

Project name

An event planner mobile app

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I. Project description

Parties and ceremonies play a crucial role in bringing people together, making it essential for these occasions to be meticulously planned and executed. Our application is designed to streamline the planning process, offering a range of services to help users organize events effortlessly and efficiently.

Starting with the initial concept, users can schedule their events and begin searching for the perfect service providers. Whether it's bands, decoration planners, caterers, or entertainers like magicians and clowns, users can browse profiles and review offers tailored to their needs. The booking process is simplified through a calendar system that shows the availability of each service. Once a user makes a booking, the provider can respond by accepting or declining the request.

To facilitate clear communication and negotiation, our app includes a built-in chat feature, ensuring that both parties can coordinate effectively. This way, everything remains organized and on track, helping to create unforgettable events.

II. Functional and Non-Functional Requirements

A. Actors

- User (The one who has the event)
- Service Provider (music band, caterer, ...)

B. Functional requirements

Authentication

- The person needs to identify as a service provider / user

Event planning

- The user can schedule an event
- In the event planning screen the user needs to book service providers:
 - Caterer
 - Bartenders
 - Music bands
 - Decorations planners
 - Entertainer (Clown, Magic show, ...)

And many more service providers .

The service providers differ from one event type to another. e.g a birthday event doesn't have the same services as a funeral.

Booking service providers

- The user books a service provider according to his availability.
- The user requests to book the service for that day.

Responding to requests

- The service providers logs into his account and consult the requests made by the users
- A service provider can Accept, Decline or negotiate with the user (a possible chat integration (Generative AI))

Rating System

Matching System

C. Non-functional requirements

Portability : Our application needs to be easy to install on multiple platforms.

Extensible : Our application is open to many extensions, there could be plenty of features to be added in the project to ensure a flexible user experience.

Efficiency : Our app needs to respond quickly to any actor's needs, while keeping the precision of the results.

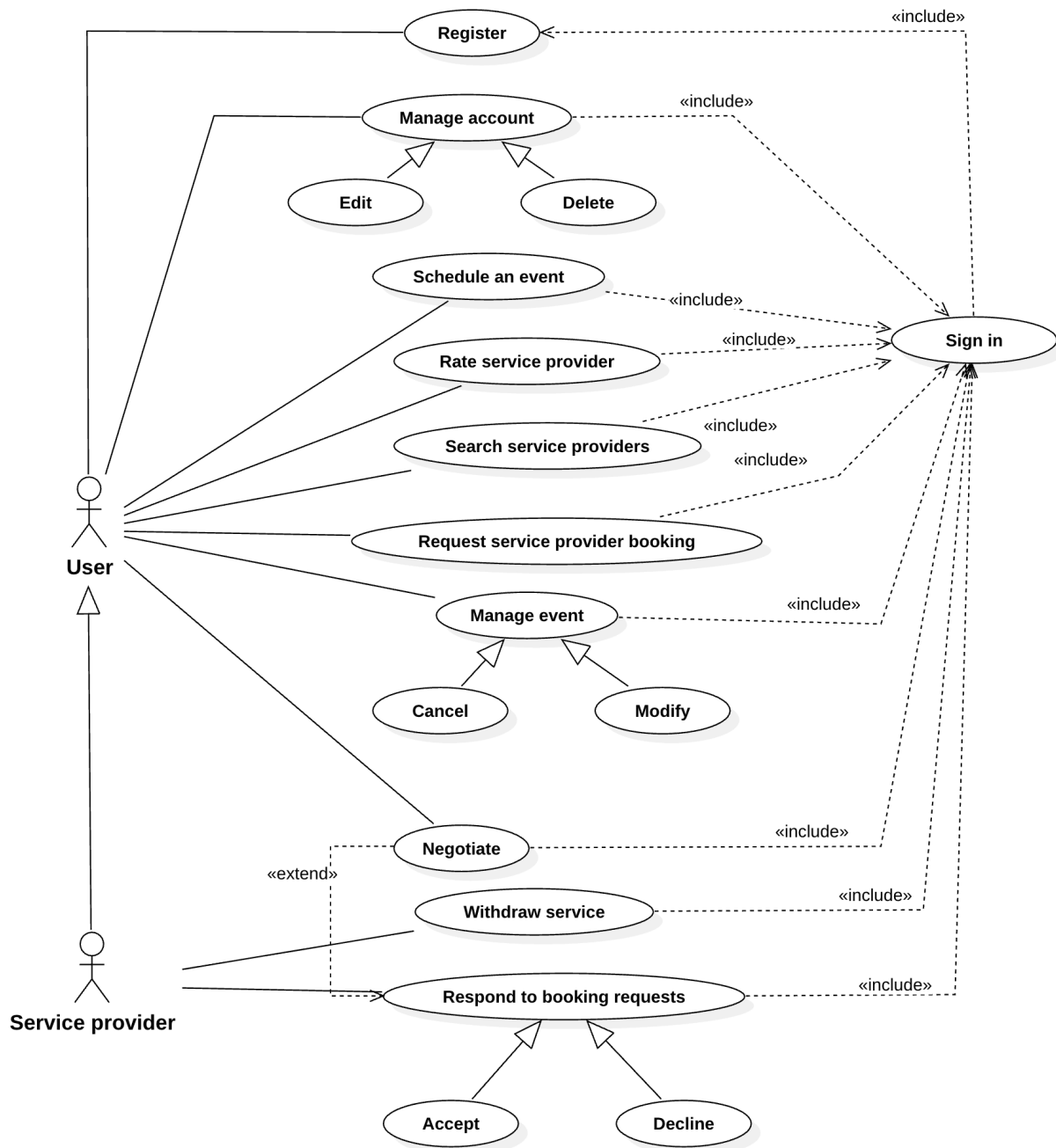
D. Technical requirements

Server tools : Firebase / SQLITE

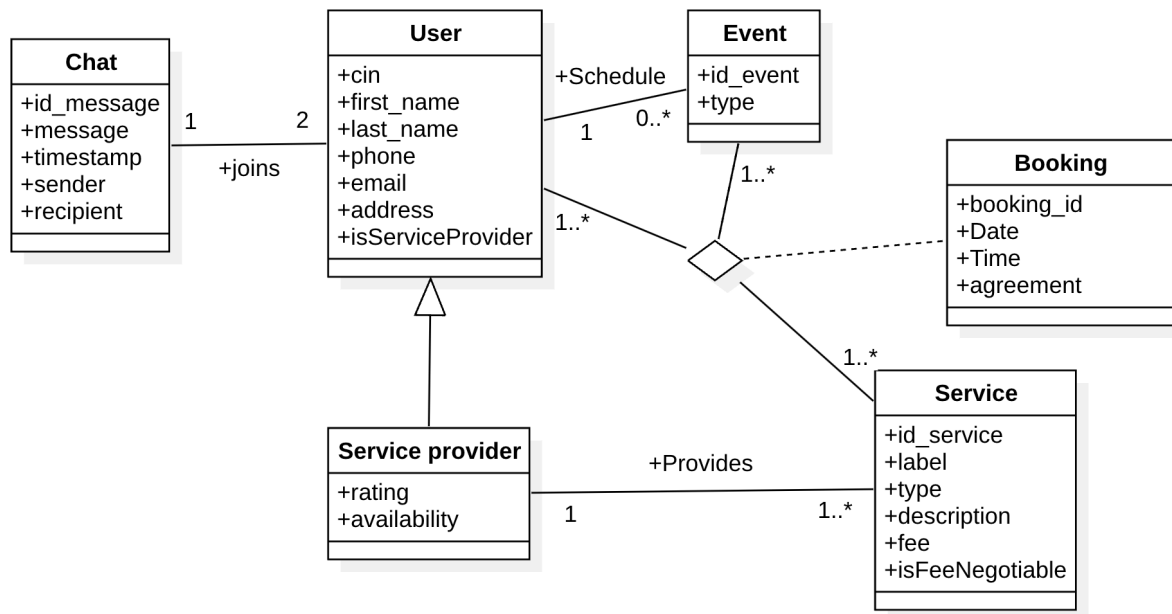
Technologies : Flutter / Dart

IDE : Visual Studio Code, Xcode, Android Studio

III. Global Use Case Diagram



IV. Global Class Diagram



V. Product Backlog

[Product Backlog](#)

VI. Sprint Planification

- VII. Sprint 1: [Event and Booking Management](#)
- VIII. Sprint 2: [System and Account Management](#)

IX. Notes

- Rating :
 - 3 strikes to withdraw a service from clients, else it will affect its rating system.
 - In case of an absence of a service provider on the event day, the client can record the incident and should affect the rate of the service provider.
- Location: integrating google maps api to suggest the nearest service providers depending on the client's location.
- Agenda: applying an agenda kind of display to better organize the booking process (book a service by choosing an available date/cell)

- Restrictions: any cancellation/withdrawal of a service by either the client or the service provider should happen at least two days before the due date.
- By applying the “accept terms and policies” of the app by both the client and the service provider, both of them agree on specific policies like using their personal information in an agreement document to prove the existence of the booking
 - Using personal information even when deleting the account to archive previous requests.