

Institut Supérieur d'Électronique de Paris (ISEP)

The background features a light gray color with various abstract elements. On the left, there are three overlapping wireframe polyhedrons in white and light gray. On the right, there are several concentric, irregular gray loops. In the center, there is a large, faint gray graphic of a circuit board or microchip with several pins extending from its top, bottom, and sides. Overlaid on this central graphic is the title text.

Project Defense

Presented by Anika Samvedi & Victor Dubrana

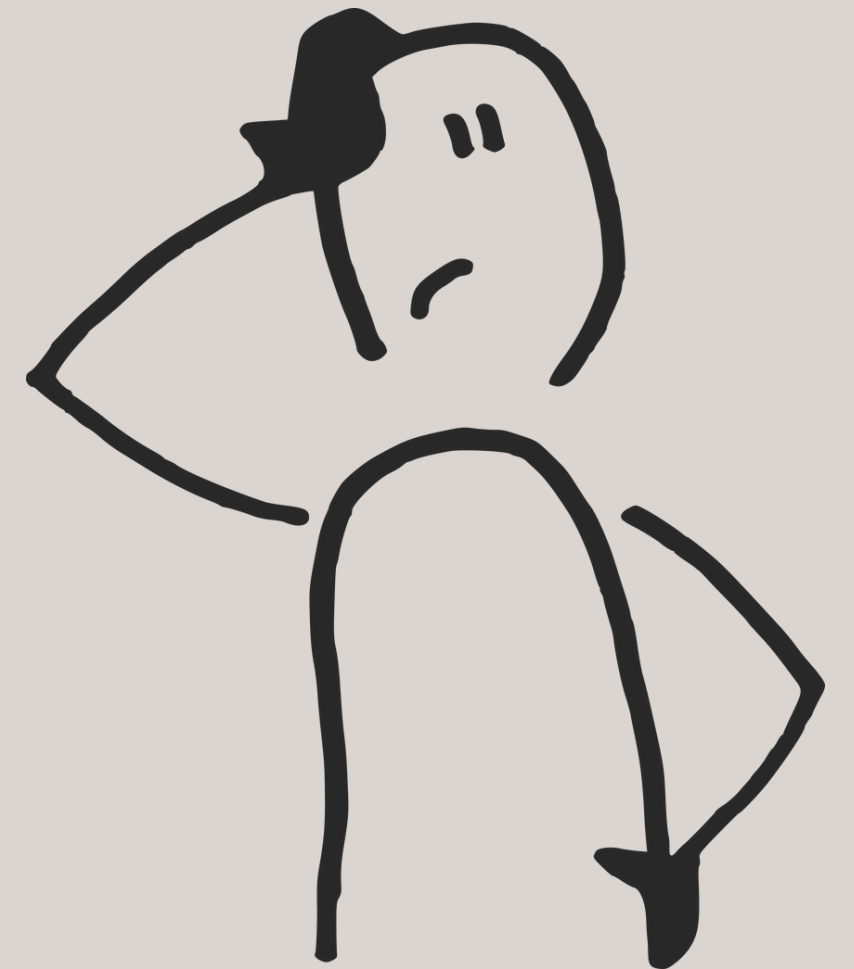
- **Problem Statement**
- **Solution Overview**
- **Target Audience**
- **Key Features**
- **App Architecture**
- **User Flow**
- **Tech Stack**
- **Challenges & Solutions**
- **Future Enhancement**



AGENDA

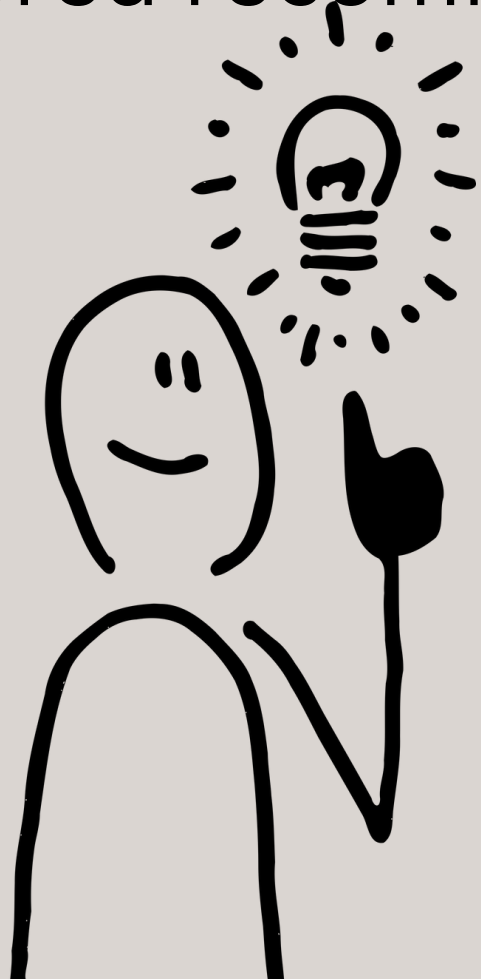
PROBLEM STATEMENT

“Traditional methods of connecting founders and investors are inefficient, time-consuming, and lack personalization. There's a need for a seamless platform that enables targeted connections and direct communication.”



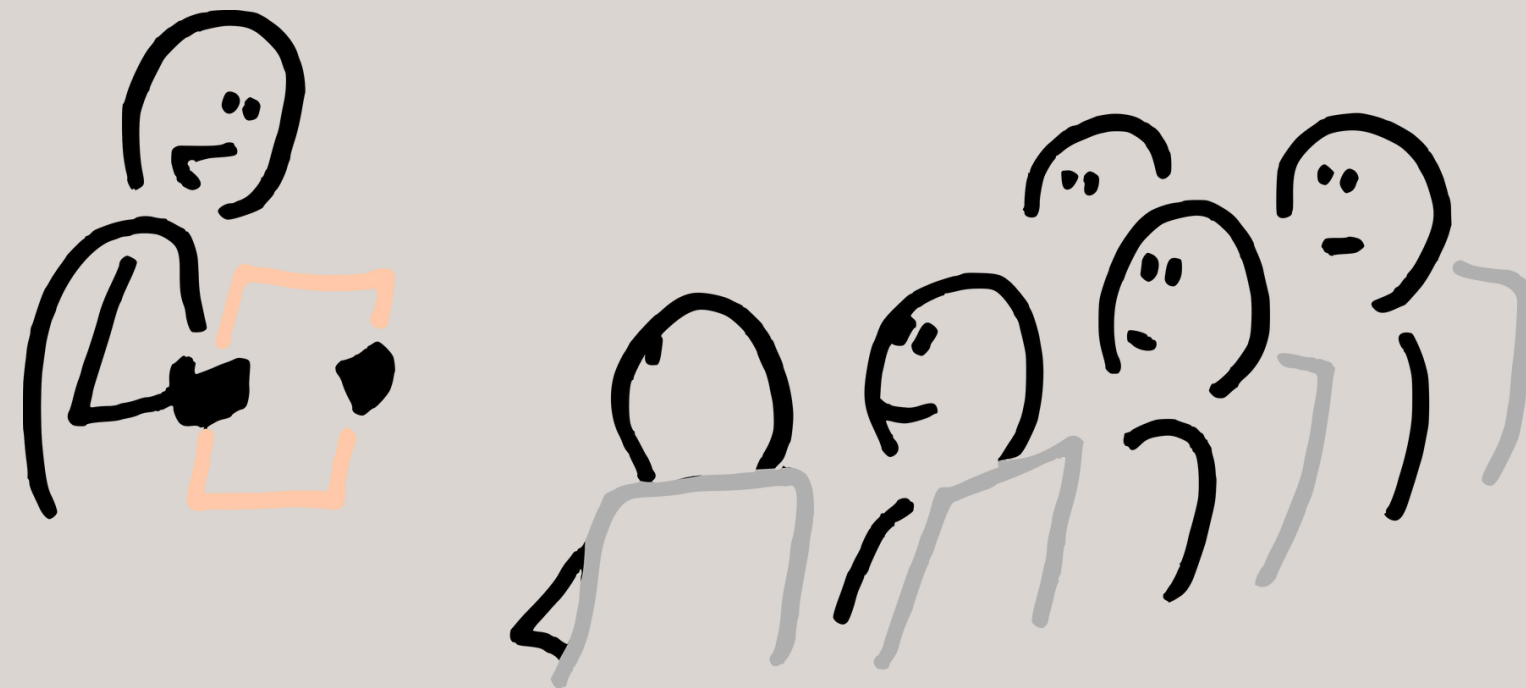
SOLUTION OVERVIEW

Our platform bridges the gap between founders and investors through a personalized, intuitive mobile app. By leveraging Firebase for seamless authentication and Firestore for efficient data management, users can create profiles, showcase projects, and connect with suitable matches. Features like real-time messaging, favorites, and tailored recommendations ensure a streamlined and engaging experience for both founders and investors.



TARGET AUDIENCE

- Startup Founders: Individuals or teams seeking funding, mentorship, or partnerships to grow their ventures.
- Investors: Angel investors, venture capitalists, or institutions looking for innovative startups to invest in or support.
- Entrepreneurs: Aspiring business owners seeking connections and opportunities in the startup ecosystem.
- Startup Ecosystem Professionals: Accelerators, incubators, and advisors facilitating collaboration between founders and investors.



KEY FEATURES

- Founder Profile
- Investor Profile
- Message
- Firebase Authentication
- Real-Time Notifications
- Privacy and Authenticity
- Profile Customization

APP ARCHITECTURE

Overview:

- Modular architecture ensures scalability and maintainability.
- Built with a focus on separation of concerns and reusability.

Architecture Pattern:

- Model: Handles data (Firebase Firestore for storage, Firebase Auth for authentication).
- View: Composable UI components for user interface.
- ViewModel: Manages UI logic and communication between View and Model.

Core Components:

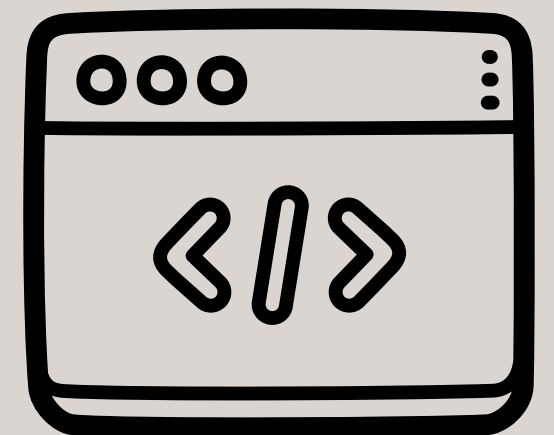
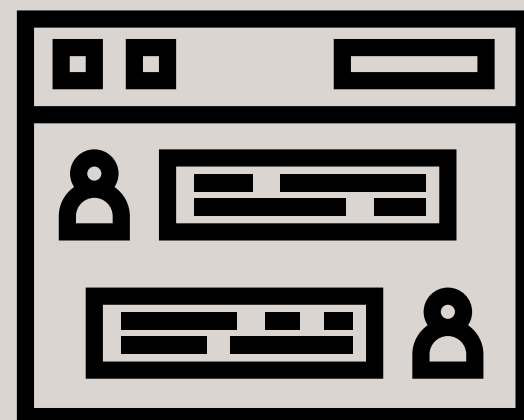
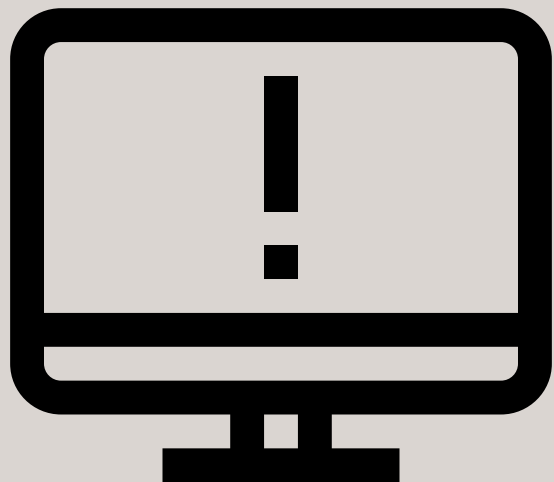
- Jetpack Compose Navigation to manage screen transitions (Login, Profile Setup, Main Dashboard).
- Firebase Firestore for cloud data storage.
- Firebase Auth for secure user login and session management
- Jetpack Compose for building responsive and reusable UI components.
- Firestore real-time database integration.

Platform Integration:

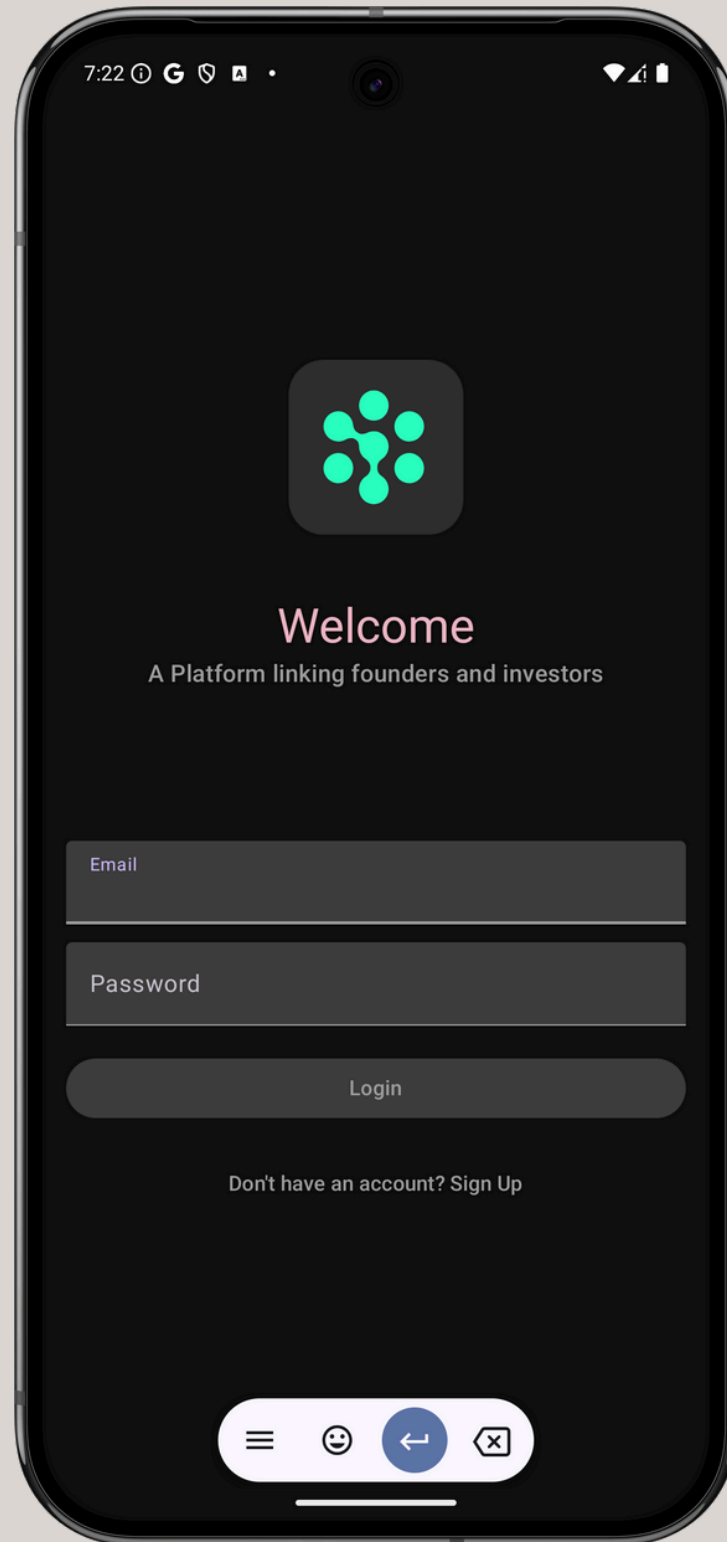
- Firebase SDK for seamless backend connectivity.
- Android Jetpack libraries for lifecycle management, LiveData, and navigation.

Key Benefits:

- Easy to test and debug.
- Highly scalable for future features.
- Optimized for user-centric performance.

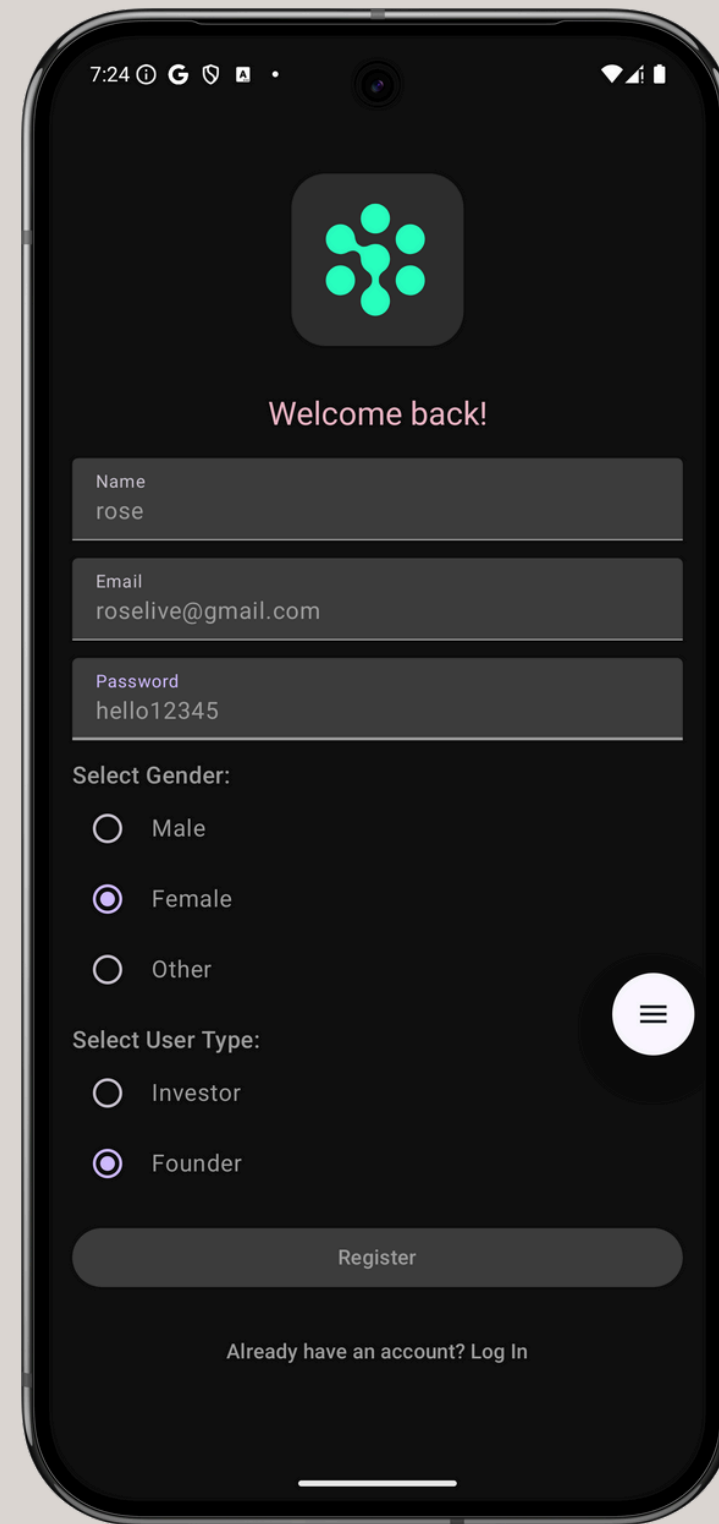


USER FLOW

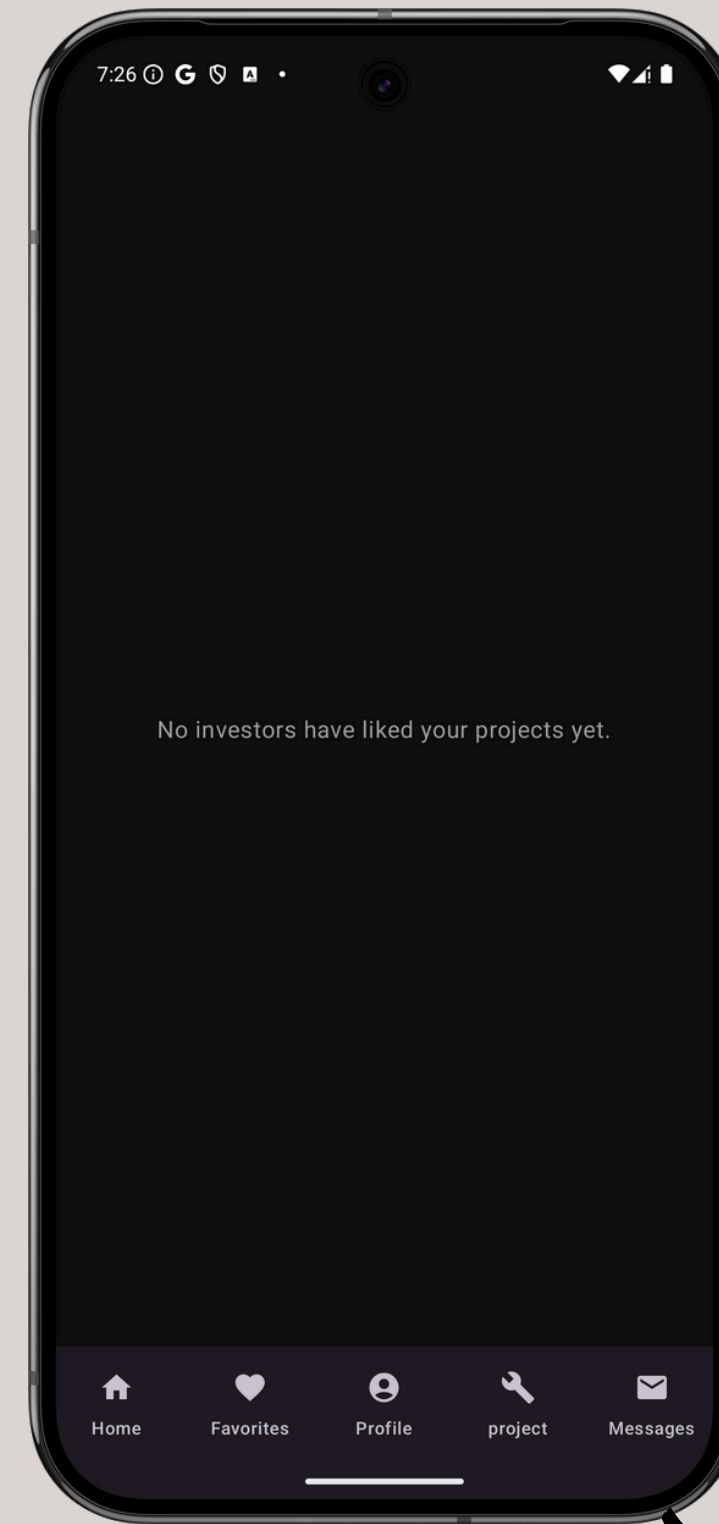


SIGN-IN PAGE

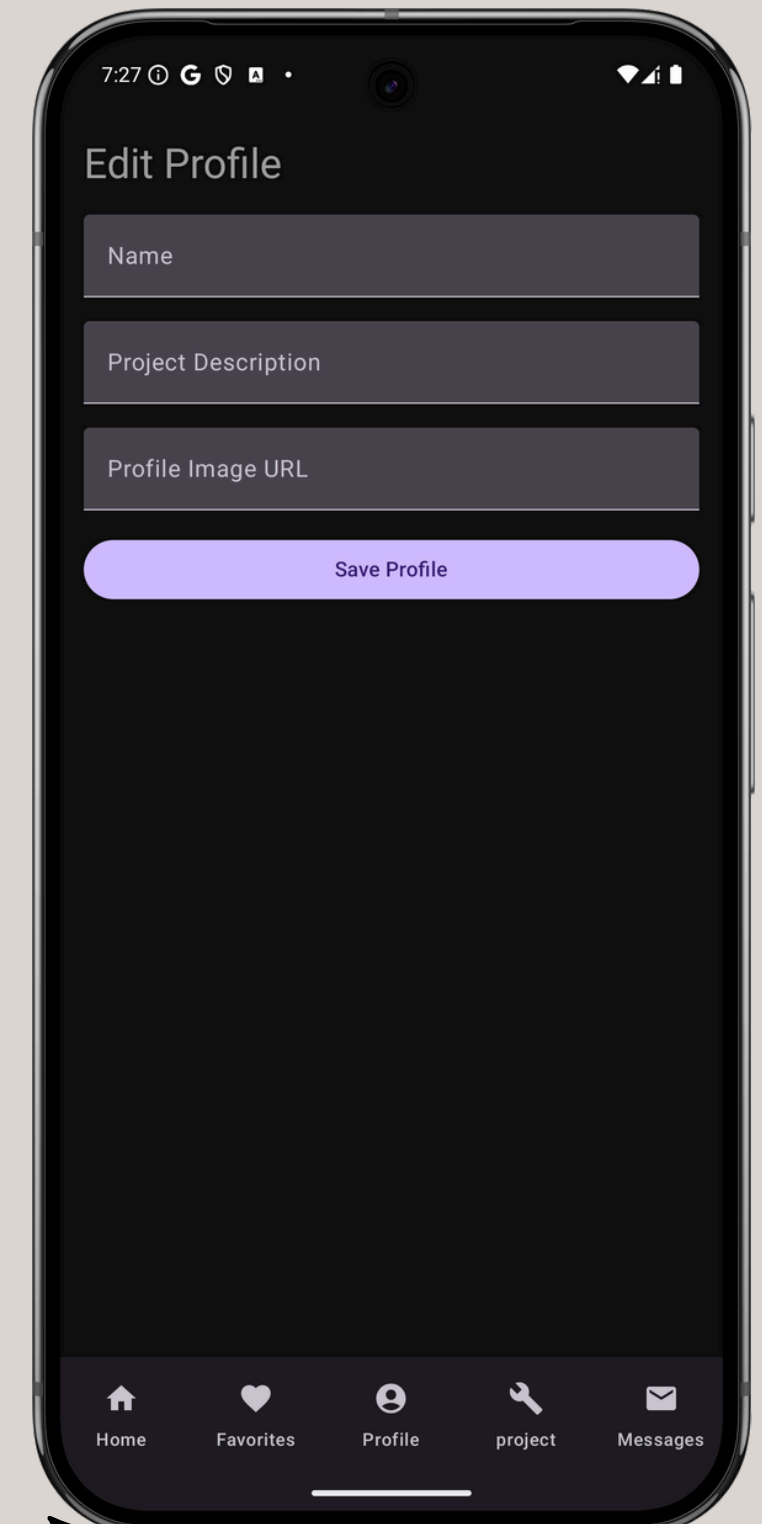
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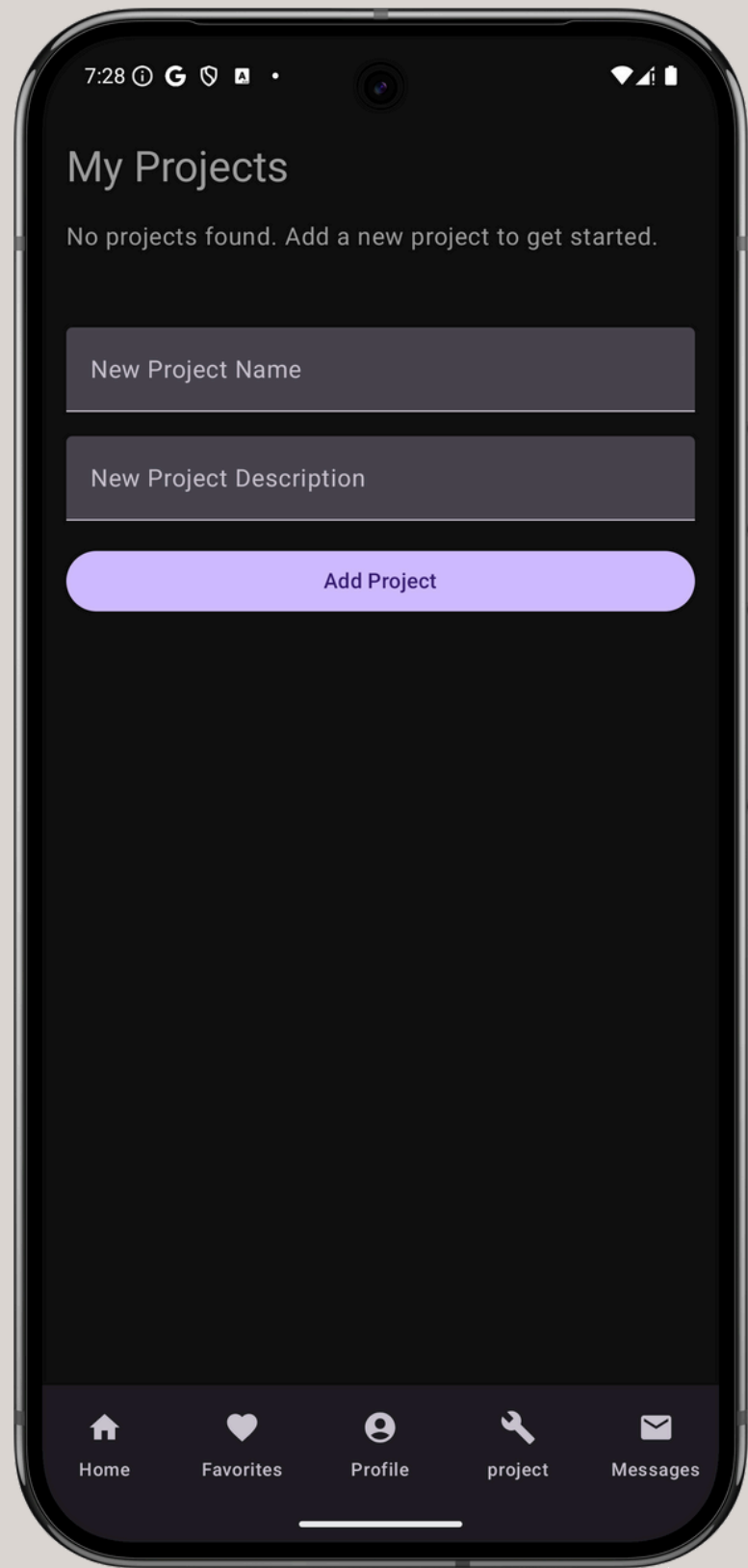
SIGN-UP PAGE



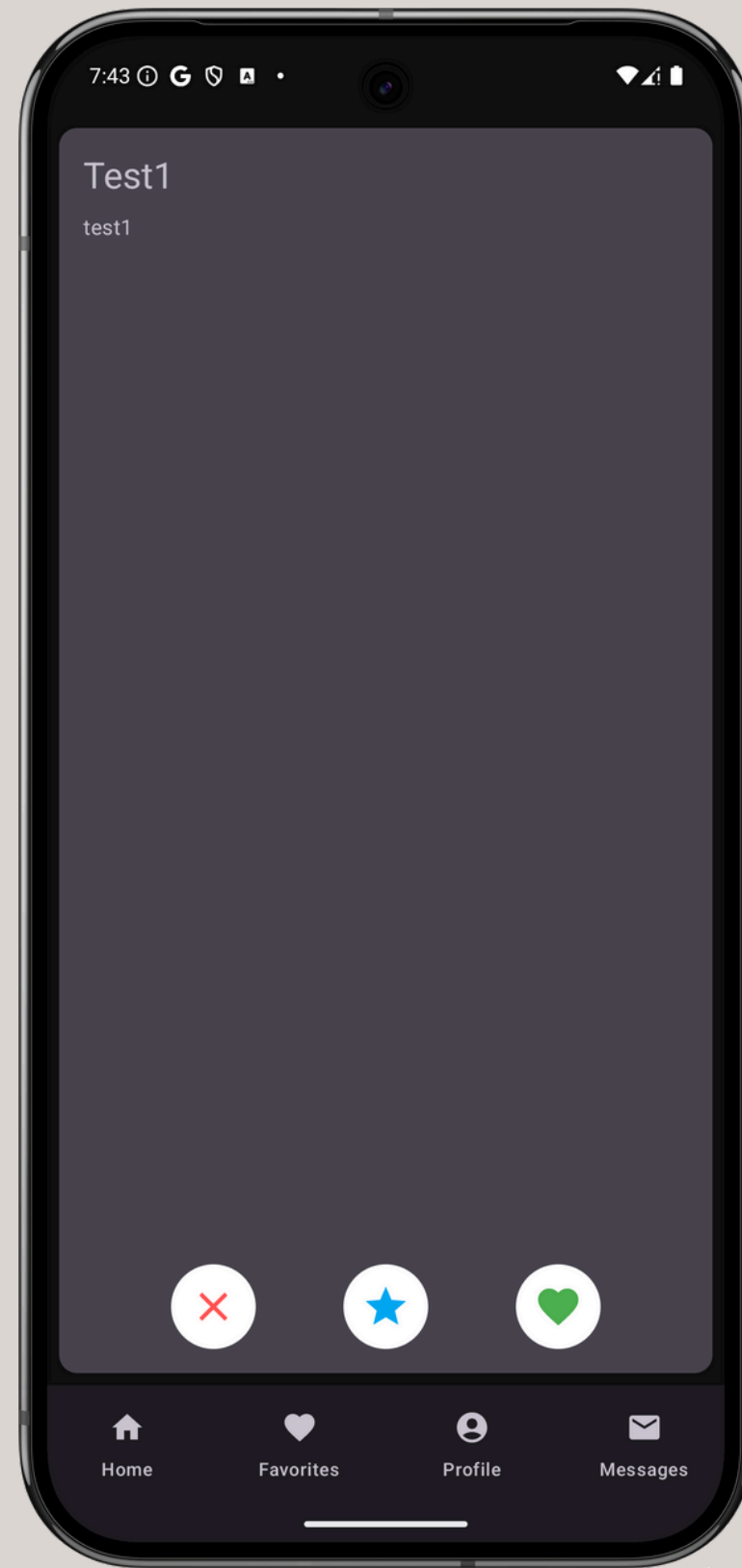
HomePage (Founder)



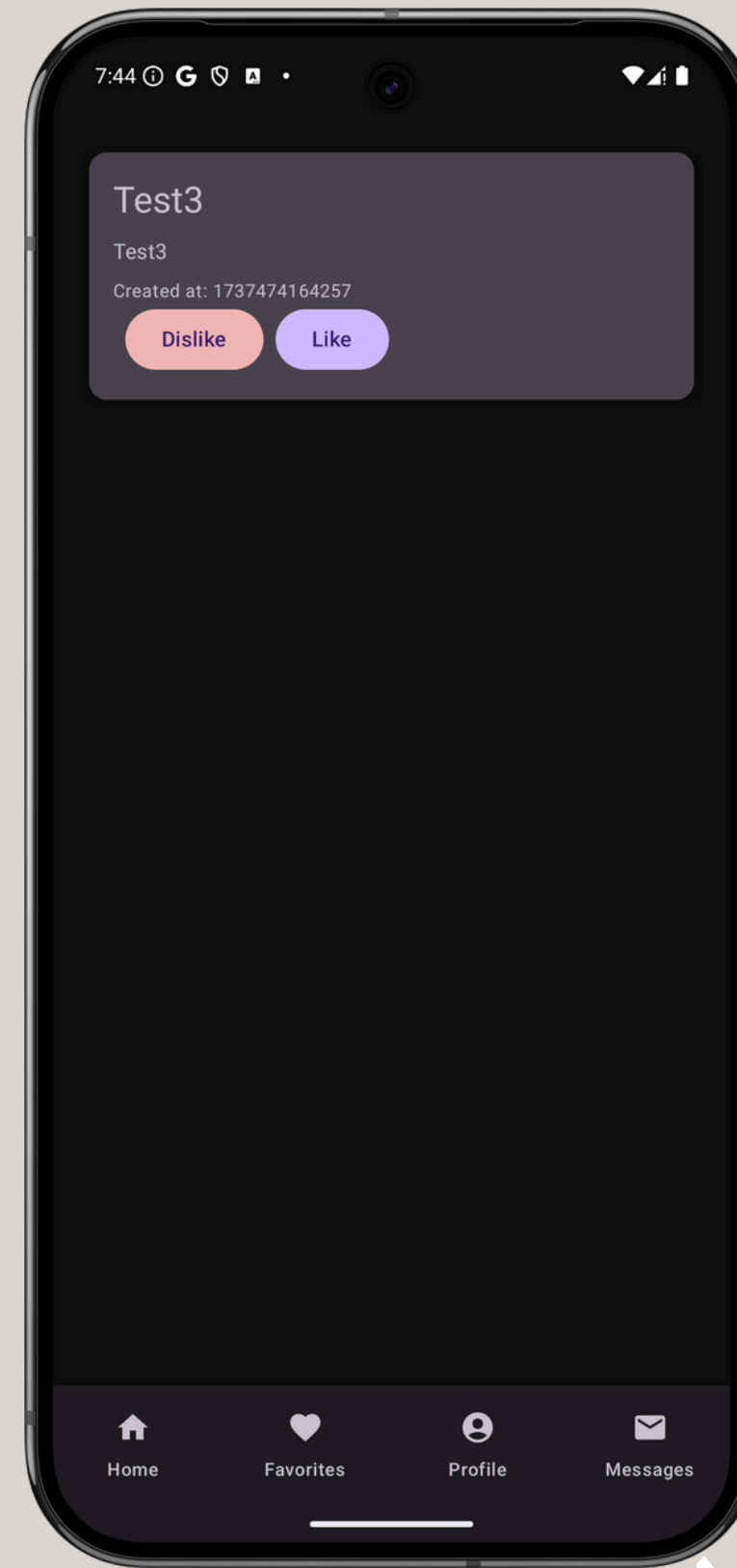
Profile (Founder)



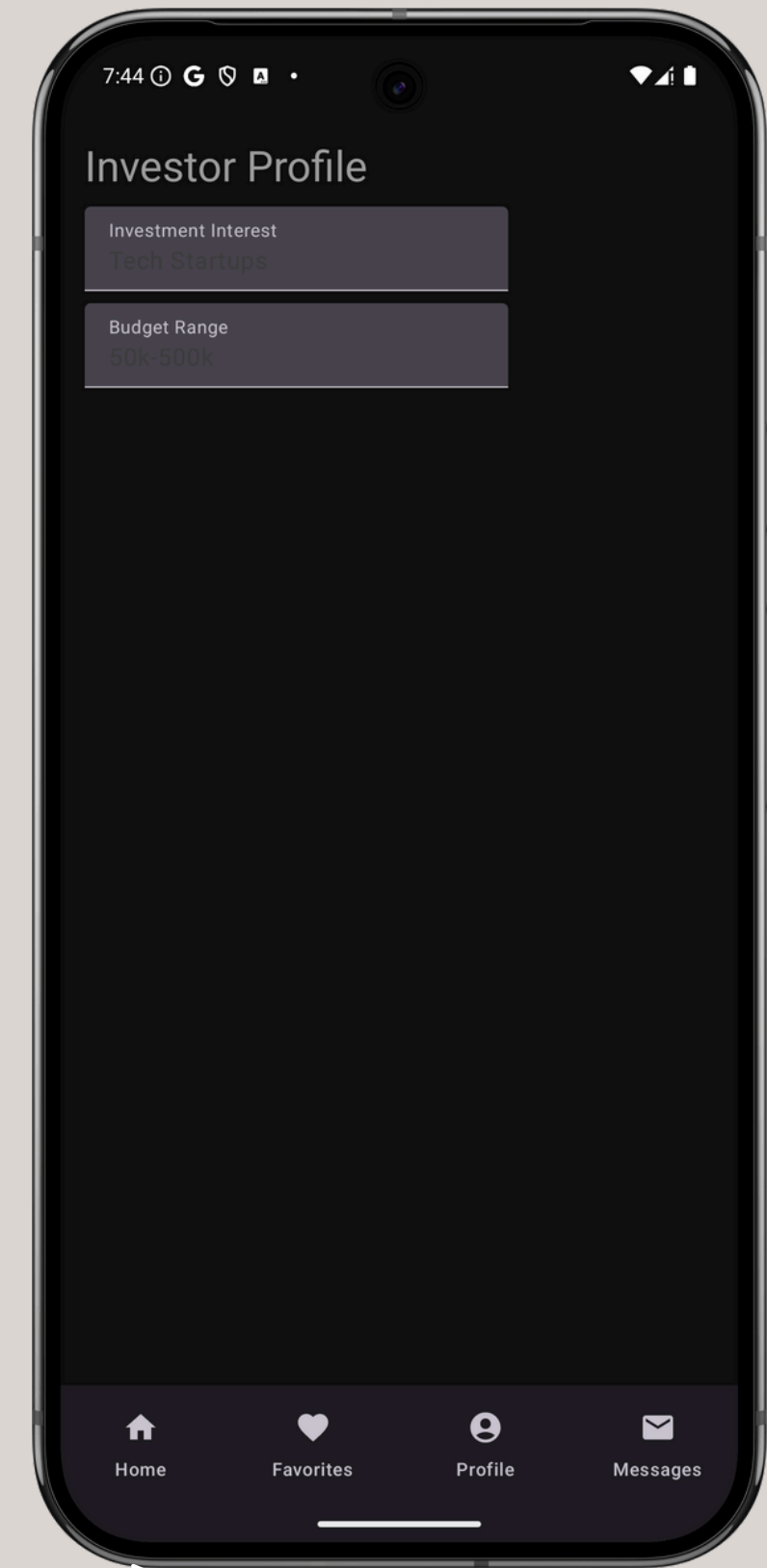
Projects(Founder)



Homepage (Investor)



Favourite (Investor)



Profile (Investor)

TECHSTACK

Frontend:

- Framework: Jetpack Compose (Modern UI toolkit for Android).
- Language: Kotlin (For building Android app UI and logic).
- Navigation: Jetpack Navigation Component (For handling navigation flows).

Backend:

- Database: Firebase Firestore (Cloud-based NoSQL database for storing user and project data).
- Authentication: Firebase Authentication (Google Sign-In and Email/Password login).

Messaging:

- Firebase Realtime Database: For real-time chat functionality.

Storage:

- Firebase Storage: To store pitch decks, images, or other media files uploaded by users.

Tools & SDK:

- Firebase SDK: For integrating Firestore for Storage.
- Android SDK: For building the app.

Development Environment:

- IDE: Android Studio (Preferred for Kotlin and Jetpack Compose development).
- Version Control: Git (With GitHub for collaboration and repository management).

API Integration

- Firebase Authentication API

CHALLENGES AND SOLUTIONS

Challenges

User Authentication

Real-Time Communication

Scalability

Technical Integration

Solutions

Secure Firebase Authentication

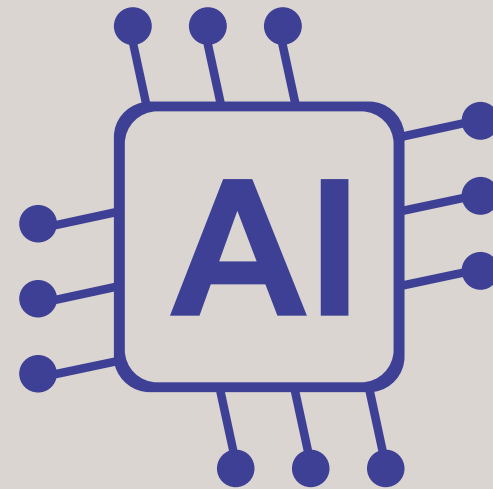
Cloud-Based Real-Time Database

Scalable Firebase Backend

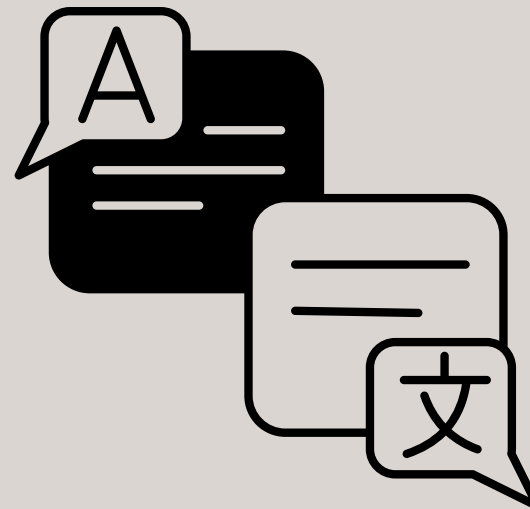
Efficient Tech Stack

FUTURE ENHANCEMENT

- We can include the AI smart Recommendation System



- Can also include some more languages other than English



Thank You