features. Functional testing and non- functional tastings for the implemented features	None
2024/01/13	9.00PM	Discussed UI test automation.	In the meeting we had a discussion for UI test automation and finalizing all the features	None
2024/01/14	9.00PM	Reviewed document content.	In the meeting we reviewed the document content by each member.	None
2024/01/15	9.00PM	Finalized all work for Sprint 3.	Finalized all work for Sprint 3	None

### 7.2.3 Sprint Retrospective

Date	Time	What Went Well	What Went Wrong	Improvements for the Final Product	Individual Opinions of Team Members
01/16	9.00 PM	<p>The team successfully implemented Dark Mode, enhancing the platform's visual appeal. UI/UX planning for Personalized Payouts was completed, ensuring a user-friendly and personalized experience. The implementation of Site Analytics was successfully accomplished, providing valuable insights. Positive feedback was received from initial user testing, indicating the effectiveness of the developed features. Team collaboration and coordination remained strong throughout the sprint.</p>	<p>The team faced challenges during the deployment process, leading to unforeseen issues. There were delays in feature testing due to resource constraints, impacting the overall testing timeline. Miscommunication between frontend and backend teams caused delays in the development process. A bug was discovered post-release in Dark Mode, requiring post-deployment fixes. Additionally, some user stories did not fully meet acceptance criteria, indicating gaps in requirements.</p>	<p>Implement a more robust and streamlined deployment process for the final features. Allocate additional resources or plan timelines more effectively for testing. Strengthen communication channels to prevent delays in the final features. Enhance regression testing to catch issues before deployment of final features. Enhance collaboration between development and QA teams during feature creation.</p>	<p>Sumuditha: Deployment procedures need thorough documentation.</p> <p>Biseni: Testing resources should be reassessed for future sprints.</p> <p>Anumm: Improved communication tools are essential for smoother collaboration.</p> <p>Akitha: Regression testing should be a primary focus in future sprints. Clearer acceptance criteria are crucial for meeting user expectations.</p>

## 7.2.4 Grantt Chart





## 7.2.5 Project Management

### Sprint - 03

Add Task

Board | List | Gantt | View | Search | Hide | Customize

Group: Status | Subtasks: Collapse all | Filters | Me mode | Assignees | Show closed | Hide

**DONE** 29

Name	Assignee	Due date	Priority	Status
1. Set Up Project Management Tool	A	12/22/23	Urgent	DONE
2. Develop Agile Project Charter	A	12/22/23	High	DONE
3. Maintain Sprint Backlog	A	Yesterday	Normal	DONE
4. Gantt Chart	A	12/23/23	Normal	DONE
5. Conduct daily standup meetings	A	12/23/23	Normal	DONE
6. Develop detailed use case diagrams	A	12/23/23	Normal	DONE
7. Develop high level Use case diagrams	B	12/24/23	Normal	DONE
8. Create Activity Diagrams	M	12/25/23	Normal	DONE
9. Generate Sequence Diagrams	M	12/26/23	Normal	DONE
10. Create User Personas	M	12/28/23	Normal	DONE
11. Create User stories	M	12/29/23	Normal	DONE
12. Define test Scenarios	M	12/28/23	Normal	DONE

**DONE** 29

Name	Assignee	Due date	Priority	Status
12. Define test Scenarios	M	12/28/23	Normal	DONE
13. Revise work breakdown Structure	A	12/30/23	High	DONE
14. Apply Moscovice Prioritization	A	12/31/23	Normal	DONE
15. Create Figma Designs	P	12/31/23	Normal	DONE
16. Time Management Critical Path Analysis	A	12/31/23	Normal	DONE
17. Front End Development	M	12/31/23	Normal	DONE
18. Back End Development	P	Jan 2	Normal	DONE
19. Site Analytics	P	Jan 2	High	DONE
20. Dark Mode	P	Jan 4	High	DONE
21. Different Payout Methods	P	Jan 6	High	DONE
22. Code Review	M	Jan 6	Normal	DONE

**DONE** 29

Name	Assignee	Due date	Priority	Status
20. Dark Mode	P	Jan 4	High	DONE
21. Different Payout Methods	P	Jan 6	High	DONE
22. Code Review	M	Jan 6	Normal	DONE
23. Dark Mode Manual Testing	M	12/26/23	Normal	DONE
24. UI Automated Testing using Selenium	M	12/29/23	Normal	DONE
25. Payout Methods Manual Testing	M	Jan 2	Normal	DONE
26. Payout Methods Unit Testing	M	Jan 7	Normal	DONE
27. Analytics Manual Testing	M	Jan 8	Normal	DONE
28. API Testing	M	6 days ago	Normal	DONE
29. Sprint Retrospective	A	2 days ago	Normal	DONE

### Sprint - 03

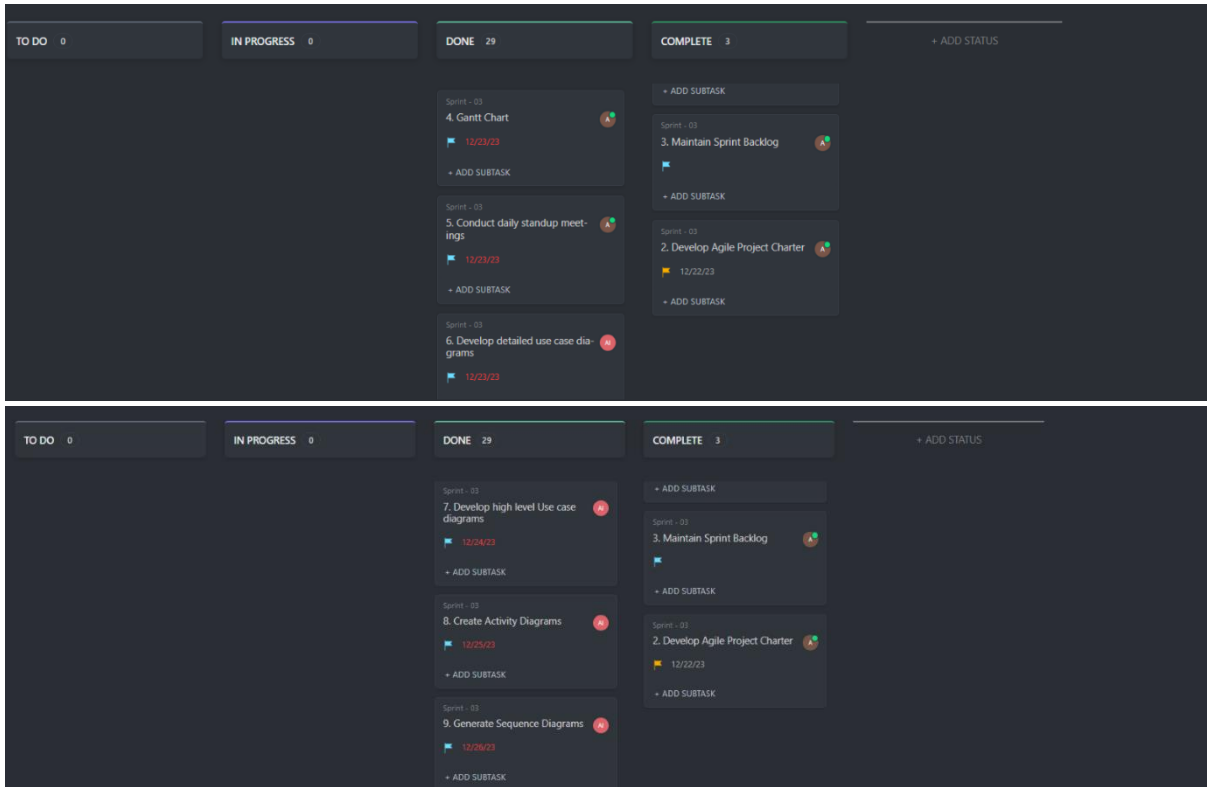
Add Task

Board | List | Gantt | View | Search | Hide | Customize

Group: Status | Subtasks: Collapse all | Filters | Sort | Me mode | Assignees | Show closed | Hide

TO DO 0
IN PROGRESS 0
**DONE 29**
COMPLETE 3
+ ADD STATUS

Task Name	Assignee	Due date	Priority
1. Set Up Project Management Tool	A	12/22/23	Urgent
2. Develop Agile Project Charter	A	12/22/23	High
3. Maintain Sprint Backlog	A	Yesterday	Normal
2. Develop Agile Project Charter	A	12/22/23	High



## 7.3 Time Estimation Plan

### 7.3.1 Time Estimation Plan for Site Analytics

Task	Estimated Time (Days)
Requirement Gathering (A)	1.5
UI/UX Design (B)	2.5
Backend Development (C)	3.5
Testing and Debugging (D)	2.5
<b>Total Time for Site Analytics</b>	<b>10</b>

### 7.3.2 Time Estimation Plan for Different Payout Options

Task	Estimated Time (Days)
Requirement Gathering (E)	1
UI/UX Design (F)	2.5
Backend Development (G)	4
Testing and Debugging (H)	2.5
<b>Total Time for Different Payout Options</b>	<b>10</b>

### 7.3.3 Time Estimation Plan for Mark Mode

Task	Estimated Time (Days)
Requirement Gathering (E)	1
UI/UX Design (F)	1
Backend Development (G)	2
Testing and Debugging (H)	1
<b>Total Time for Dark Mode</b>	<b>5</b>

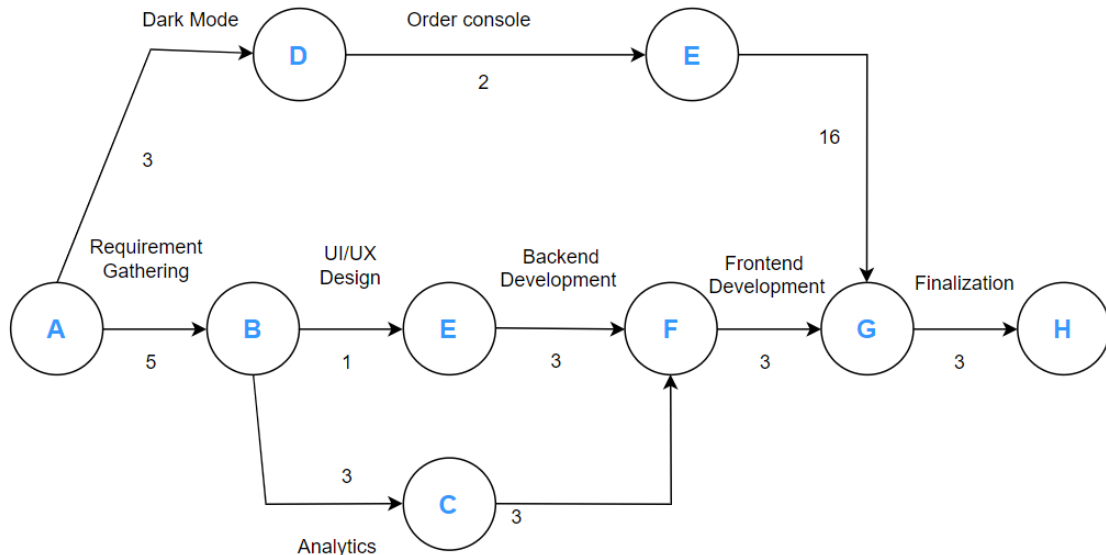
### 7.3.4 Time Estimation Plan for Sprint 03

25 Days

### 7.3.5 Key Considerations

- The adjusted estimates now align with the total sprint duration of 25 days (about 3 and a half weeks).
- This plan maintains a balance between phases considering the time constraints.

### 7.3.6 AOA Diagram



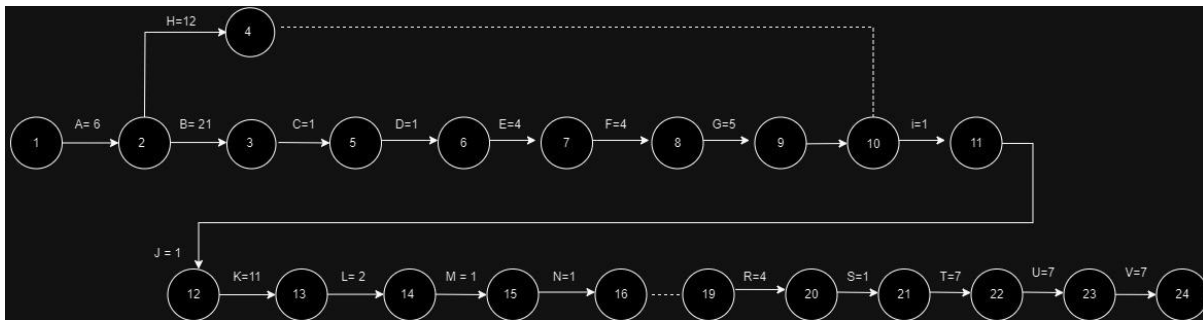
In this representation:

[A], [B], [C], [D], [E], [F], [G], and [H], are activities.

The arrows represent dependencies between activities, indicating the order in which they should be executed.

[M] represents the finalization step, dependent on the completion of all previous activities.

### 7.3.7 AON Diagram



In this diagram, each node represents a specific task or activity required for the successful completion of our sprint goals. The arrows between nodes indicate the flow and dependencies between these activities, offering a comprehensive overview of the workflow.

## 7.4 Critical Path Analysis

### 1. Site Analytics:

- A (Requirement Gathering) -> B (UI/UX Design) -> C (Backend Development) -> D (Testing and Debugging)

### 2. Different Payout Options:

- E (Requirement Gathering) -> F (UI/UX Design) -> G (Backend Development) -> H (Testing and Debugging)

### 3. Dark Mode:

- I (Requirement Gathering) -> J (UI/UX Design) -> K (Backend Development) -> L (Testing and Debugging)

Calculating the

Early Start (ES)

Early Finish (EF)

Late Start (LS)

Late Finish (LF)

and Total Float for each task to determine the Critical Path.

### 1. Site Analytics:

- A (Requirement Gathering)
  - ES: 0
  - EF: 1.5
- B (UI/UX Design)
  - ES: 1.5
  - EF: 4
- C (Backend Development)

- ES: 4
- EF: 7.5
- D (Testing and Debugging)
  - ES: 7.5
  - EF: 10

## 2. Different Payout Options:

- E (Requirement Gathering)
  - ES: 0
  - EF: 1
- F (UI/UX Design)
  - ES: 1
  - EF: 3.5
- G (Backend Development)
  - ES: 3.5
  - EF: 7.5
- H (Testing and Debugging)
  - ES: 7.5
  - EF: 10

## 3. Dark Mode:

- I (Requirement Gathering)
  - ES: 0
  - EF: 1
- J (UI/UX Design)
  - ES: 1
  - EF: 2
- K (Backend Development)
  - ES: 2
  - EF: 4
- L (Testing and Debugging)
  - ES: 4
  - EF: 5

## Critical Path:

- The Critical Path for Sprint 3 includes all the tasks from Requirement Gathering to Testing and Debugging for each feature.

## Total Duration:

- The total duration for Sprint 3 is 25 days (about 3 and a half weeks), and the Critical Path identifies the sequence of tasks that cannot be delayed without delaying the project.

## 7.5 Moscow Prioritization Matrix

### 7.5.1 Must Have

- Site Analytics
- Dark Mode
- Different Payout Options
- Performance Optimizations

## 7.5.2 Should Have

- Site Analytics
- Dark Mode

## 7.5.3 Could Have

- Additional Security Measures
- Mobile Responsiveness

## 7.5.4 Won't Have

- Advanced analytics features
- demographic analysis of user

## 7.6 Sprint Workshop

### 7.6.1 Site Analytics

**LONG TERM Goals**

1. By taking the total of the sales, orders, gigs & users we can get an idea about the overall sales revenue, a graphical representation or numerical count for early understanding, visualization of a present order statistics total number of registered users or customers.
2. Utilize analytics to refine and optimize the content strategy of the portfolio.
3. Monitor industry trends and skills demand through analytics.
4. Using the analytics to tailor communication & engagement strategies with potential clients.

**Identifying Painpoints**

Nadeesha - Analytics Enthusiast

1. Technical challenges associated with analytical tools - faces difficulties navigating analytics interfaces.
2. Allocating dedicated time for regular analytics reviews - busy schedule makes it challenging to consistently engage with analytics

**MEMBERS Best ideas**

- User engagement dashboard  
Display metrics on user engagement  
- Anuram
- Real-time activity feed  
Shows a live feed of user activities, gigs posted & interaction  
- Sumuditha
- Demographic insights  
Provide insights into the demographics of users  
- Akitha
- Social media integrations  
Integrate analytics related to social media interactions  
- Biseni

**Flow**

```
graph TD
  Admin((Admin)) -- "Login to the system as a admin" --> AdminDashboard[Admin dashboard]
  AdminDashboard --> AnalyticsPage[Analytics page]
```

**Analytics Dashboard Mockup**

skilled.com | What services are you looking for? | Q | Orders | Search in database | P

Analytics

Total Sales	Total Gigs
Total Orders	Total Users

## 7.6.2 Dark Mode

### LONG TERM Goals:

1. Finalize the website by implementing the last three features, that would enable the users to have a better user experience, through the dark & light mode feature.
2. Further enhance user experience by diversifying methods of payment, providing freelancers a range of convenient options for receiving their earnings.
3. Enhance overall platform performance by expanding analytics capabilities

### Identifying pain points

- ① Kasun finds it difficult to use the website at night for longer hours as it strains his eyesight, as he usually prefers working at night
- ② Randira can't request custom payouts as per his preference (amount & time preferences).
- ③ Can't get a summary of data and insight into trends in the website

### MEMBERS best ideas

- Easy Payout Option
- ① Fixed Payouts - Freelancers with a higher rating receive earlier payouts
- ② Flexible payout methods: - Bank transfers
- custom payout methods
- In-app only bank credit card and paypal for local freelancers, we will soon implement bank transfer
- Fee Structure
- ① Issue digital receipt (Once the customer payout is made)
- ② In-app Notification System - Is notify the user when the job is completed, payment needs to be made

### FEATURES OF THE SPRINT (3)

1. Dark mode

2. Basic Analytics

3. Different payout methods

### Flowchart:

```

    graph TD
      Freelancer[Freelancer] -- Create a gig --> Complete[Complete the gig]
      Buyer[Buyer] -- Purchase gig --> Complete
      Complete -- Request payment --> Select[Select the amount and method]
      Select --> Payout[Getting a custom payout]
      
```

*Request payment form:*

Request payment  
 Order no: xxxxx  
 Amount: xxxxx  
 Description: \_\_\_\_\_  
 Select a method: \_\_\_\_\_  
 \_\_\_\_\_

## 7.6.3 Different Payout Option

### LONG TERM Goals

- Provide a variety of payment options - credit, debit cards & payment gate-ways.
- Security of the payment transactions and stay compliant with industry & security standards.
- User friendly checkout process minimizing the steps required for users to complete the transactions

### Identifying Painpoints

Rajitha - Client

- Balancing tight project timelines with the need to hire freelancers, without compromising the quality of work due to time constraints.
- Concerns about safety and secureness, trust-worthiness of financial transactions on the platform, impacting the overall trust in the freelancing marketplace.
- Delays in payment processing affect freelancer satisfaction and may lead to challenges in retaining top talent for future projects.

### MEMBERS Best ideas

**Different payout options**

Allow users to set their preferred payout methods ex- (paypal/stripe).

- Sumuditha

**Tiered payouts**

Implement a tiered payout system where users can unlock higher payout rates based on their achievements.

- Biseni

**Cryptocurrency payouts**

Integrate support for cryptocurrency payouts for users who prefer digital currency transactions.

- Akitha

**Gift card payouts**

Introduce the option for users to receive their earnings in the form of gift cards.

- Anumim

### Flow

Skills.com

Choose your convenient payment option.

Paypal

Stripe

Skills.com

Please complete the payment to place order.

Paypal

Debit or Credit

## 7.7 Solution Conceptualizing

### 7.7.1 User Stories

#### User Story – Dark Mode

**Story:** As a user, I want to switch between light and dark modes on the freelance platform to enhance my visual comfort during different lighting conditions.

As a user, I should be able to enable or disable dark mode with the following steps:

- Log in to the freelance platform.
- Navigate to the account settings or a dedicated "Dark Mode" section.
- Toggle the "Dark Mode" switch to enable or disable the feature.

#### Acceptance Criteria:

- I can log in to the freelance platform using my credentials.
- I can easily find the account settings or locate a dedicated "Dark Mode" section.
- There is a toggle switch for "Dark Mode" that I can interact with.
- When I toggle the switch to enable "Dark Mode," the platform's interface should transition to a dark color scheme.



- When I toggle the switch to disable "Dark Mode," the platform's interface should revert to a light color scheme.
- The dark mode feature should be consistently applied across all pages and elements of the platform.
- The transition between light and dark modes should be smooth, ensuring a visually comfortable experience for the user.

## User Story: Payment Feature

**Story:** As a user, I want to make payments securely and efficiently on the freelancing platform to ensure a smooth transaction process and build trust with freelancers.

As a user, I should be able to make payments safely and efficiently with the following steps:

1. Log in to the freelancing platform.
2. Navigate to the completed gig or project that requires payment.
3. Find the "Make Payment" button or a dedicated payment section.
4. Select a preferred payment method from options like Stripe or PayPal.
5. Enter the necessary payment details securely.
6. Confirm the payment amount and review the transaction summary.
7. Click the "Submit Payment" button to process the transaction securely.

## Acceptance Criteria:

- I can log in to the freelancing platform using my credentials.
- After a gig is marked as complete, I can easily locate the "Make Payment" button or find a dedicated payment section.
- The payment section should present clear options for payment methods, including Stripe and PayPal.
- I can enter payment details securely, and the platform should use encryption to protect sensitive information.
- The payment page should display a summary of the transaction, including the amount and freelancer details.
- When I submit the payment, the platform should provide a confirmation message, ensuring the transaction's success.
- The freelancers' profiles should be updated to reflect the successful payment, indicating financial transparency.
- The platform should send notifications to both parties confirming the completion of the payment transaction.
- The payment process should be efficient, with minimal steps and a user-friendly interface.
- The platform should have safeguards to prevent unauthorized access and ensure the security of financial transactions.

## User Story: Analytics Features

**Story:** As a user, I want to analyze my portfolio's analytics on the [SKILLED.COM](https://www.skilled.com) platform to make informed decisions for optimizing my freelancing strategy.

As a user, I should be able to access and analyze my portfolio analytics with the following steps:

1. Log in to my [SKILLED.COM](#) account.
2. Navigate to the "Analytics" section or dashboard.
3. Select the specific analytics data I want to review, such as performance metrics, client engagement, or skill popularity.
4. Utilize visualization tools to interpret the analytics data effectively.
5. Identify trends, patterns, or areas for improvement based on the analytics insights.
6. Adjust my portfolio strategy or interactions with clients based on the analytics findings.

#### Acceptance Criteria:

- I can log in to my [SKILLED.COM](#) account using my credentials.
- The "Analytics" section or dashboard is easily accessible from the main navigation.
- There are options to choose specific analytics categories, such as performance metrics, client engagement, or skill popularity.
- Visualization tools, such as charts or graphs, are available to represent analytics data clearly.
- The analytics data is presented in a format that allows for easy interpretation.
- I can identify trends, patterns, or areas for improvement based on the analytics insights provided.
- The platform supports adjustments to my portfolio strategy or client interactions directly from the analytics interface.
- The analytics feature is consistently available and functional across all pages and elements of the [SKILLED.COM](#) platform.
- The transition between different analytics views and actions is smooth, ensuring a user-friendly experience for analyzing portfolio data.

## 7.7.2 User Persona

### *Dark Mode*

**Name:** Ayesha Ranasinghe - Night Owl Developer

#### **Background:**

- **Role:** Software Developer
- **Experience:** 5+ years in software development
- **Expertise:** Full-stack development, emphasis on backend technologies

#### **Goals:**

7. Optimize productivity during late-night coding sessions.
8. Minimize eye strain and fatigue during extended periods of screen time.
9. Personalize the platform's interface for a comfortable and visually appealing experience.
10. Efficiently navigate through the website's features in low-light conditions.

#### **Challenges:**

- **Late-Night Coding:** Ayesha frequently works on coding projects during late hours.
- **Eye Strain:** Prolonged exposure to bright screens during night hours causes discomfort.

#### **Pain Points:**

11. **Productivity Struggle:**

- *Challenge:* Lack of a dark mode affects Ayesha's coding productivity during late-night sessions.
- *Impact:* Ayesha finds it challenging to focus and work efficiently, potentially impacting the quality of her code.

#### 12. **Eye Discomfort:**

- *Challenge:* Extended exposure to bright screens causes eye strain.
- *Impact:* Ayesha experiences discomfort, affecting her overall well-being and potentially leading to decreased work effectiveness.

#### **Acceptance Criteria:**

- A toggle switch in the user settings allows Ayesha to enable or disable dark mode.
- Dark mode should provide a visually comfortable and aesthetically pleasing interface.
- The feature should be seamlessly integrated into the overall design, maintaining readability and usability across all platform sections.

### *Payment Feature*

**Name:** Rajitha Silva - Client

#### **Background:**

- **Role:** Client
- **Experience:** 5+ years in project management in the IT industry
- **Industry Focus:** Software Development and IT Consulting

#### **Goals:**

13. Hire skilled freelancers to complete specific tasks and projects.
14. Efficiently manage project budgets and payments.
15. Ensure secure and seamless transactions on the platform.
16. Build a network of reliable freelancers for future collaborations.

#### **Challenges:**

- **Project Management:** Juggling multiple projects and deadlines.
- **Payment Processing:** Ensuring secure and timely payments to freelancers for completed tasks.

#### **Pain Points:**

##### 17. **Deadline Pressure:**

- *Challenge:* Balancing tight project timelines with the need to hire freelancers.
- *Impact:* Rajitha experiences challenges in finding freelancers quickly without compromising the quality of work due to time constraints.

##### 18. **Payment Security:**

- *Challenge:* Ensuring that payment transactions are secure and trustworthy.
- *Impact:* Rajitha faces concerns about the safety of financial transactions on the platform, impacting the overall trust in the freelancing marketplace.

##### 19. **Payment Timeliness:**

- *Challenge:* Ensuring timely payments to freelancers upon the completion of tasks.
- *Impact:* Delays in payment processing affect freelance satisfaction and may lead to challenges in retaining top talent for future projects.

## *Analytics Feature*

**Name:** Nadeesha Silva - Analytics Enthusiast

### **Background:**

- **Role:** Data-Driven Freelancer
- **Experience:** 4 years in freelancing, with a background in web development and digital marketing.
- **Expertise:** Web Development, SEO Optimization, Content Marketing

### **Goals:**

1. **Optimize Portfolio Strategy:**
  - *Objective:* Utilize analytics to refine and optimize the content strategy of the portfolio.
  - *Motivation:* Nadeesha is keen on continuously improving her portfolio's effectiveness in attracting clients by understanding which elements resonate the most.
2. **Stay Ahead of Trends:**
  - *Objective:* Monitor industry trends and skill demand through analytics insights.
  - *Motivation:* Nadeesha aims to proactively adapt her skill set to match market demands, staying ahead of trends for better positioning in the freelancing market.
3. **Enhance Client Interaction:**
  - *Objective:* Use analytics to tailor communication and engagement strategies with potential clients.
  - *Motivation:* Nadeesha understands the importance of personalized interactions and wants to leverage analytics to enhance client engagement.

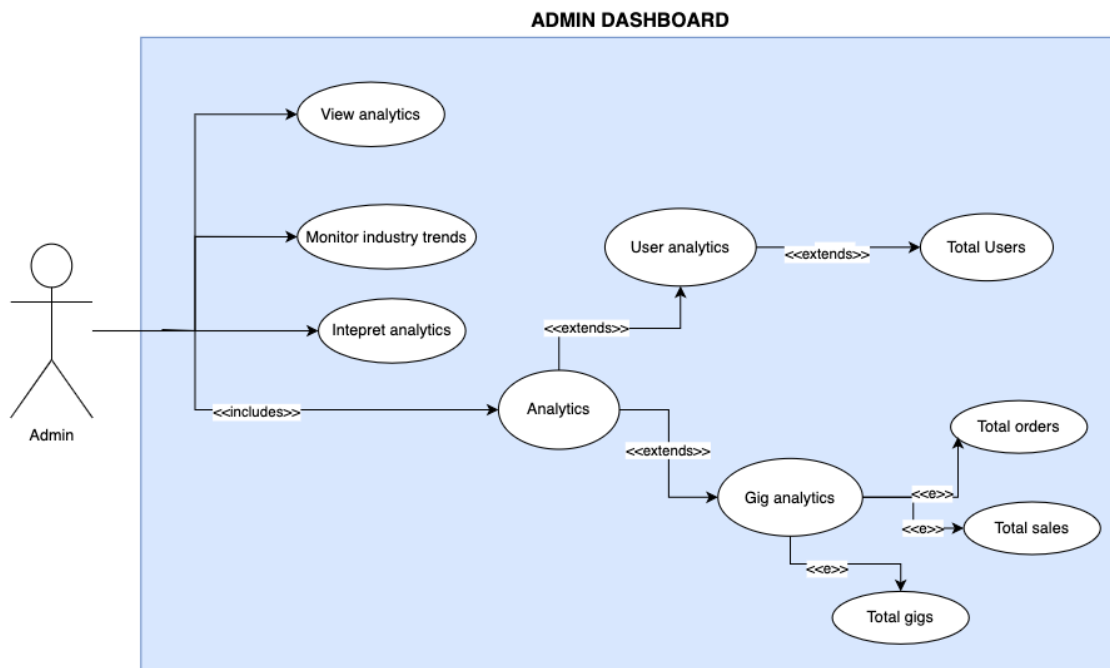
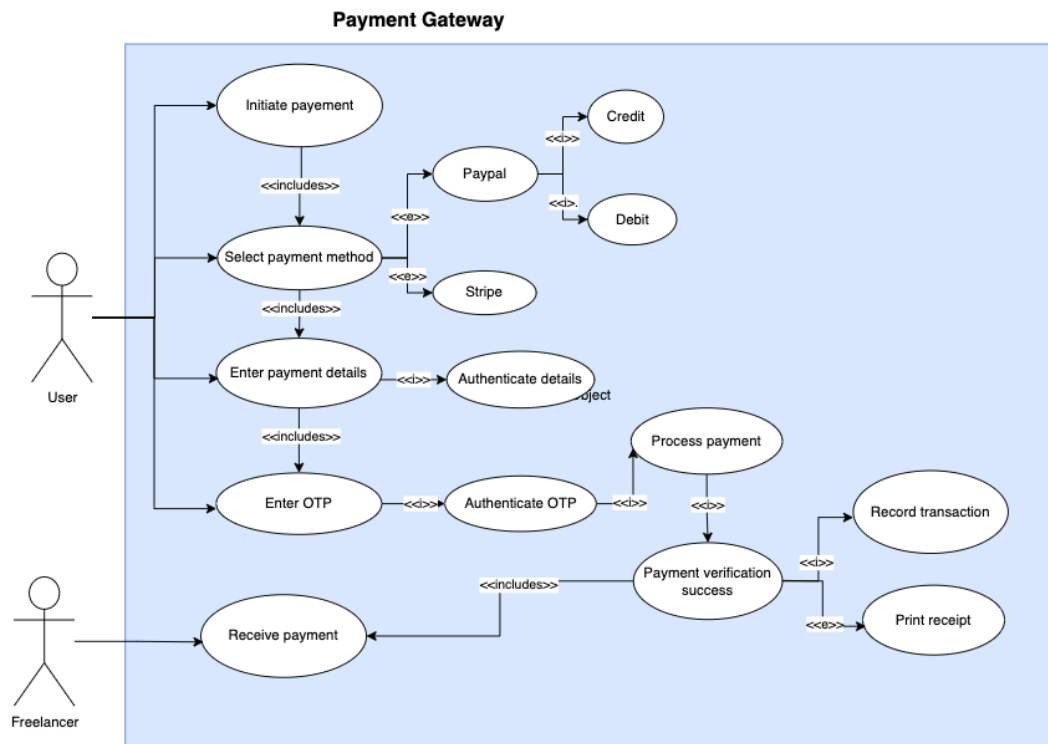
### **Challenges:**

- **Interpretation Accuracy:**
  - *Challenge:* Ensuring accurate interpretation of analytics data.
  - *Impact:* Nadeesha is cautious about making informed decisions based on analytics and seeks user-friendly interfaces to facilitate understanding.
- **Integration with Workflow:**
  - *Challenge:* Integrating regular analytics reviews into her busy freelancing workflow.
  - *Impact:* Nadeesha needs a seamless integration of analytics activities without disrupting her ongoing projects.

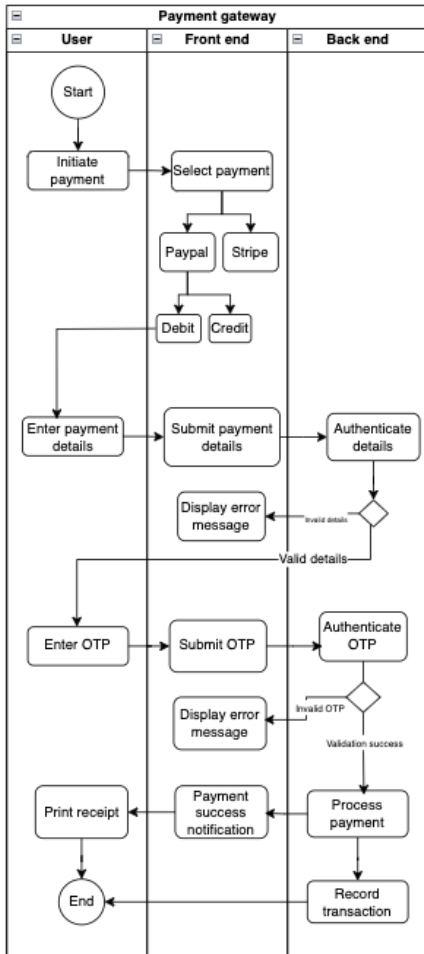
### **Pain Points:**

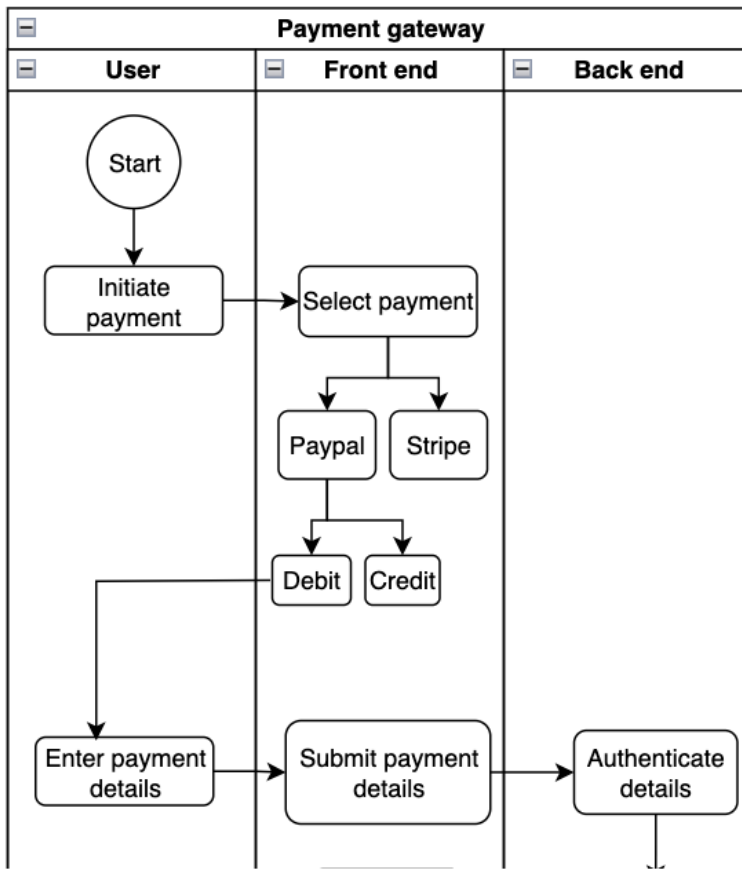
1. **Technical Learning Curve:**
  - *Challenge:* Overcoming technical challenges associated with analytics tools.
  - *Impact:* Nadeesha may face difficulties navigating analytics interfaces, impacting her ability to extract meaningful insights.
2. **Time Constraints:**
  - *Challenge:* Allocating dedicated time for regular analytics reviews.
  - *Impact:* Nadeesha's busy schedule makes it challenging to consistently engage with analytics, potentially hindering the optimization of her freelancing strategy.

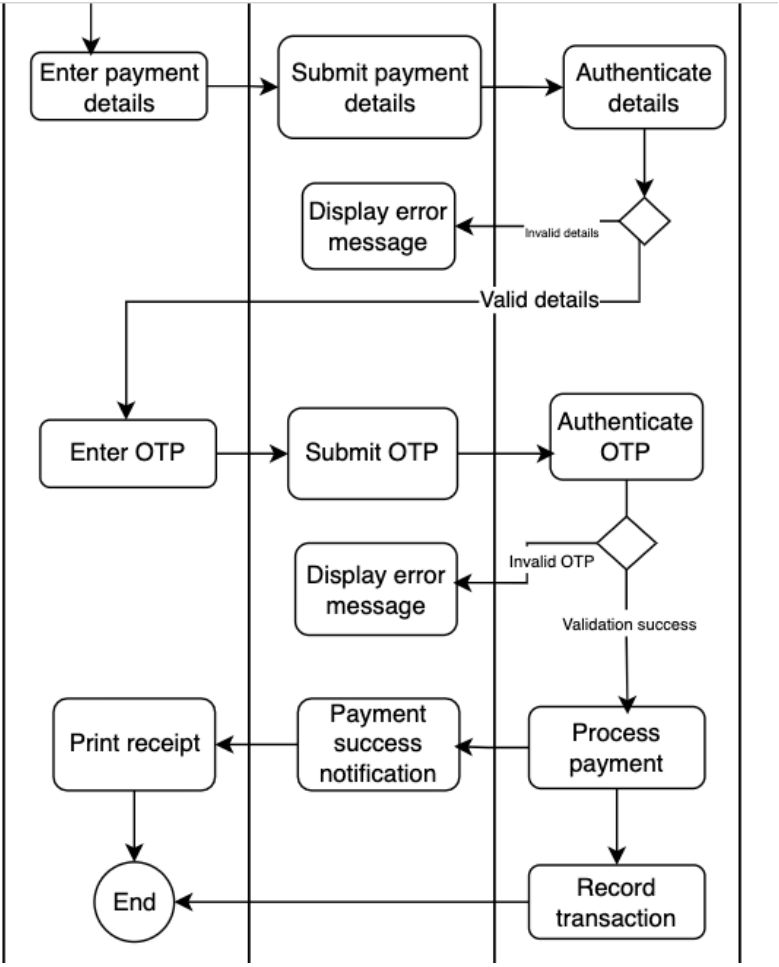
### 7.7.3 Use Case Diagram



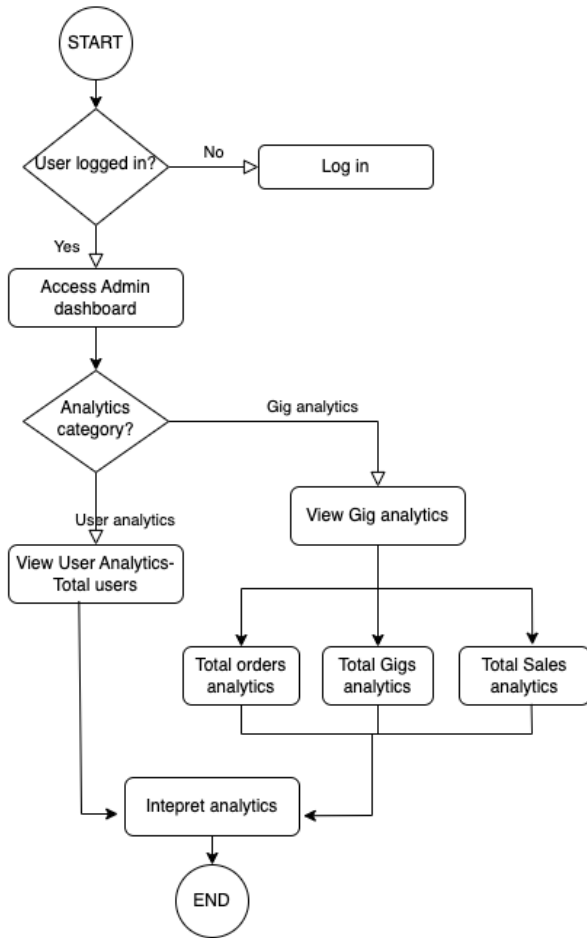
### 7.7.4 Activity Diagram

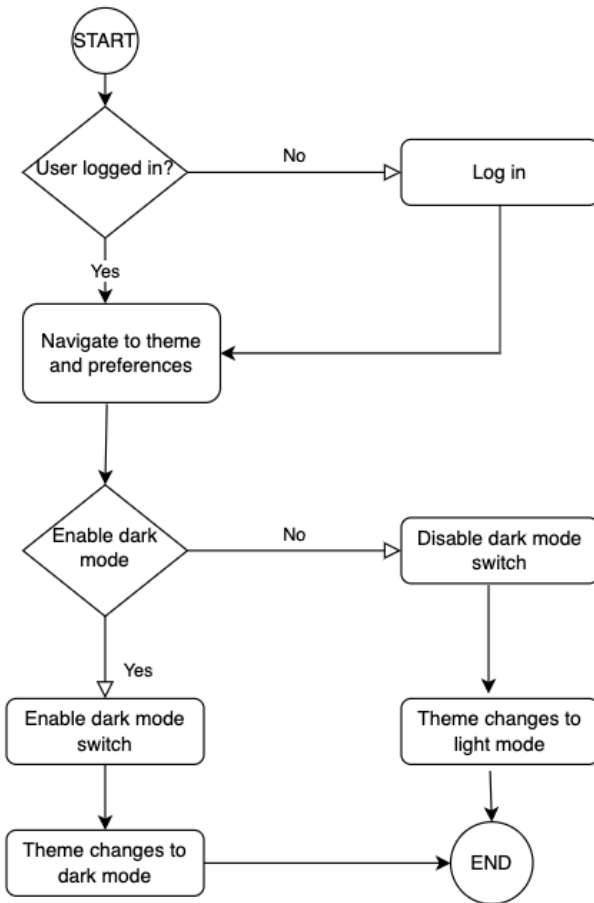








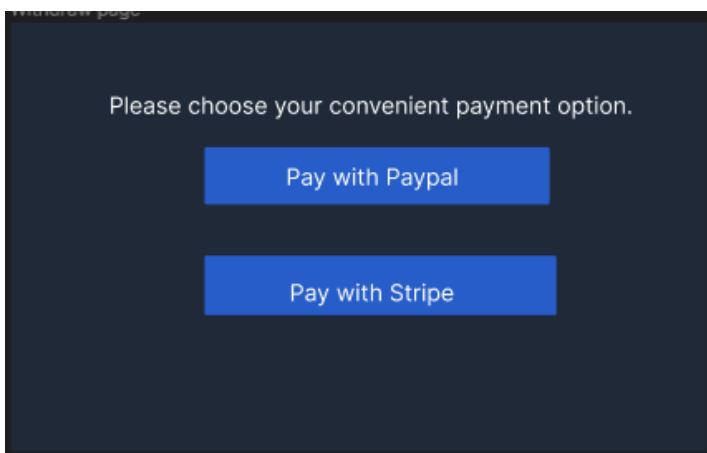




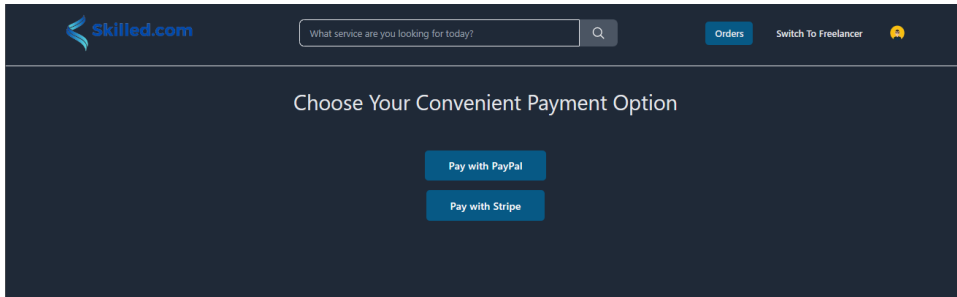
## 7.8 Solution Design (wireframe/Interfaces)

### *Payment method*

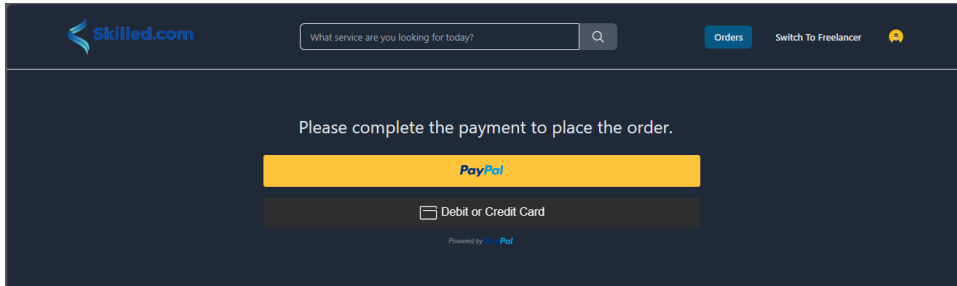
#### Design



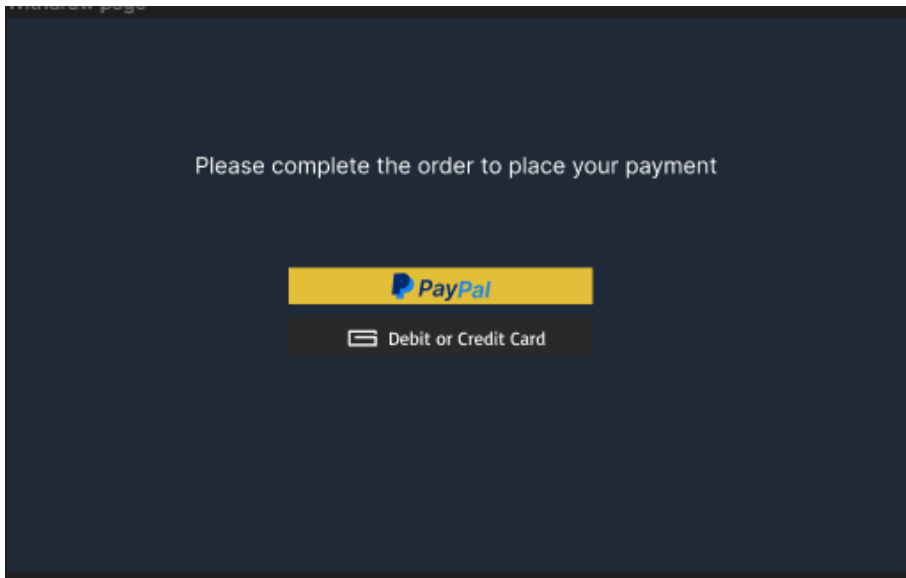
#### Implementation



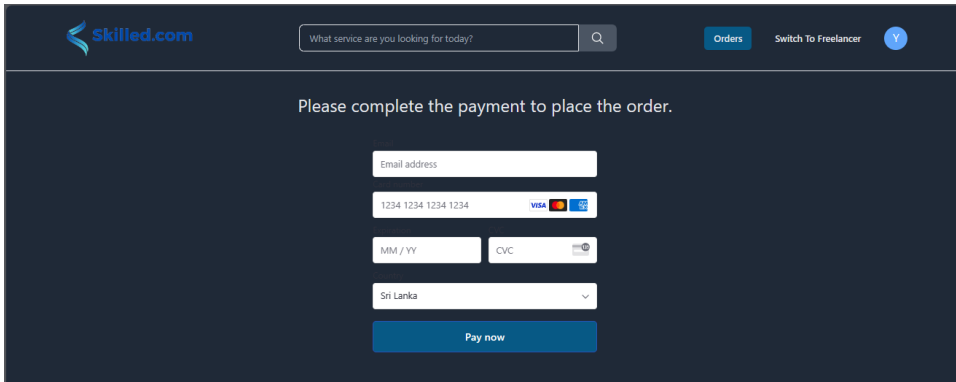
## User Interface



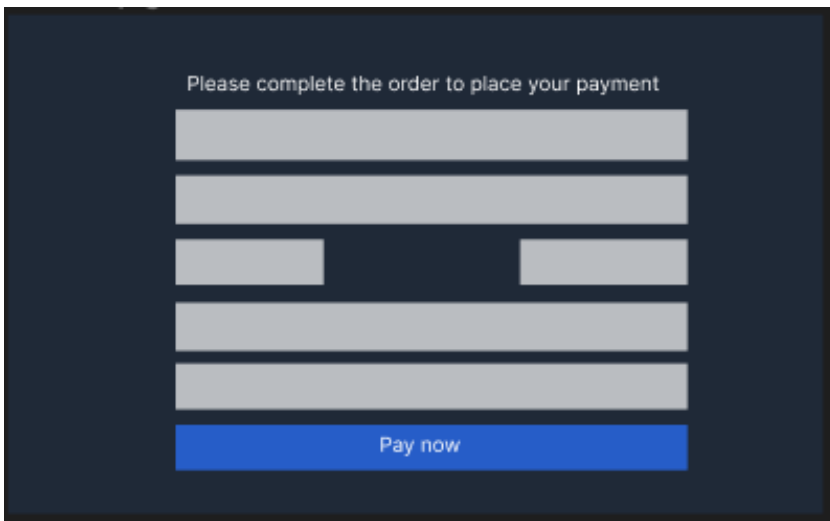
## Design



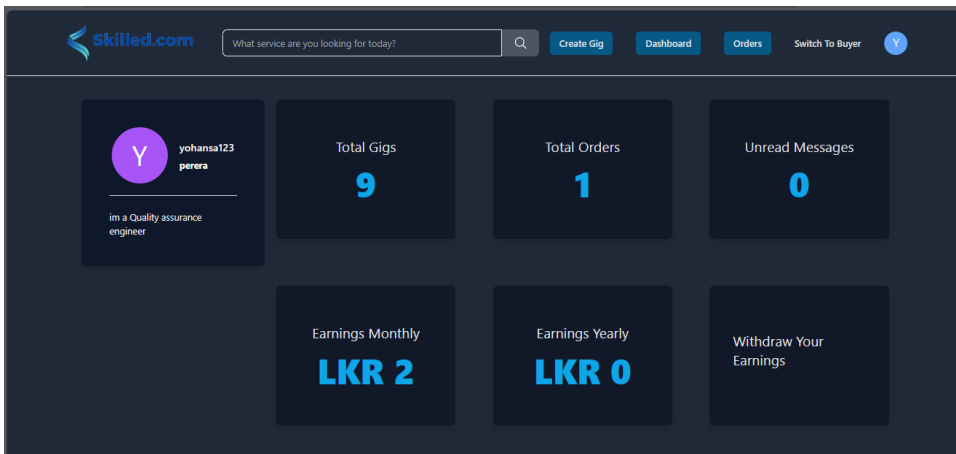
## User Interface



## Design



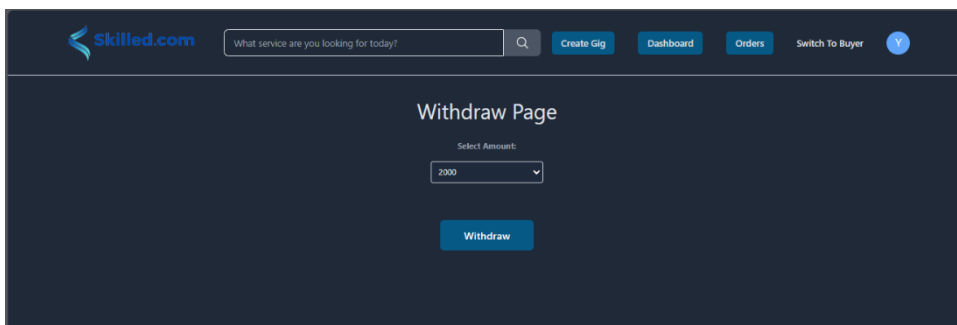
## Personalized Feature



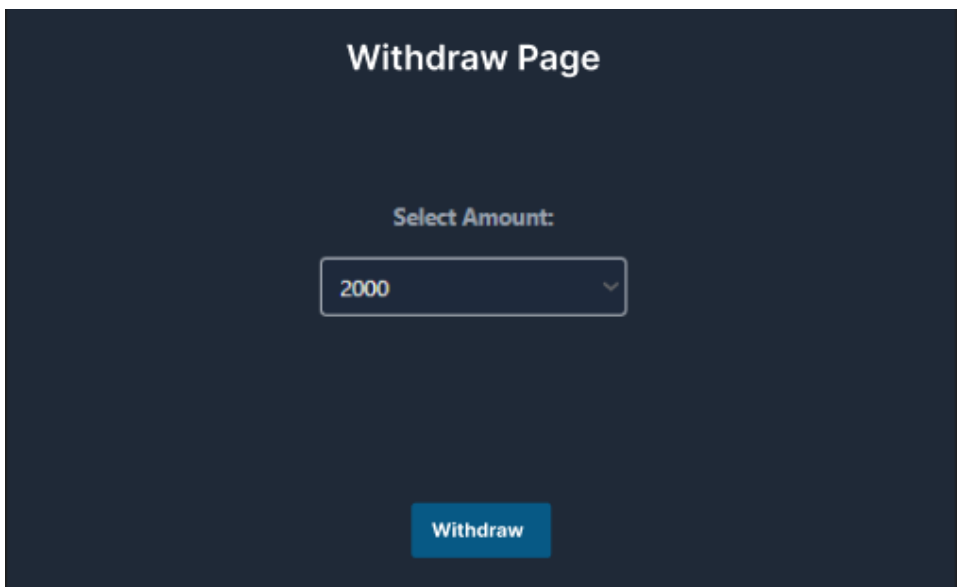
## Design



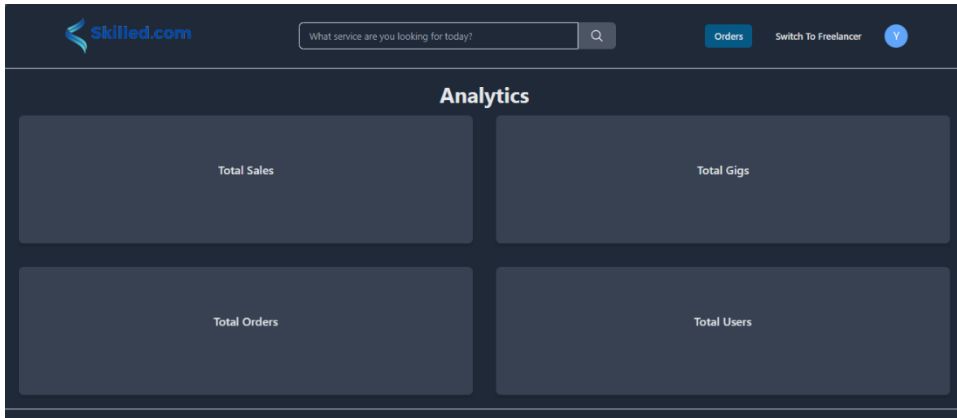
## User Interface



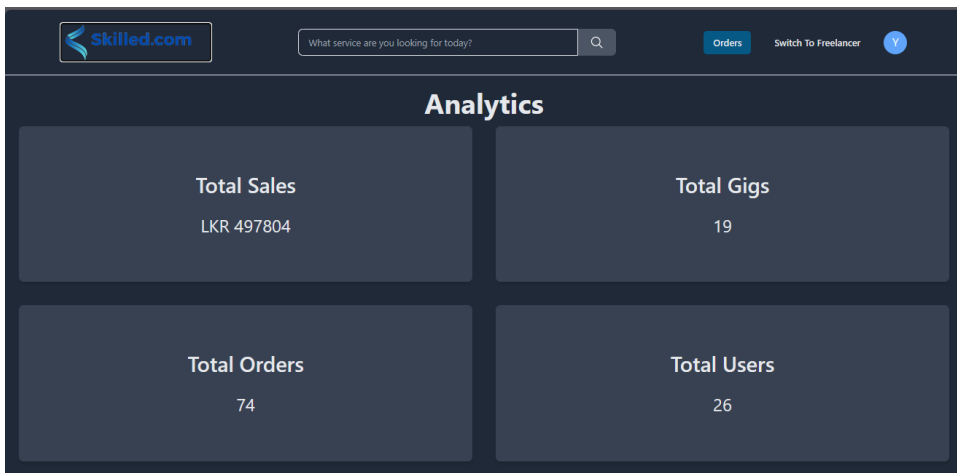
## Design



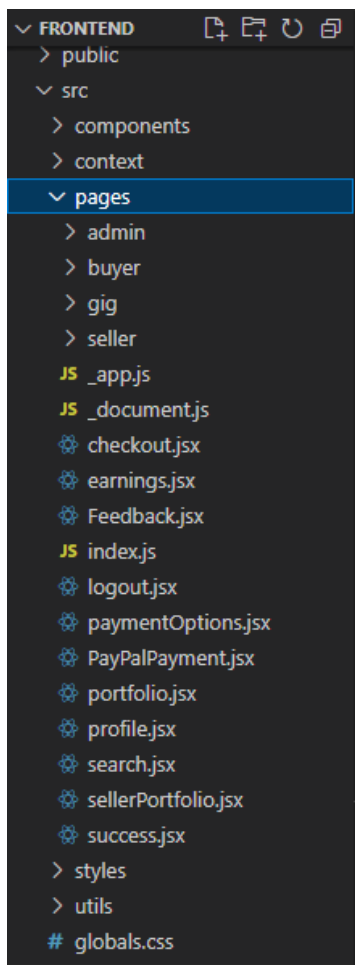
## Admin analytics



## Design



## 7.9 Vs Code Folder Structure



## 7.10 Test Cases

### 7.10.1 Functional Testing

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Test Results	Status	Priority	Severity
<b>Feature - Change theme depend on the browser theme</b>								
DFTT_001	Verify that the application's theme changes automatically based on the browser's theme.	<ol style="list-style-type: none"> <li>1) Open the application in a browser with a light theme.</li> <li>2) Navigate to any page of the application.</li> </ol>	<ol style="list-style-type: none"> <li>1) <a href="#">skilled-frontend.vercel.app</a></li> <li>2) Browser with a light theme.</li> <li>3) Email : sumudu@gmail.com</li> <li>4) Password : 12345678</li> </ol>	The application's theme should change to a light theme, consistent with the browser's theme.	The application's theme changes to a light theme based on the browser's theme.	Passed	High	High
DFTT_002	Verify that the dark theme is applied consistently across all pages.	<ol style="list-style-type: none"> <li>1) Open the application in a browser with a light theme.</li> <li>2) Navigate to any page of the application.</li> </ol>	<ol style="list-style-type: none"> <li>1) <a href="#">skilled-frontend.vercel.app</a></li> <li>2) Browser with a dark theme.</li> <li>3) Email : sumudu@gmail.com</li> <li>4) Password : 12345678</li> </ol>	The dark theme should be applied consistently across all pages.	The dark theme is consistently applied across all pages.	Passed	High	High
DFTT_003	Test the dark theme switch in scenarios where the user logs in/out.	<ol style="list-style-type: none"> <li>1) Log in to the application.</li> <li>2) Verify that the dark theme is applied.</li> <li>3) Log out of the application.</li> <li>4) Verify that the dark theme persists on the login page.</li> </ol>	<ol style="list-style-type: none"> <li>1) <a href="#">skilled-frontend.vercel.app</a></li> <li>2) Browser with a dark theme and light theme.</li> <li>3) Email : sumudu@gmail.com</li> <li>4) Password : 12345678</li> </ol>	The dark theme should be applied consistently, regardless of the user's login/logout state.	The dark theme is consistently applied, both during user login and on the login page after logout.	Passed	High	High
<b>Feature -Different payout methods</b>								
DPM_001	Test Visa/Debit Payment Method	<ol style="list-style-type: none"> <li>1. Log in to the freelancing platform using provided login details.</li> <li>2. Search for a gig to purchase.</li> <li>3. Click on the "Continue" button.</li> <li>4. Choose the "Pay with Stripe" option.</li> <li>5. Enter valid Visa/Debit card details (use provided card details).</li> <li>6. Confirm the payment.</li> </ol>	<ol style="list-style-type: none"> <li>1) <a href="#">skilled-frontend.vercel.app</a></li> <li>2) Email: sumudu@gmail.com</li> <li>3) Password: 12345678</li> <li>4) Valid Visa/Debit card details (e.g., card number: 4242 4242 4242 4242)</li> </ol>	The payment is processed successfully. The platform displays a confirmation message.	The payment is processed successfully. The platform displays a confirmation message.	Passed	High	High
DPM_002	Test Paypal Payment Method	<ol style="list-style-type: none"> <li>1. Log in to the freelancing platform using provided login details.</li> <li>2. Search for a gig to purchase.</li> <li>3. Click on the "Continue" button.</li> <li>4. Choose the "Pay with PayPal" option.</li> <li>5. Log in to the PayPal account.</li> <li>6. Confirm the payment.</li> </ol>	<ol style="list-style-type: none"> <li>1) <a href="#">skilled-frontend.vercel.app</a></li> <li>2) Email: sumudu@gmail.com</li> <li>3) Password: 12345678</li> <li>4) Valid PayPal account credentials.</li> </ol>	The payment is processed successfully through PayPal. The platform displays a confirmation message.	The payment is processed successfully through PayPal. The platform displays a confirmation message.	Passed	High	High
DPM_003	Test Switching Between Payment Methods	<ol style="list-style-type: none"> <li>1. Log in to the freelancing platform using provided login details.</li> <li>2. Search for a gig to purchase.</li> <li>3. Click on the "Continue" button.</li> <li>4. Choose one payment method (e.g., Pay with Stripe).</li> <li>5. Navigate back to the payment page and switch to another method (e.g., Pay with PayPal).</li> <li>6. Confirm the payment.</li> </ol>	<ol style="list-style-type: none"> <li>1) <a href="#">skilled-frontend.vercel.app</a></li> <li>2) Email: sumudu@gmail.com</li> <li>3) Password: 12345678</li> <li>4) Valid Visa/Debit card details (e.g., card number: 4242 4242 4242 4242)</li> </ol>	The platform allows smooth switching between payment methods. The payment is processed successfully with the selected method.	The platform allows smooth switching between payment methods. The payment is processed successfully with the selected method.	Passed	High	Medium
<b>Feature -Admin analytics</b>								
AA_001	Confirm Admin Access to Analytics Section	<ol style="list-style-type: none"> <li>1. Log in as an admin.</li> <li>2. After redirecting to the admin dashboard, click on "Analytics View Details."</li> </ol>	<ol style="list-style-type: none"> <li>1) <a href="#">skilled-frontend.vercel.app</a></li> <li>2) Email: sumudu@gmail.com (as an admin)</li> <li>3) Password: 12345678</li> </ol>	The admin should have access to the Analytics section. Analytics should be visible.	The admin should have access to the Analytics section. Analytics should be visible.	Passed	High	High
AA_002	Verify Correct Display of Analytics Data	<ol style="list-style-type: none"> <li>1. Log in as an admin.</li> <li>2. After redirecting to the admin dashboard, click on "Analytics View Details."</li> <li>3. Verify that the analytics data for total users, total gigs, total orders, and total earnings is displayed correctly.</li> </ol>	<ol style="list-style-type: none"> <li>1) <a href="#">skilled-frontend.vercel.app</a></li> <li>2) Email: sumudu@gmail.com (as an admin)</li> <li>3) Password: 12345678</li> </ol>	The analytics data for total users, total gigs, total orders, and total earnings should be displayed accurately.	The analytics data for total users, total gigs, total orders, and total earnings should be displayed accurately.	Passed	High	Medium
AA_003	Test Behavior of Analytics with No Data	<ol style="list-style-type: none"> <li>1. Log in as an admin.</li> <li>2. After redirecting to the admin dashboard, click on "Analytics View Details."</li> <li>3. Ensure there is no data available for total users, total gigs, total orders, and total earnings.</li> </ol>	<ol style="list-style-type: none"> <li>1) <a href="#">skilled-frontend.vercel.app</a></li> <li>2) Email: sumudu@gmail.com (as an admin)</li> <li>3) Password: 12345678</li> </ol>	The analytics section should handle the absence of data gracefully, possibly displaying a message indicating no data.	The analytics section should handle the absence of data gracefully, possibly displaying a message indicating no data.	Passed	High	Medium



## 7.10.2 UI Testing

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Test Results	Status	Priority	Severity
<b>Feature - Change theme depend on the browser theme</b>								
DTUIT_001	Check that UI components are visually appealing in both light and dark themes.	<ol style="list-style-type: none"> <li>1) Open the application at <a href="#">skilled-frontend.vercel.app</a> in a browser with a light theme.</li> <li>2) Log in with the provided credentials</li> <li>3) Navigate to different pages with various UI components.</li> <li>4) Switch the theme to dark.</li> <li>5) Verify the appearance of UI components on each page.</li> </ol>	<ol style="list-style-type: none"> <li>1) Browser with light and dark theme support.</li> <li>2) <b>skilled-frontend.vercel.app</b></li> <li>3) Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a></li> <li>4) Password: 12345678</li> </ol>	UI components should be visually appealing and maintain a consistent design in both light and dark themes.	UI components exhibit a visually appealing design in both light and dark themes.	Passed	High	High
DTUIT_002	Ensure text and icons have proper contrast for readability.	<ol style="list-style-type: none"> <li>1) Open the application at <a href="#">skilled-frontend.vercel.app</a> in a browser with a light theme.</li> <li>2) Log in with the provided credentials</li> <li>3) Inspect text and icons on different pages.</li> <li>4) Switch the theme to dark.</li> <li>5) Verify the contrast of text and icons on each page.</li> </ol>	<ol style="list-style-type: none"> <li>1) Browser with light and dark theme support.</li> <li>2) <b>skilled-frontend.vercel.app</b></li> <li>3) Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a></li> <li>4) Password: 12345678</li> </ol>	Text and icons should maintain proper contrast for readability in both light and dark themes.	Text and icons exhibit proper contrast for readability in both light and dark themes.	Passed	High	High
DTUIT_003	Validate that all UI components, including buttons and form elements, are consistent in both themes.	<ol style="list-style-type: none"> <li>1) Open the application at <a href="#">skilled-frontend.vercel.app</a> in a browser with a light theme.</li> <li>2) Log in with the provided credentials</li> <li>3) Inspect text and icons on different pages.</li> <li>4) Switch the theme to dark.</li> <li>5) Verify the contrast of text and icons on each page.</li> </ol>	<ol style="list-style-type: none"> <li>1) Browser with light and dark theme support.</li> <li>2) <b>skilled-frontend.vercel.app</b></li> <li>3) Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a></li> <li>4) Password: 12345678</li> </ol>	UI components, including buttons and form elements, should be consistent in design and behavior in both light and dark themes.	UI components, including buttons and form elements, exhibit consistency in design and behavior in both light and dark themes.	Passed	High	High
DTUIT_004	Ensure the dark theme adheres to accessibility standards for color contrast.	<ol style="list-style-type: none"> <li>1) Open the application at <a href="#">skilled-frontend.vercel.app</a> in a browser with a dark theme.</li> <li>2) Log in with the provided credentials.</li> <li>3) Inspect UI components to ensure the dark theme adheres to accessibility standards for color contrast.</li> </ol>	<ol style="list-style-type: none"> <li>1) Browser with dark theme support.</li> <li>2) <b>skilled-frontend.vercel.app</b></li> <li>3) Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a></li> <li>4) Password: 12345678</li> </ol>	The dark theme should adhere to accessibility standards for color contrast, ensuring readability for all users.	The dark theme adheres to accessibility standards for color contrast.	Passed	High	High
<b>Feature - Different payout methods</b>								
UITC_001	Confirm Payment Methods Display	<ol style="list-style-type: none"> <li>1. Log in as a user (freelancer) at <a href="#">skilled-frontend.vercel.app</a>.</li> <li>2. Navigate to the payment section during the checkout process.</li> </ol>	<ol style="list-style-type: none"> <li>1) User login credentials: - Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a></li> <li>2) Password: 12345678</li> <li>3) Gig for purchase.</li> </ol>	Payment methods (e.g., Visa/Debit, PayPal) should be displayed clearly. Each payment method option should have a recognizable logo/icon.	Payment methods (e.g., Visa/Debit, PayPal) should be displayed clearly. Each payment method option should have a recognizable logo/icon.	Passed	High	High
UITC_002	Validate Clear Instructions for Each Payment Method	<ol style="list-style-type: none"> <li>1. Log in as a user (freelancer) at <a href="#">skilled-frontend.vercel.app</a>.</li> <li>2. Navigate to the payment section during the checkout process.</li> <li>3. Select a payment method (e.g., Visa/Debit).</li> </ol>	<ol style="list-style-type: none"> <li>1) User login credentials: - Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a></li> <li>2) Password: 12345678</li> <li>3) Gig for purchase.</li> </ol>	Clear instructions for the selected payment method should be visible, guiding the user on how to proceed. - Instructions should include details on required information (e.g., card details).	Clear instructions for the selected payment method should be visible, guiding the user on how to proceed. - Instructions should include details on required information (e.g., card details).	Passed	High	High

UITC_003	Test UI Responsiveness for Different Payment Method Selection	1. Log in as a user (freelancer) at skilled-frontend.vercel.app. 2. Navigate to the payment section during the checkout process. 3. Switch between payment methods (e.g., Visa/Debit and PayPal).	1) User login credentials: - Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a> 2) Password: 12345678 3) Gig for purchase.	The UI should respond seamlessly when switching between different payment methods. Each payment method's UI components should load correctly.	The UI should respond seamlessly when switching between different payment methods. Each payment method's UI components should load correctly.	Passed	High	High
UITC_004	Verify Clear Display of Error Messages for Payment Issues	1. Log in as a user (freelancer) at skilled-frontend.vercel.app. 2. Navigate to the payment section during the checkout process. 3. Intentionally provide incorrect payment details.	1) User login credentials: - Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a> 2) Password: 12345678 3) Gig for purchase. 4) Incorrect payment details.	Clear error messages should be displayed if there are issues with payment processing. Error messages should indicate the nature of the issue and provide guidance on resolving it.	Clear error messages should be displayed if there are issues with payment processing. Error messages should indicate the nature of the issue and provide guidance on resolving it.	Passed	High	Medium

**Feature -Admin analytics**

UIAATC_001	Confirm Analytics Display on Admin Dashboard	1. Log in as an admin. 2. Navigate to the admin dashboard. 3. Click on the "Analytics" section or "View Details" button.	1) User login credentials: - Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a> 2) Password: 12345678 3) skilled-frontend.vercel.app	The analytics section should display total user count, total gigs, total orders, and total sales prominently. Each metric should be clearly labeled and easily readable.	The analytics section should display total user count, total gigs, total orders, and total sales prominently. Each metric should be clearly labeled and easily readable.	Passed	High	Medium
UIAATC_002	Validate UI Clarity for Analytics Data	1. Log in as an admin. 2. Navigate to the admin dashboard. 3. Click on the "Analytics" section or "View Details" button.	1) User login credentials: - Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a> 2) Password: 12345678 3) skilled-frontend.vercel.app	Each analytics metric (total user count, total gigs, total orders, total sales) should be presented with clear labels and concise information. The UI should not be cluttered, ensuring easy comprehension of analytics data.	Each analytics metric (total user count, total gigs, total orders, total sales) should be presented with clear labels and concise information. The UI should not be cluttered, ensuring easy comprehension of analytics data.	Passed	High	Medium
UIAATC_003	Verify Clear Display of Analytics Data in the Absence of Information	1. Log in as an admin. 2. Navigate to the admin dashboard. 3. Click on the "Analytics" section or "View Details" button.	1) User login credentials: - Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a> 2) Password: 12345678 3) skilled-frontend.vercel.app	If there is no analytics data available, the UI should display a clear message indicating the absence of information. The absence of data should not result in a confusing or cluttered display.	If there is no analytics data available, the UI should display a clear message indicating the absence of information. The absence of data should not result in a confusing or cluttered display.	Passed	Medium	Low

### 7.10.3 Requirement Testing

Pain Point	How we addressed the pain point	User Story
Light affects Ayesha's coding productivity during late-night sessions.	Implemented a dark theme to the user. If the user's system (browser) theme is dark, it will automatically apply the dark theme. If the user have light theme as default, our website apply the light theme automatically.	As a Software Developer, I want to switch between light and dark modes on the freelance platform to enhance my visual comfort during different lighting conditions.
Balancing tight project timelines with the need to hire freelancers and pay them securely.	Implemented a secure and efficient payment process for freelancers.	As a Client, I want to make payments securely and efficiently on the freelancing platform to ensure a smooth transaction process and build trust with freelancers.
To maintain the website properly admin need to have statistical analytics about the platform.	Developed a user-friendly analytics feature with straight on-point analytics.	As an admin, I want to access analytics on the SKILLED.COM platform to get a basic analytics for effective platform management.

## 7.10.4 Integration Testing

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Test Results	Status	Priority	Severity
DTIT_001	Check that the dark theme integrates seamlessly with all UI components.	<ol style="list-style-type: none"> <li>1) Open the application at <a href="#">skilled-frontend.vercel.app</a> in a browser with a light theme.</li> <li>2) Log in with the provided credentials.</li> <li>3) Navigate to different pages and ensure that UI components transition smoothly to the dark theme.</li> <li>4) Verify the dark theme's integration with all UI components, including buttons, forms, and other elements.</li> </ol>	<ol style="list-style-type: none"> <li>1) Browser with light and dark theme support.</li> <li>2) <a href="#">skilled-frontend.vercel.app</a></li> <li>3) Email: sumudu@gmail.com</li> <li>4) Password: 12345678</li> </ol>	UI components should seamlessly transition to the dark theme without any visual glitches.	UI components transition smoothly to the dark theme without visual glitches.	Passed	High	High
DTIT_002	Check that the dark theme integrates seamlessly with third-party libraries or components.	<ol style="list-style-type: none"> <li>1) Inspect the third-party libraries or components used in the application (e.g., Tailwind CSS).</li> <li>2) Open the application at <a href="#">skilled-frontend.vercel.app</a> in a browser with a light theme.</li> <li>3) Log in with the provided credentials.</li> <li>4) Switch the theme to dark.</li> <li>5) Verify the integration of the dark theme with third-party libraries or components.</li> </ol>	<ol style="list-style-type: none"> <li>1) Browser with light and dark theme support.</li> <li>2) <a href="#">skilled-frontend.vercel.app</a></li> <li>3) Email: sumudu@gmail.com</li> <li>4) Password: 12345678</li> </ol>	The dark theme should integrate seamlessly with third-party libraries or components without causing any conflicts or issues.	The dark theme integrates seamlessly with third-party libraries or components.	Passed	High	High
PMIN_001	Validate Payment Processing Integration	<ol style="list-style-type: none"> <li>1. Log in as a user (freelancer) at <a href="#">skilled-frontend.vercel.app</a>.</li> <li>2. Navigate to the payment section during the checkout process.</li> <li>3. Complete a payment transaction.</li> </ol>	<ol style="list-style-type: none"> <li>1) User login credentials</li> <li>2) Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a></li> <li>3) Password: 12345678</li> <li>4) Gig for purchase.</li> <li>5) Valid payment details.</li> </ol>	Payment processing should integrate correctly with the backend - the backend should confirm the successful processing of the payment.	Payment processing should integrate correctly with the backend. The backend should confirm the successful processing of the payment.	Passed	High	Medium
PMIN_002	Test Integration of Payment Gateways	<ol style="list-style-type: none"> <li>1. Log in as a user (freelancer) at <a href="#">skilled-frontend.vercel.app</a>.</li> <li>2. Navigate to the payment section during the checkout process.</li> <li>3. Complete a payment transaction using different payment gateways (e.g., Stripe, PayPal).</li> </ol>	<ol style="list-style-type: none"> <li>1) User login credentials</li> <li>2) Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a></li> <li>3) Password: 12345678</li> <li>4) Gig for purchase.</li> <li>5) Valid payment details.</li> </ol>	- Payment gateways should integrate seamlessly with the frontend. - Data transmission during payment should be secure.	Payment gateways should integrate seamlessly with the frontend. Data transmission during payment should be secure.	Passed	High	Medium
AAIN_001	Ensure Data Retrieval for Analytics Integration	<ol style="list-style-type: none"> <li>1. Log in as an admin at <a href="#">skilled-frontend.vercel.app</a>.</li> <li>2. Navigate to the admin dashboard and click on Analytics "view details."</li> </ol>	<ol style="list-style-type: none"> <li>1) Admin login credentials</li> <li>2) Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a></li> <li>3) Password: 12345678</li> </ol>	- Data retrieval for analytics should integrate properly with the backend. - The analytics dashboard should display up-to-date information.	- Data retrieval for analytics should integrate properly with the backend. - The analytics dashboard should display up-to-date information.	Passed	High	Medium
AAIN_002	Verify Integration of Data from Different Sources	<ol style="list-style-type: none"> <li>1. Log in as an admin at <a href="#">skilled-frontend.vercel.app</a>.</li> <li>2. Navigate to the admin dashboard and click on Analytics "view details."</li> <li>3. Confirm that analytics data includes information from different sources (e.g., user data, gig data, order data).</li> </ol>	<ol style="list-style-type: none"> <li>1) Admin login credentials</li> <li>2) Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a></li> <li>3) Password: 12345678</li> </ol>	- Data from different sources should integrate correctly into the analytics dashboard. - The analytics dashboard should provide a comprehensive overview.	- Data from different sources should integrate correctly into the analytics dashboard. - The analytics dashboard should provide a comprehensive overview.	Passed	High	Medium

## 7.10.5 Non-Functional Testing

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Results	Actual Test Results	Status	Priority	Severity
<b>Feature - Change theme depend on the browser theme</b>								
DTNFT_001	Evaluate the performance of the application with both light and dark themes.	1) Use a performance testing tool (LoadRunner) to measure the application's performance with a light theme. 2) Record key performance metrics, including page load times, response times, and resource utilization. 3) Switch the theme to dark. 4) Repeat the performance testing and record the same set of metrics.	1) Performance testing tool (LoadRunner). 2) Application URL: skilled-frontend.vercel.app	The application should maintain optimal performance metrics with both light and dark themes.	Performance metrics are consistent and optimal with both light and dark themes.	Passed	Medium	Medium
DTNFT_002	Evaluate the loading time of pages when switching between themes.	1) Open the application at skilled-frontend.vercel.app in a browser with a light theme. 2) Use a stopwatch or browser developer tools to measure the time it takes for pages to load. 3) Switch the theme to dark. 4) Repeat step 2 and measure the time it takes for pages to load with the dark theme.	1) Browser developer tools. 2) skilled-frontend.vercel.app	Page loading times should be reasonable and consistent when switching between light and dark themes.	Page loading times are reasonable and consistent when switching between light and dark themes.	Passed	Medium	Medium
<b>Feature - Different payout methods</b>								
DPMNFT_001	Validate Payment Processing Performance	1. Simulate multiple users completing payment transactions simultaneously. 2. Monitor the response time and system performance during peak usage.	1) Admin login credentials 2) Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a> 3) Password: 12345678	Payment processing should perform efficiently under peak load. - Response time should be within acceptable limits.	Payment processing should perform efficiently under peak load. - Response time should be within acceptable limits.	Passed	Medium	Low
DPMNFT_002	Test Integration of Payment Gateways for Security	1. Perform security testing on payment gateways to identify vulnerabilities. 2. Validate the use of encryption during data transmission.	1) Admin login credentials 2) Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a> 3) Password: 12345678	- Payment gateways should be secure and free from vulnerabilities. - Data transmission during payment should be encrypted and secure.	- Payment gateways should be secure and free from vulnerabilities. - Data transmission during payment should be encrypted and secure.	Passed	High	Medium
<b>Feature - Admin analytics</b>								
AANFT_001	Ensure Data Retrieval for Analytics Performance	1. Simulate multiple admins accessing analytics simultaneously. 2. Monitor the response time and system performance during peak usage.	1) Admin login credentials 2) Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a> 3) Password: 12345678	- Data retrieval for analytics should perform efficiently under peak load. - Response time should be within acceptable limits.	- Data retrieval for analytics should perform efficiently under peak load. - Response time should be within acceptable limits.	Passed	Medium	Low
AANFT_002	Verify Integration of Data from Different Sources	1. Monitor the analytics dashboard for the correct integration of data from various sources. 2. Evaluate the performance impact of integrating diverse data types.	1) Admin login credentials 2) Email: <a href="mailto:sumudu@gmail.com">sumudu@gmail.com</a> 3) Password: 12345678	- Data from different sources should integrate correctly into the analytics dashboard. - The analytics dashboard should handle diverse data types without significant performance degradation.	- Data from different sources should integrate correctly into the analytics dashboard. - The analytics dashboard should handle diverse data types without significant performance degradation.	Passed	High	Medium

## 8.0 Sprint Retrospective

### 8.1 Sprint Retrospective by Akitha (Scrum Master)

What Went Well:

The sprint, marking the final leg of our journey, saw remarkable achievements and collaborative efforts. The implementation of Dark Mode, Personalized Payout Options, and Site Analytics

demonstrated the team's proficiency and dedication. We successfully incorporated user feedback, leading to positive responses during initial testing. The team's coordination remained strong, with effective communication channels and a collective commitment to project success.

#### Challenges Faced:

Despite our successes, we encountered challenges in the deployment process, causing minor delays. Additionally, resource constraints impacted feature testing timelines, and occasional miscommunication between frontend and backend teams led to temporary setbacks. Identifying post-release issues in Dark Mode underscored the importance of meticulous testing.

#### Improvements for the Final Product:

Looking towards the final product, we aim to address deployment issues, enhance communication flows, and establish rigorous post-release monitoring. Our focus on refining user stories and acceptance criteria will ensure that all features align seamlessly with user expectations. These improvements are crucial for delivering a polished and reliable freelance platform.

#### Individual Opinions of Team Members:

Sumuditha (QA): As the Scrum Master, I value Sumuditha's dedication to ensuring the quality of our features. His attention to detail during testing has been instrumental in identifying potential issues early on. His commitment to maintaining high-quality standards is commendable.

Akitha (Scrum Master): Akitha has played a pivotal role as a Scrum Master during this sprint. His leadership and coordination skills have been crucial in keeping the team aligned with our goals. His proactive approach in addressing challenges and facilitating communication has significantly contributed to the sprint's success.

Anumm (BA): Anumm's insights as a Business Analyst have been invaluable in shaping our features. Her ability to translate user requirements into actionable tasks has streamlined our development process. I appreciate her efforts in refining user stories and ensuring that our features align with user expectations.

Biseni (Developer): Biseni's development skills have been crucial in bringing our features to life. His dedication to implementing the Dark Mode, Personalized Payout Options, and Site Analytics is evident in the quality of the code. Biseni's collaborative spirit and responsiveness to feedback have enhanced the overall development process.

## 8.2 Sprint Retrospective by Anumm (Business Analyst)

As the Business Analyst for our local freelancers' web platform project, I played a crucial role in shaping the requirements and features during the final sprint of our project.

#### What went well:

1. User stories
  - The user stories for the analytics feature, dark mode feature and payment gateway were crafted with precision, outlining the specific needs, goals, challenges, and pain points of users interacting with the analytics functionality. Each user story provided a narrative that encapsulated the user's journey, ensuring a clear understanding of their motivations and expectations.

2. User personas:

- User personas were carefully developed to embody the characteristics and goals of the intended user base. These personas were an accurate representation of real users, aiding in decisions and aligning the feature development with the diverse needs of the target audience.

3. Activity diagrams:

- The activity diagram for the analytics feature, dark mode feature and payment gateway served as a visual representation of the dynamic flow of activities within the system. Every step in the process, from the initial login to the interpretation of analytics and subsequent adjustments to the freelancing strategy, was precisely mapped out. Decision points and parallel activities were identified, providing a comprehensive overview of the entire workflow. Further, swim lanes were used to categorize the actors with the respective functions

4. High level use case diagrams:

- The high-level use case diagram consists of the interactions between the main actors with the system. Each use case was represented, along with the actors involved. The relationships between these elements were clearly defined, offering a structured view of the system's functionalities.

What could be improved?

1. Communication

- Better communication with my team members and get their feedback/ constructive criticism
- Get help when I can't figure out a particular feature on my own

- This sprint has provided valuable insights into our team dynamics and the iterative development process. Moving forward, continuous improvement and proactive problem-solving will be key focus areas to optimize our agile workflow.

## 8.3 Sprint Retrospective by Sumuditha (Quality Assurance)

What went well?

1. Testing Achievements:

- List specific achievements related to the testing of the admin dashboard, payment options methods, and dark mode features.
- Highlight successful test cases, bug discoveries, and resolutions.

2. Collaboration with Developers:

- Identify instances of effective collaboration with developers during the testing phase.
  - Highlight successful communication and problem-solving between QA and development teams.
3. Regression Testing:
- Discuss successful regression testing efforts to ensure the stability of existing features.
  - Highlight any improvements in identifying and preventing regression issues.

What could be improved?

1. Challenges Faced:
- Identify any challenges or obstacles encountered during the testing process.
  - Discuss how these challenges impacted the testing timeline or the quality of the features.
2. Test Coverage:
- Evaluate the overall test coverage for the admin dashboard, payment options methods, and dark mode features.
  - Identify areas where test coverage could be expanded for more comprehensive testing.
3. Automation Opportunities:
- Discuss potential opportunities for test automation to improve efficiency.
  - Identify specific scenarios or test cases suitable for automation in future sprints.

Action Items for Improvement

1. Addressing Challenges:
- Create specific action items to address the challenges faced during testing.
  - Propose solutions or strategies to mitigate similar challenges in the future.
2. Test Coverage Expansion:
- Develop a plan for expanding test coverage for the features in future sprints.
  - Identify critical areas that require additional testing attention.
3. Automation Implementation:
- Explore the implementation of automation for repetitive and critical test scenarios.
  - Define a roadmap for gradually introducing automation into the testing process.

What will we continue doing?

1. Effective Communication:
  - Emphasize the importance of effective communication between QA and development teams.
  - Continue fostering a collaborative environment for quicker issue resolution.
  
2. Thorough Testing Practices:
  - Reinforce the importance of thorough testing practices to ensure product quality.
  - Continue identifying and reporting issues early in the development process.

## 8.4 Sprint Retrospective by Biseni (Developer)

What went well?

5. Admin Dashboard:
  - List specific achievements related to the admin dashboard development.
  - Highlight positive feedback or successful user interactions.
  
6. Payment Options Methods:
  - Identify successful integration points or functionalities related to payment options.
  - Celebrate any positive outcomes, such as seamless transactions or improved user experience.
  
7. Dark Mode:
  - Discuss the successful implementation of the dark mode feature.
  - Acknowledge any positive user responses or improvements in accessibility.

What could be improved?

2. Challenges Faced:
  - Identify any challenges or obstacles encountered during the development process.
  - Discuss how these challenges impacted the timeline or quality of the features.
  
3. Feedback and Iterations:
  - Discuss any user feedback received during or after the sprint.
  - Explore opportunities for iterative improvements based on user suggestions.
  
4. Code Quality and Testing:
  - Assess the overall code quality and effectiveness of testing procedures.
  - Identify areas where code reviews or testing processes could be strengthened.



## Action Items for Improvement

1. Addressing Challenges:
  - Create specific action items to address the challenges faced during the sprint.
  - Propose solutions or strategies to overcome similar challenges in the future.
2. User Feedback Loop:
  - Establish a process for incorporating user feedback into future iterations.
  - Define how feedback will be collected, analyzed, and implemented.
3. Code Review and Testing Enhancements:
  - Implement improvements in the code review and testing processes.
  - Consider additional tools or practices that can enhance code quality.

## What will we continue doing?

1. Effective Collaboration:
    - Highlight instances of effective collaboration with other team members.
    - Discuss how this collaboration positively impacted the development process.
  2. User-Centric Development:
    - Emphasize the importance of developing features with a focus on user needs.
- Continue incorporating user-centric design principles in future work

# 9.0 Code Review

## 9.1 Server Side Code (Node.js)

### Analytics.js:

1. **State Management:**
  - **Issue:** The state is managed locally using useState. Consider using a state management solution like Redux for better scalability.
  - **Solution:** Integrate Redux or another state management library if needed.
2. **Loading Data:**
  - **Issue:** The component fetches data during the initial render, but there's no indication of loading or error states.
  - **Solution:** Implement loading and error states for a better user experience.
3. **CSS Classes:**
  - **Issue:** CSS classes are hardcoded, making it less maintainable if styles change.
  - **Solution:** Consider using a CSS-in-JS solution or a utility-first CSS framework like Tailwind CSS for more maintainable styling.

## axios Request in Analytics.js:

### 1. Error Handling:

- **Issue:** Axios requests should have proper error handling to handle network errors or server-side issues.
- **Solution:** Implement a catch block after the try block to handle errors.

### 2. Code Comments:

- **Issue:** Lack of comments explaining complex logic.
- **Solution:** Add comments where necessary to explain the purpose of the code.

### 3. Unnecessary Gaps Issue:

- **Issue:** Unnecessary gaps were present between page content and the footer, as well as between page content and the navbar.
- **Solution:** Padding and margin adjustments were made to several pages to eliminate the gaps. The changes involved removing unnecessary margins, converting margins into padding, and adjusting CSS classes.
- **Fixed Examples:**
  - `seller/unread-messages.jsx`
  - `_app.js`
  - `seller/gigs/create.jsx`
  - `seller/index.jsx`
  - `seller/order/index.jsx`
  - `seller/gigs/index.jsx`
  - `buyer/order/index.jsx`
  - `admin/gigs/index.jsx`
- **Visual Fixes:**
  - Various screenshots and visual representations were provided to showcase the before-and-after states of the fixed pages.

### 4. Overlapping Tailwind CSS Properties:

- **Issue:** Overlapping Tailwind CSS properties were identified.
- **Solution:** The issue was fixed by removing the `dark:bg-blue-500` property. Ensure that there are no conflicting or redundant CSS properties.
- **Visual Fix:**
  - A screenshot was provided to illustrate the overlapping Tailwind CSS properties.

## General Recommendations:

### 1. Linting:

- **Issue:** Ensure consistent code style across the project.
- **Solution:** Use a linting tool like ESLint with a consistent configuration.

### 2. Testing:

- **Issue:** While there are tests for the server-side logic, consider adding integration tests for the client-side components.
- **Solution:** Use testing frameworks like Jest for client-side tests.

### 3. Environment Configuration:

- **Issue:** Configuration, such as the PrismaClient instantiation, should be properly handled, especially in a production environment.
- **Solution:** Use environment variables for configuration and consider using tools like dotenv for local development.

## 9.2 Client-Side Code (Node.js)

### DashboardController.js:

#### 1. Import Statements:

- **Issue:** Import statements at the beginning of the file are not allowed since your environment doesn't support ES Modules.
- **Solution:** Use require instead of import statements.  
`const { PrismaClient } = require("@prisma/client");`

#### 2. Controller Logic:

- **Issue:** The `getAdminDashboardData` function has a typo in the `await prisma.user.count()`; It should be `await prisma.users.count()`;
- **Solution:** Fix the typo to `await prisma.users.count()`;

#### 3. Error Handling:

- **Issue:** Proper error handling is needed, especially around database interactions.
- **Solution:** Add try-catch blocks to handle potential errors and return appropriate HTTP status codes.

#### 4. Code Duplication:

- **Issue:** There's some duplication in error handling logic.
- **Solution:** Consider creating a helper function for error handling to reduce duplication.

### DashboardController.test.js:

#### 1. Test Suite Organization:

- **Issue:** The test suite covers positive scenarios but lacks coverage for potential error scenarios.
- **Solution:** Add test cases to cover error scenarios, such as database connection errors or incorrect queries.

### isAdmin Middleware:

#### 1. User Management Controller in Admin Dashboard:

- **Issue:** There was an error related to the user management controller in the admin dashboard.
- **Solution:** The issue was fixed using the `isAdmin` route. Ensure that user management in the admin dashboard is working correctly.

## 9.3 Final Code Review

### CORS Changes

Firstly, make sure your CORS configuration in your Express server is set up correctly. It seems you have already added the necessary middleware for CORS:

javascriptCopy code

```
app.use(
  cors({
    origin: '<https://skilled-final.vercel.app>',
    methods: ['GET', 'POST', 'PUT', 'PATCH', 'DELETE'],
    credentials: true,
  })
);
```

This configuration allows requests from <https://skilled-final.vercel.app> and includes the necessary HTTP methods and credentials.

## User Feedback Form

For the user feedback form, ensure that:

- The form is correctly configured in your frontend code.
- The form data is being sent to the correct endpoint on the server.
- Server-side validation is in place to handle the form data appropriately.

## Dashboard and Gigs with Feedback Form

Ensure that:

- User feedback is being correctly associated with the respective users or gigs.
- The data is properly saved in the database.
- The frontend is updated to display feedback forms appropriately.

## Admin Middleware

Verify that your admin middleware is correctly implemented. Check if it correctly identifies and grants admin privileges to authorized users.

## UI/UX Padding and Dark Mode

For UI/UX changes:

- Ensure that padding adjustments are consistent across different pages.
- Verify that dark mode changes are applied appropriately and provide a good user experience.

## Overall Code Quality

Consider the following general code review suggestions:

- Ensure code readability and maintainability.
- Check for proper error handling.
- Verify that sensitive information such as API keys or secrets is not exposed in your code.
- Confirm that code changes follow consistent coding conventions.

# 10.0 References

## **UML Diagrams and Documentation:**

- Lucidchart 2023, viewed 06 November 2023, <https://www.lucidchart.com/>.
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- Node.js 2023, viewed 06 November 2023, <https://nodejs.org/>.
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- Figma 2023, viewed 11 November 2023, <https://www.figma.com/>.

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