MyNotes App

Try my MyNotes App Demo from the link below:

MyNotes App is designed to serve as a digital notebook, providing users with a platform to create, manage, and organize their notes seamlessly. The app incorporates Firebase for user authentication and Firestore for real-time database functionality.

Project Overview:

The primary goal of MyNotes App is to offer a user-friendly interface for note management. Key features include user authentication, real-time note management, sorting notes by timestamp, and a secure logout option. The choice of Firebase as the backend ensures a robust and scalable solution.

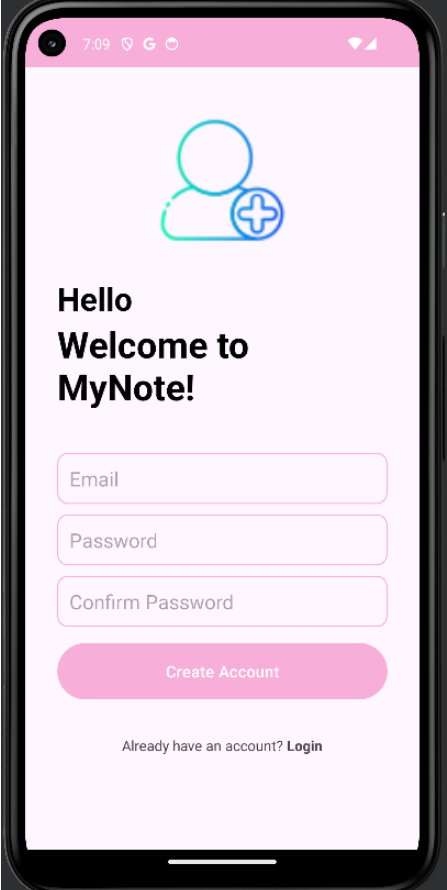## Which Technologies Were Used in This Project?

- Android Studio for app development.

- Firebase Authentication for secure user login and registration.

- Firestore for real-time database functionality.

User Interface (UI):

The MyNotes App boasts an intuitive and clean UI. The design focuses on user experience, allowing for seamless note creation, viewing, and editing. The app employs a RecyclerView to display notes in descending order of creation timestamp.

- **User Authentication:** Secure registration and login through Firebase Authentication.

- **Real-time Note Management:** Create, edit, and delete notes with changes reflected instantly.

- **Sorting Notes:** Display notes in descending order based on creation timestamp.

- **Logout:** One-click logout option accessible through the menu button.

SIGN UP SCREEN

LOGIN SCREEN

HOME SCREEN

ADD NEW NOTE SCREEN
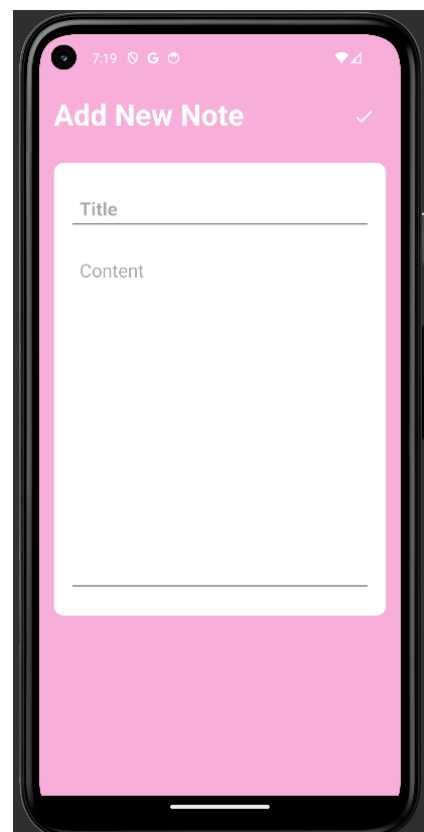
EDIT&DELETE NOTE SCREEN

LOGOUT BUTTON

Database:

The app leverages Firebase Firestore for real-time database functionality. This choice enables efficient and synchronized note management across devices.

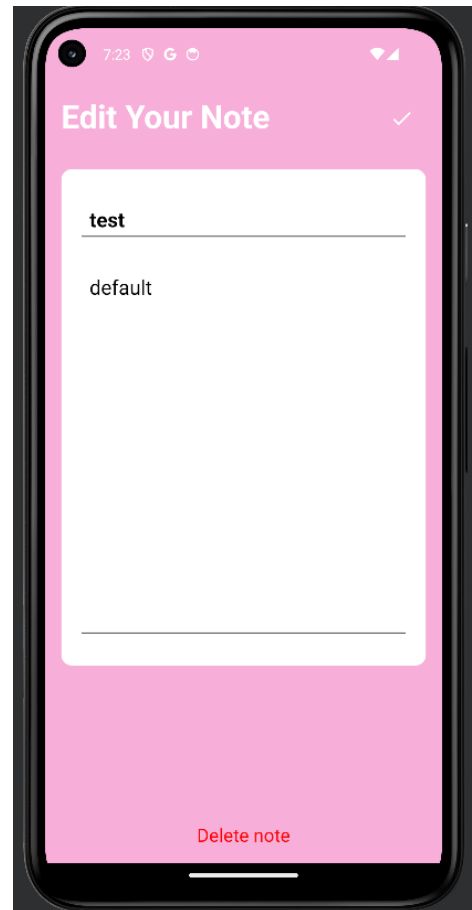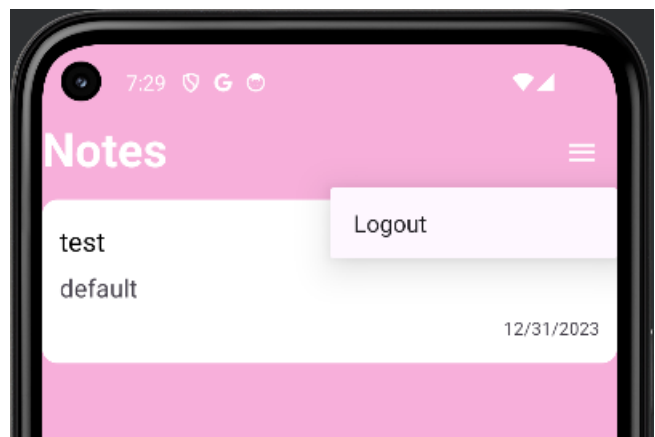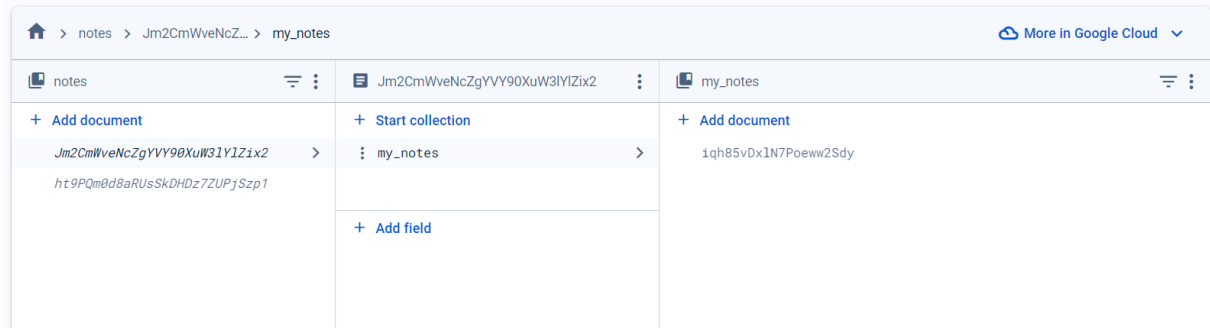Here is my Firestore database. Each user has a unique UserId and each note they save in app has its unique NoteId.

User Authentication:

Firebase Authentication ensures secure user login and registration. Sensitive information such as Firebase credentials and API keys should be managed securely.
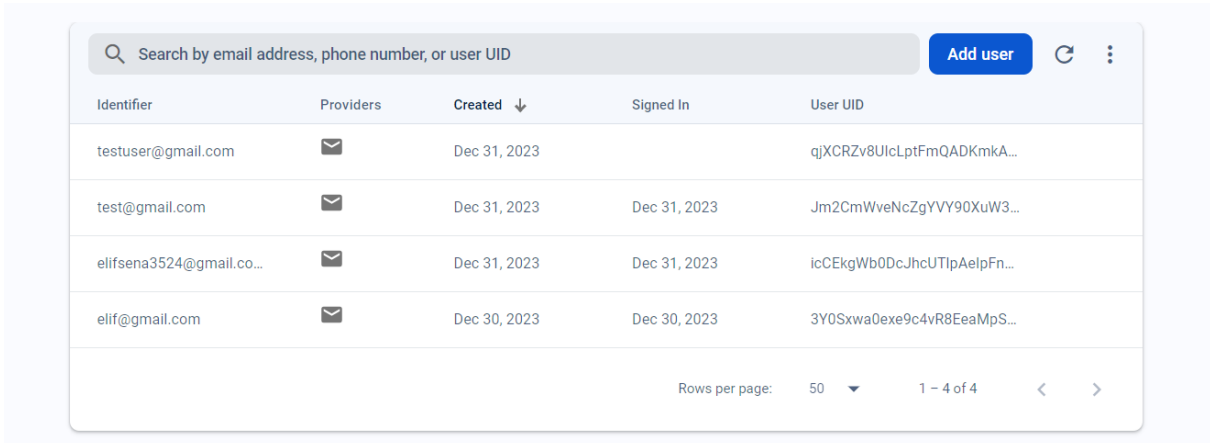
Here is my Firebase Authentication screen with my example users.

How to Use MyNotes App?

1. **Login/Sign Up:** First, user should create a new account and then navigate to Login Page and login to their account. User will recieve verification email.
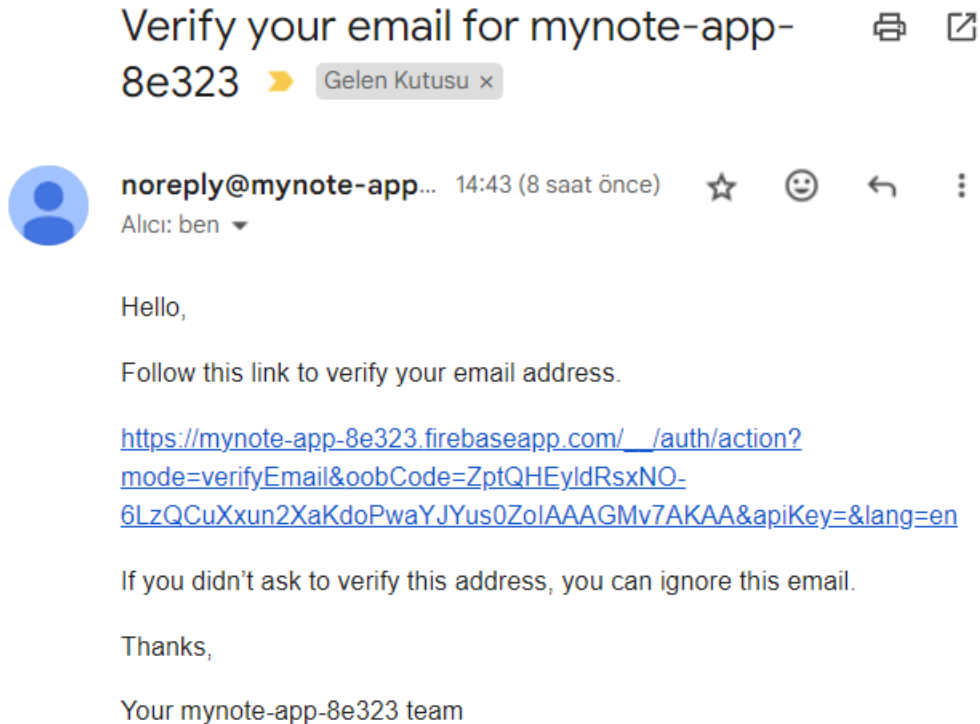

2. **To login:** The test user can be used to enter the app. Enter **test@gmail.com** and 123test as password to access. User will recieve "Email not verified please verify your email." error. After closing the app user restart the app and will see the Home Page.

3. **Add Note:** User can press the "+" on the right bottom in order to Add New Note.

4. **Edit&Delete Note:** User can tap the existing record and edit the note. Delete button is on the bottom of the screen.

5. **Logout:** User can logout by tapping the menu button on the right top of the home screen.

References:

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5. RecyclerView Lists
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8. Note App Documentation
   https://docs.gluonhq.com/samples/notes/

9. Android Java Programming
   https://web.cse.ohio-state.edu/~champion.17/4471/JavaAndroidProgramming.pdf