

# MyNotes App

Try my MyNotes App Demo from the link below:

<https://appetize.io/app/cerna4fkfrvbl545am5hfnfnxq?device=pixel7&osVersion=13.0> .

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?

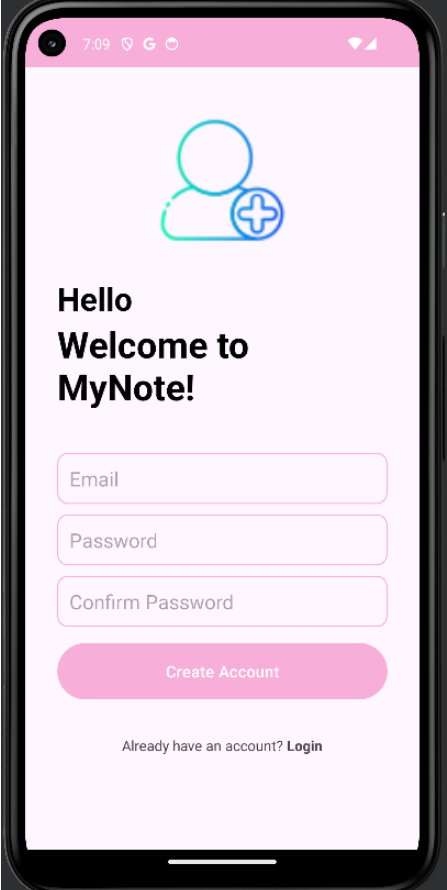
- Android Studio for app development.
- Firebase Authentication for secure user login and registration.
- Firestore for real-time database functionality.

## 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



A mobile app sign-up screen with a light pink background. At the top, there's a status bar with the time 7:09 and various icons. Below it is a large icon of two overlapping circles with a plus sign. The text "Hello Welcome to MyNote!" is displayed in bold. There are three input fields for "Email", "Password", and "Confirm Password". A pink button labeled "Create Account" is below the fields. At the bottom, it says "Already have an account? Login".

7:09

Hello  
Welcome to  
MyNote!

Email

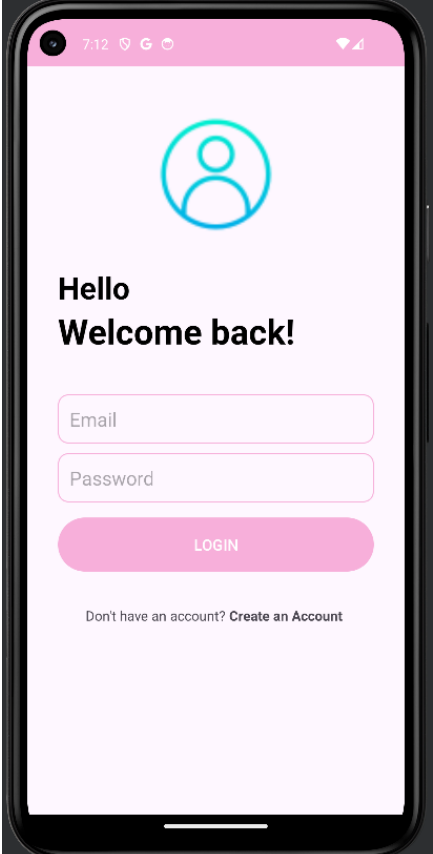
Password

Confirm Password

Create Account

Already have an account? [Login](#)

## LOGIN SCREEN



A mobile app login screen with a light pink background. At the top, there's a status bar with the time 7:12 and various icons. Below it is a large icon of a single circle with a person silhouette. The text "Hello Welcome back!" is displayed in bold. There are two input fields for "Email" and "Password". A pink button labeled "LOGIN" is below the fields. At the bottom, it says "Don't have an account? Create an Account".

7:12

Hello  
Welcome back!

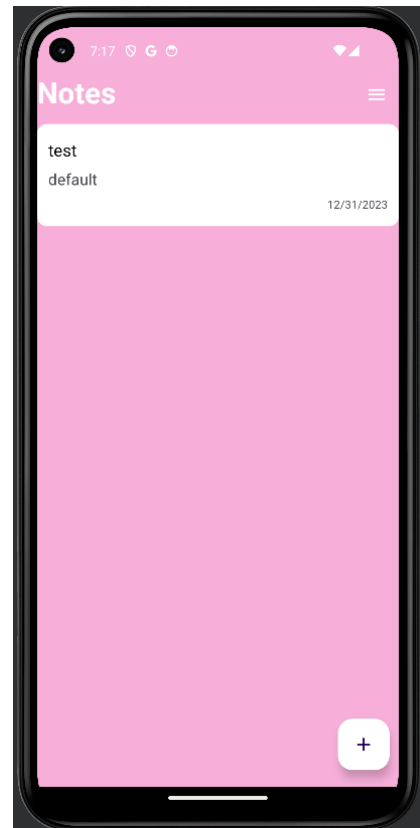
Email

Password

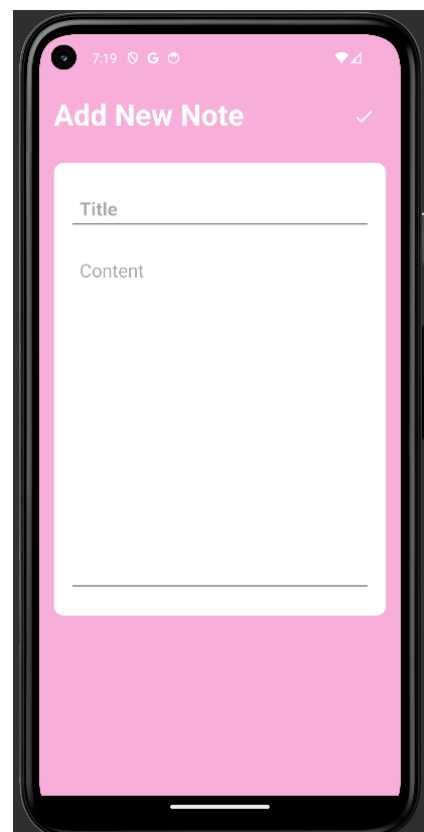
LOGIN

Don't have an account? [Create an Account](#)

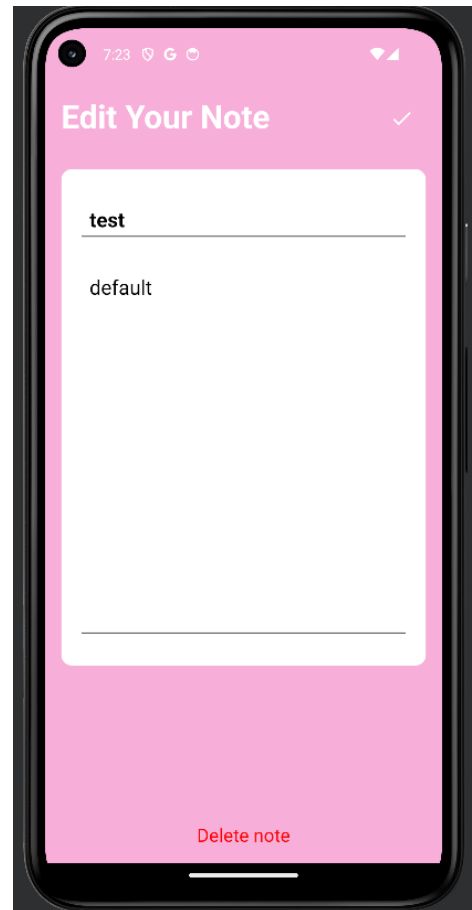
## HOME SCREEN



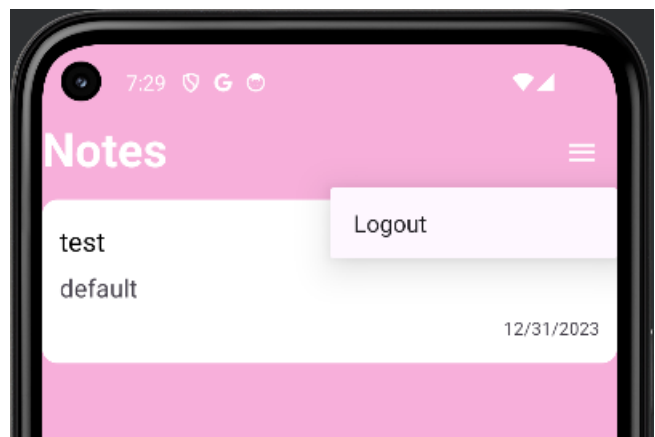
## ADD NEW NOTE SCREEN



## EDIT&DELETE NOTE SCREEN

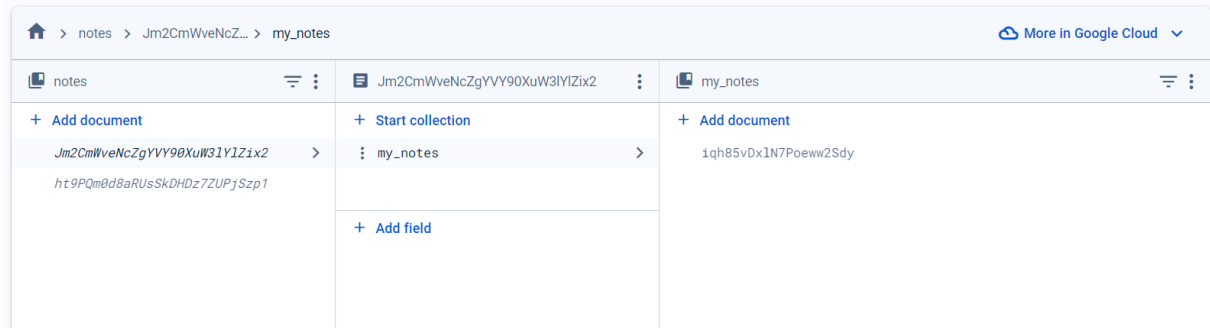


## LOGOUT BUTTON



## Database:

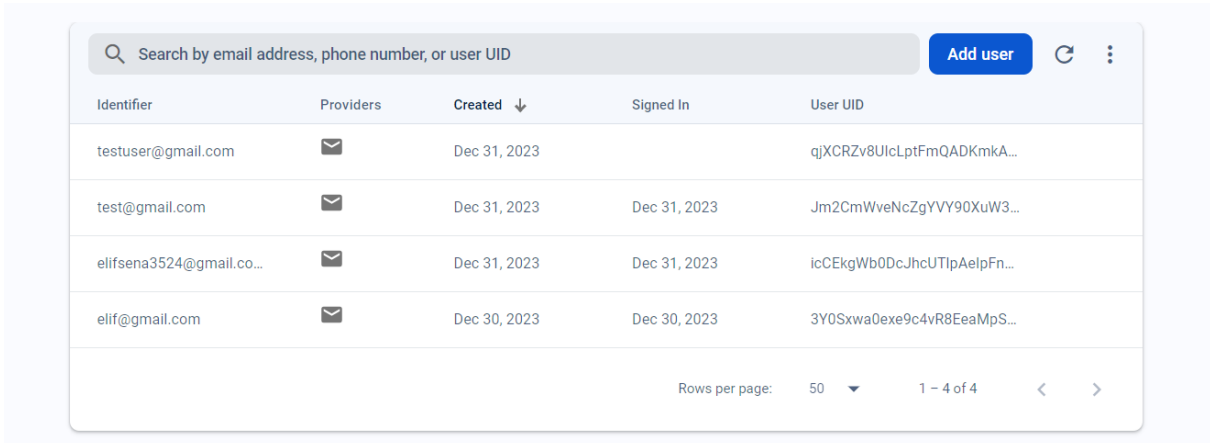
The app leverages Firebase Firestore for real-time database functionality. This choice enables efficient and synchronized note management across devices.



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

## User Authentication:

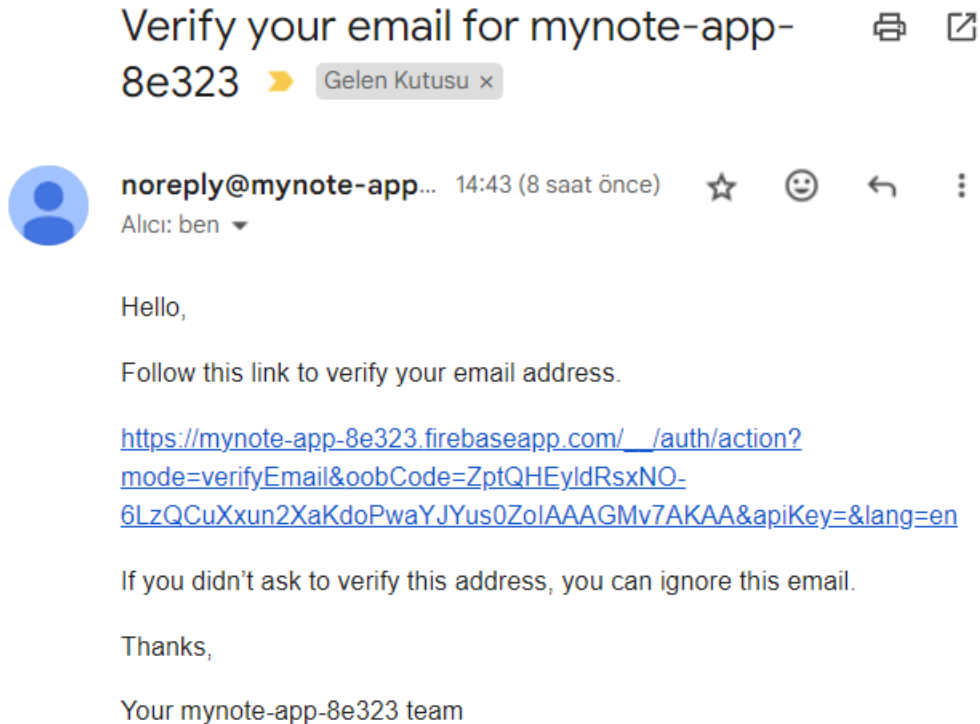
Firebase Authentication ensures secure user login and registration. Sensitive information such as Firebase credentials and API keys should be managed securely.



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 receive verification email.



2. **To login:** The test user can be used to enter the app. Enter [test@gmail.com](mailto:test@gmail.com) and 123test as password to access. User will receive “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:

1. Firebase Documentation  
<https://firebase.google.com/docs/android/setup?hl=tr>
2. Note App Example  
<https://medium.com/swlh/simple-notes-app-in-android-java-9062d7bb3bc0>
3. Note App Example  
<https://reintech.io/blog/creating-simple-note-taking-app-android>
4. Note App Example  
<https://technobyte.org/create-notes-app-android-full-code-tutorial-simple-explanation/>
5. RecyclerView Lists  
<https://developer.android.com/develop/ui/views/layout/recyclerview?hl=tr>
6. ChatGPT  
<https://chat.openai.com/>
7. Note App Tutorial  
<https://www.youtube.com/watch?v=Shh0N45S4hE>
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>