



Collaborative Travel Planning

MASARNA

Lina Qurom

Dana Aqel



Introduction

Travel planning can be very tedious, especially due to the extensive amount of details to do with planning for a trip, and when in a group setting, the complexity and hardship is indefinitely amplified. Aside from that, the lack of a platform out there that combines all travel details in one place, doesn't make things any easier.

Objectives

The primary objectives of our travel planning system are centered around delivering a seamless and collaborative experience for users. Our foremost goal is to ensure that travel planning, especially in group settings, becomes a smooth and gratifying process where the opinions of all participants are taken into account. Furthermore, a key focus is placed on providing users with an easy and intuitive interface, guaranteeing a friendly and straightforward user experience. Additionally, the system aims to consolidate all trip details in one place to streamline organization and accessibility for users. By meeting these objectives, our travel planning platform seeks to revolutionize the way individuals and groups plan their journeys, emphasizing both convenience and inclusivity.



Features

Trip Planning Features

- Create, share, and collaborate on trip plans with friends.
- Add personal and group events, view schedules, and manage budgets.
- Utilize external data for travel suggestions.
- Explore event locations and routes on the map.

Communication Tools

- Full notification system for real-time updates.
- Connect with others through a comprehensive chatting system.
- Benefit from a translator for overcoming language barriers.



Features

User Interaction

- Report, request, decline, or cancel friendships.
- Customize profile pages as per user preference.
- Submit ratings and suggestions for continuous improvement.

Support and Assistance

- Access a smart chatbot for application guidance and itinerary suggestions.
- View a 16-day weather forecast for multiple cities.



Features

Admin Features

- Monitor user reports and itinerary feedback.
- Take necessary actions based on user reports, including user removal or suggestion adjustments.
- Stay updated on application changes through the notification system.
- Review and consider user ratings and suggestions for ongoing improvement.
- Interact with users via the chatting system for inquiries and support.

Tools

BACKEND

Node js

Frontend

Flutter

Database

Mongo

Real time

Firestore

ML Tools





Future work

1

Expand the travel area beyond Antalya and Turkey.

2

Increase the capabilities of the robot to become more advanced and expansive within the limits of its knowledge.

3

Support Android system to make the application compatible with it.

Thank You