# **Requirement Document for Notes app (Android)**

**Functional Requirements**

**1. Authentication**

* **Email Authentication**:
  + Users should be able to sign up using their email and password.
  + Users should be able to log in using their email and password.
  + Password reset functionality should be available.
  + User should be able to register using email and password if they’re new user to the app.

**2. Notes Management**

* **Add Notes**:
  + Users should be able to create a new note.
  + Each note should have a title and content.
* **View Notes**:
  + Users should be able to view a list of all their notes.
  + Notes should be displayed with their title and a preview of the content.
* **Edit Notes**:
  + Users should be able to edit the title and content of existing notes.
* **Delete Notes**:
  + Users should be able to delete notes.
  + A confirmation prompt should be displayed before deletion.

**3. User Interface**

* **Home Screen**:
  + Display a list of notes with options to add, edit, and delete notes.
* **Note Detail Screen**:
  + Display the full content of a selected note with options to edit or delete.
* **Authentication Screens**:
  + Sign-up screen with fields for email and password.
  + Login screen with fields for email and password.
  + Password reset screen with field for email.

**Non-Functional Requirements**

* **Performance**:
  + The app should load notes quickly and efficiently.
* **Security**:
  + User data should be securely stored and transmitted.
  + Authentication should be handled securely using Firebase.
* **Usability**:
  + The app should have an intuitive and user-friendly interface.

**UI/UX Requirements**

* **Design**:
  + The app should have a clean and modern design.
  + Use consistent colors and fonts throughout the app.
* **Navigation**:
  + Easy navigation between different screens (Home, Note Detail, Authentication).
* **Accessibility**:
  + Ensure the app is accessible to users with disabilities.

**Additional Notes**

* **Firebase Integration**:
  + Ensure Firebase is properly configured for authentication and data storage.
* **Testing**:
  + Include intentional defects for testing purposes.
  + Write test cases for all functionalities.