# Flutter developer task

**Notes App Development Task**

## 1. Project Setup & UI Design

- Set up a clean folder structure (e.g., models, services, UI, etc.).

- Design a **beautiful UI** for listing notes using ListView/GridView.

## 2. Authentication System

- Implement Firebase Authentication (Email/Password).

## 3. CRUD Operations with Firebase Firestore

- Users should be able to **Create, Read, Update, and Delete** notes.

- Store each note in Firestore, linked to the logged-in user.

- Show real-time updates when a note is added/edited/deleted.

## 4. Implement State Management

- Use **Provider, Riverpod, or Bloc** for managing state.

## 5. Search Notes

- Implement **search functionality** using Firestore queries.

## 6. Add Rich Text Support

- Implement a **rich text editor** (Bold, Italic, Underline, etc.).

## 7. Deploy the App

- Generate a signed APK/AAB for production.

- Optimize performance and reduce unnecessary re-renders.

**Submission Guidelines:**

- Upload the source code to GitHub.

- Provide a brief README explaining setup steps.