

# Devoida Task Report

## Chosen Database:

Firebase is the most suitable database for this task due to its reliable services, backed by Google. Firebase provides everything the task needs, including authentication through email and password, social media logins, and phone verification. It also offers a fast and reliable database for easy data storage and retrieval.

## Firebase vs. Supabase:

### Data Storage:

Firebase offers Cloud Firestore, a NoSQL database that allows you to store and retrieve data in real time. Supabase, on the other hand, utilizes a Postgres-based database, which is a relational database management system offering powerful SQL-based query capabilities.

### Authentication:

Both Firebase and Supabase provide authentication services, allowing you to easily manage user authentication and authorization.

### Community:

Firebase has a larger community and a well-established ecosystem, providing an extensive range of resources, tutorials, and community support. However, Supabase is gaining traction and actively expanding its capabilities, with a growing community and an evolving ecosystem.

### Customization:

Firebase takes a more abstract approach, providing you with a pre-built set of services and features. Supabase, on the other hand, offers more control and transparency, allowing you to customize and extend functionalities using PostgreSQL's PL/pgSQL language.

## Implementation Plan:

My project initiation process begins with defining the core functionalities the project must deliver. Next, I identify the essential entities required to support these functionalities. For each entity, I meticulously define the attributes necessary for achieving stable and efficient operation.

Once these initial drafts for functionalities and entities are complete, I embark on crafting a preliminary vision for the application's user interface (UI). This involves outlining the necessary screens and creating rough sketches of the UI elements within each screen. The implementation phase follows, where I bring these drafts to life, one by one.

You can find my initial drafts for this task in the images below.

