



Itinerary Planner Design

October 2023

—

Bhaskar & Jwana
PPAFNW & UKUICU

Overview

The Personalized Itinerary Planner is a web-based application designed to assist users in discovering and planning their ideal vacation destinations based on their preferences. Leveraging flight search APIs (like Duffel or Amadeus), the platform will provide flight options to affordable destinations that align with specific user-defined filters such as theme (e.g., beach, cultural, adventure), budget range, and travel dates.

Goals

1. Allowing users to find flights to and from destinations that match their general preferences.
2. Keeping the project scalable for future feature additions.

Functionalities and Pages

- Home page

It opens with the options to specify "Dates", "Number of People", "From", and "Vibe" (Type of place you wish to visit for vacation). There will be no "To" option, instead the application will search for multiple places based on the specified "Vibe" of the user. Examples of the "Vibe" option include Mountains, Beaches, Islands, Nightlife, Architecture, Historical, Small Towns, Family Trip.

- Login and Registration page

The login feature is provided so that past trips can be stored and accessed and some preferences can be saved for later use. Some user data can also be used for suggestions and emails.

- **Flights and Destinations page**

The page where search results will be displayed. They can be sorted by different parameters such as price, flight time, or a general “Best” option. Clicking the result will either redirect you to the airline website or open another web page with more details on the result.

- **About page**

The page will display information about the web application and how to contact the maintainers.

Some technical information

- **Front end**

Would probably be mainly created using CSS and HTML with usage of javascript.

- **Back end**

There will be a database for users and for destinations. Flight searching API will be used for finding flights.