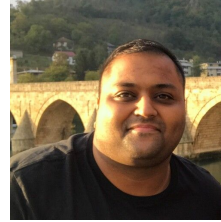# Travel Mate

Your Partner in Travel- Navigate, Explore, Thrive

Group 13

Elevator Pitch

Team Members

Shanmukha Kovvuri

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Concept

- **Description**

  A travel app that enhances your experience of exploring places by suggesting the best attractions in the area, top-rated places for food, and providing the weather forecast during your stay.

- **Motivation for development**

- **Real-Time Weather Integration -**

  - Provide up-to-date weather forecasts for chosen destinations, helping users plan activities according to the current and forecasted conditions.

- **Local Recommendations -**

  - Offer curated lists of top attractions, restaurants, and hidden gems at each destination, ensuring users experience the best a location has to offer.

User Story

As a frequent traveler with a passion for exploring new destinations, I want to use the Travel Mate app to enhance my travel experience. I aim to easily access information about the top places to visit, discover delicious food spots worth trying, and obtain the weather forecast for the first five days at the destination. This way, I can plan my trip to maximize my overall experience.

Process

Technologies used

- HTML
- CSS
- JavaScript
- Bootstrap
- Git
- Github
- Systems: Windows, Mac
- IDE's: Visual Studio Code, IntelliJ Idea
- Places API, Google Maps API, WeatherAPI

Project APIs

Places API
https://developers.google.com/maps/documentation/javascript/examples/place-search

Weather API
https://openweathermap.org/api

Breakdown of tasks and roles

- Team members worked independently and collaboratively using Live share through VS code.

Challenges

- Get the weather forecast for whole duration (more than 5 days)
- Working with New APIs and the limitations vs what we would like to deliver/implement.
- New to Working in Agile
- Time constraints outside of core hours
- Learning Live Share was challenging as we navigated its collaborative features in Visual Studio Code.

Successes

- Date Range Picker Initialization
- Local Storage Handling for Selected Dates
- Autocomplete Initialization
- Weather Data Fetching
- Updating the UI with Weather Data
- Conversion of Temperature Units

Demo

Wireframe mockup (left):

Where are you going? ✈ | 🧳 beginning day - end day | **Search**

Top places to visit during your stay!
- name 1
- name 2
- name 3

Img of location

Top places for food!
- Restaurant 1
- Restaurant 2
- Restaurant 3

The forecast for the duration of your stay:

01/1/2024	02/1/2024	03/1/2024	04/1/2024
☀	☀	☀	☀
Temp	Temp	Temp	Temp
Wind	Wind	Wind	Wind
Humidity	Humidity	Humidity	Humidity

Live demo (right):

✈ Travel Mate

Where are you going?

✈ london | 🗓 02/08/2024 - 02/12/2024 | Search

Top places to visit during your stay!
- Place 1
- Place 2
- Place 3

Top places for food!
- Food 1
- Food 2
- Food 3

Google Maps

The forecast for the duration of your stay: (up to 5-days)

2/8/2024	2/9/2024	2/10/2024	2/11/2024	2/12/2024
Temperature: 5.51°C	Temperature: 9.79°C	Temperature: 9.01°C	Temperature: 8.18°C	Temperature: 5.19°C
Wind: 1.91 KPH	Wind: 6.03 KPH	Wind: 3.41 KPH	Wind: 1.76 KPH	Wind: 3.6 KPH

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Directions for Future Development

SK - Place API connecting up search with Places API	KR - Weather API - fetching for longer date period, Premium Feature.
SK - Local storage for recommendations on Places API	VS - Slider for the weather forecast for date ranges more than 5 days
SK - Proper use of Google's Autocomplete, it's more feature rich but costly	VS - Polish up contact info on site
SK - General UI	VS - Form submission and validation
SK - Map Disappears at smaller scales could clean up that mechanic.	

Links

Github Repo: https://github.com/Skovvuri/travel-mate

Kanban Board: https://github.com/users/Skovvuri/projects/4/views/1