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QUIZ 1



Name : Muhammad Hammad
Sap id : 56765
Course : Mobile App Development
Section: SE 5-2

Presented to :

Sir. Waqar Arshad



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GitHub Link:

1. Introduction

This quiz demonstrates a Flutter mobile app connected to Firebase for **Email/Password Authentication**.

The app allows users to **register, login**.

2. Tools & Technologies

- Flutter SDK
 - Android Studio
 - Firebase Console
 - Packages: `firebase_core`, `firebase_auth`
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3. Setup Steps

1. Created a Flutter project: `flutter create login_signup_quiz`
 2. Added Firebase project in console.
 3. Added `google-services.json` in `android/app/`
 4. Added packages in `pubspec.yaml`
 5. Initialized Firebase in `main.dart`
 6. Enabled Email/Password Auth in Firebase console
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4. Authentication Flow

- **Signup:** User enters email & password → stored in Firebase Auth → success message
 - **Login:** User enters credentials → validated against Firebase Auth → success → navigate to home
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5. Screenshots

- **Login Screen**
- **Signup Screen**
- **Successful Login/Signup**

The screenshot shows a dark-themed mobile application interface. At the top, there are two input fields: 'Email' containing 'hammad813@gmail.com' and 'Password' containing several dots. Below these is a 'Signup' button. A light gray banner at the bottom displays the error message: 'The email address is already in use by another account.'

The screenshot shows a dark-themed mobile application interface. It features two input fields: 'Email' with 'hammad813@gmail.com' and 'Password' with several dots. Below the password field is a 'Login' button. To the right of the button is a link 'Create an account'. A light gray banner at the bottom displays the success message: 'Login successful'.



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Firebase :

The screenshot shows the Firebase console interface for the project "loginsignupquiz". The left sidebar includes links for Project Overview, Authentication (which is selected), Firestore Database, and Product categories. The main content area is titled "Authentication" and shows the "Users" tab selected. A note at the top states: "The following Authentication features will stop working when Firebase Dynamic Links shuts down soon: email link authentication for mobile apps, as well as Cordova OAuth support for web apps." Below this is a table listing two users:

Identifier	Providers	Created	Signed In	User UID
hammad813@gmail.com	✉	Nov 29, 2025	Nov 29, 2025	9PzZrRpapTM136vofCK7wCk...
hammadx813@gmail.c...	✉	Nov 29, 2025	Nov 29, 2025	LQDiQyC13ma08aTAJzNLWoi...

At the bottom of the table, there are pagination controls: "Rows per page: 50", "1 - 2 of 2", and navigation arrows.

7. Conclusion

This project demonstrates connecting a Flutter app to Firebase for authentication with a modern UI and supports both Android and Web platforms.