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1. Introduction

NoteXpert is a mobile app that helps you take notes, save them, and add images to them. You can also scan documents and get the text into your notes, and use dark mode for a more comfortable viewing experience. NoteXpert makes it easy to take notes quickly and easily, and you can access them from anywhere.

2. Project Idea

Github Repository Link : <https://github.com/LaXnZ/notexpert>

NoteXpert is a mobile app that helps users take notes, scan documents, and get the text into notes. It is the perfect tool for anyone who wants to take notes on the go and make sure they never lose their notes again.

2.1 Problem

Taking notes can be a hassle, especially if you don't have the right tools. And if you change your mobile device, you're likely to lose all your notes. Even you can achieve that, you can't directly get written document into texts.

2.2 Solution

NoteXpert makes it easy to take notes, scan documents, and get the text into notes. It also stores your notes in the cloud so you can access them from anywhere.

2.3 Target Audience

Students, professionals, anyone who needs to take notes.

2.4 Business Model

NoteXpert will be free to download and use. There will be in-app purchases for premium features, such as unlimited note storage.

3. Features Picked

- **Account creation (Forms)** : Users can create their own accounts to store their notes.
- Note taking : Users can take notes in a variety of ways, including typing and handwriting.
- Note saving : Notes can be saved locally on the user's device, in the cloud, or both.
- Note favorites : Users can mark notes as favorites for easy access.
- Note search : Users can search notes by title.
- **Image notes (Camera & Gallery)** : Users can add images to notes.
- Document scanning : Users can scan documents and get the text into the notes.
- **Dark mode** : Users can use dark mode for a more comfortable viewing experience.

4. Screens

4.1 Splash Screen

4.2 Login Screen

4.3 Register Screen

4.4 Home Screen

4.5 Edit Note Screen

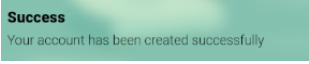
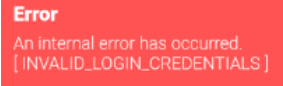
4.6 New Note Screen

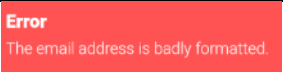
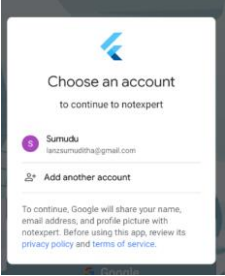
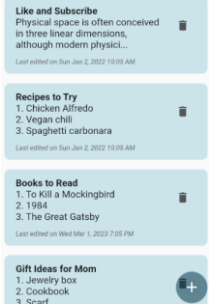


4.7 Search Notes Screen

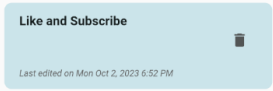
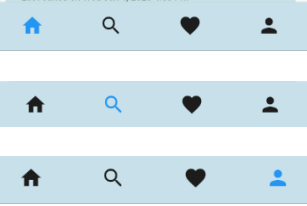
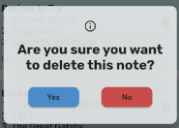
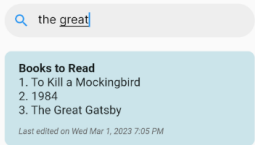
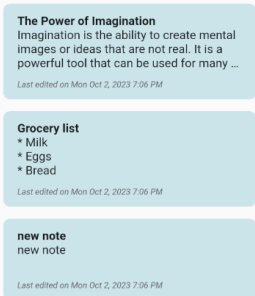
4.8 Settings Screen

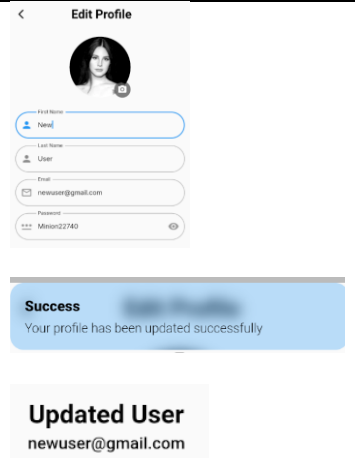

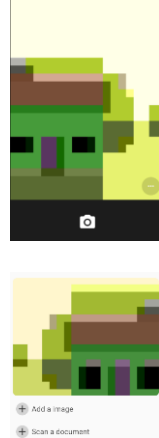
4.9 Update Profile Screen

5. Test Case Table

Test ID	Description	Steps	Expected Result	Actual Result	Pass / Fail
T001	User registration (Firebase)	Navigate to the sign up' screen. Enter first name, last name, email, and password and click sign up.	User account details should store in firebase. User should navigate to the home screen.	User account created and successfully navigated to the home screen. 	Pass
T002	User sign in	Enter email and password. Click on sign in.	User signed in and navigate to the home screen.	User signed in and navigated to the home screen.	Pass
T003	User credentials wrong	Enter wrong credentials. Click on sign in.	Displays 'Invalid Login Credentials'		Pass

T004	Not an email	Enter a badly formatted email. Click on sign in.	Displays 'Email address is badly formatted'		Pass
T005	Use google to sign in	Click on google button to sign in using google.	Display a popup screen to select account and successfully navigating to the home screen after login.	 User successfully navigated to the home screen after signed in.	Pass
T006	No need to login when user use the app after exiting the app	Simply exit the app and remove the app from background apps.	User should directly navigate to the home screen, without asking for login details.	User directly navigated to the home screen.	Pass
T007	Users sign out after using app and using app again afterwards.	Sign out from app before exiting the app.	When user trying to use the app again, user should navigate to the login/register screen.	User navigated to the login screen.	Pass
T008	View notes	Navigate to home screen.	User should see all the notes in home screen.		Pass
T009	Edit notes	Click on a note. After navigating to the note edit page, edit it.	User should be able to edit notes.	Before:  After: 	Pass

T010	Save notes	After editing a note, save it using the save button in bottom right.	User should be able to save edited notes and view it again.		Pass
T011	Navigating using navbar	<p>After clicking on home icon, user should navigate to home screen.</p> <p>After clicking on search icon, user should navigate to search note screen.</p> <p>After clicking on heart icon, user should navigate to favorite notes screen.</p> <p>After clicking on profile icon, user should navigate to setting screen.</p>	User should be able to navigate between screen using the navbar.		Pass
T012	Delete notes	Press on the delete icon on note and delete the note. Confirm it in the popup.	User should be able to delete notes.		Pass
T013	Search notes	Search notes by title or the content in it.	User should be able to search and filter the notes that he only needs. When typing the name only notes with that text should be appear.		Pass
T014	Sort notes	Sort notes with the time and date. After click on the sorting button, notes should show in the ascending order. (Oldest to latest)	Posts should show in ascending order.		Pass

T015	Edit profile	Navigate to profile screen. Then click on edit profile information and change details. Then click on update profile.	User should be able to update the details and after save it, should be able to see the updated details.		Pass
T016	Log out	Go to profile screen. Then click on log out.	After logging out, user must sign in when using the app again.	After logged out, user had to sign in when using the app again.	Pass
T017	Add images to notes from gallery	Click on a note or create a new one. Then click on add an image.	User should be able to select any image from gallery and add it to the note.		Pass
T018	Add a photo to notes using camera	Click on a note or create a new one. Then click on scan a document.	User should be able to capture an image from camera and add it to the note.		Pass
T019	Dark mode	Automatically identify the system theme	User should be able to change	User changed the theme as he wanted.	Pass

		and will change the theme, according to that.	the theme, as he wants.		
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6. References

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docs.flutter.dev. (n.d.). *Flutter documentation*. [online] Available at: <https://docs.flutter.dev>.

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