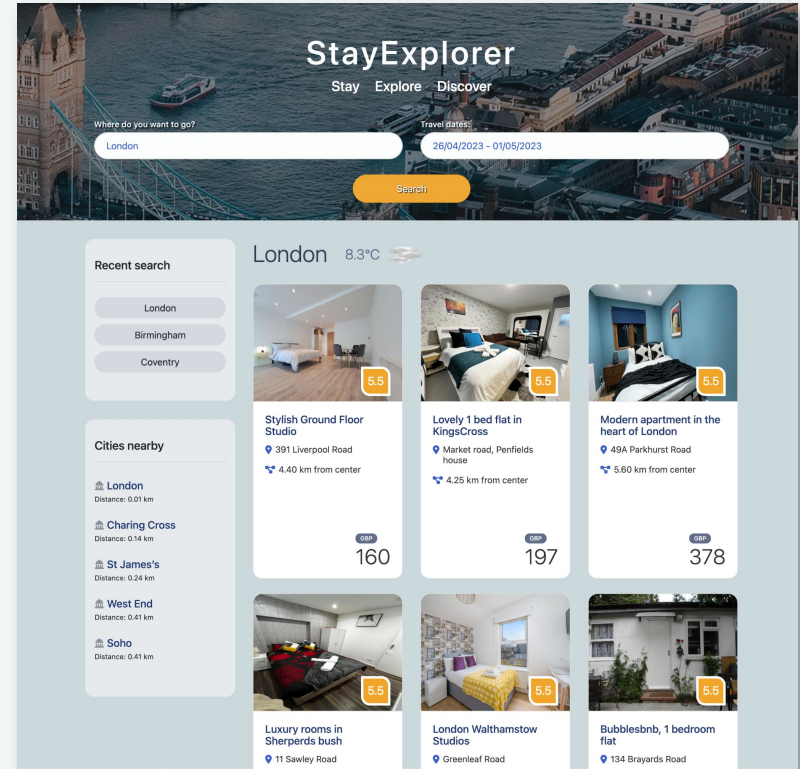# StayExplorer

Stay   Explore   Discover

Adrian Wong, Asta Remeikiene

Elevator Pitch

StayExplorer is a user-friendly application designed for travelers.

It provides a well-organized display of hotels in the form of cards, complete with images and brief details. All the user has to do is input the desired destination and travel dates.

The app also offers convenient features like current weather information of the search city, quick access to recent searches, and information about nearby cities.

Concept

Inspiration

Our target audience are people who like to explore destination and make discoveries independently. Staying in the hotel would be the starting point for exploring.

That was our inspiration - to create simple app for them to find where to stay and start the adventure.

User Story

Frequent travel is a part of my lifestyle, and as a user, my priority is to have easy access to information about available hotels in my desired destination. I prefer a comprehensive overview of the hotels in the area.

Additionally, it would be helpful to have access to real-time weather updates for my destination and the suggestions for nearby cities that I can explore.
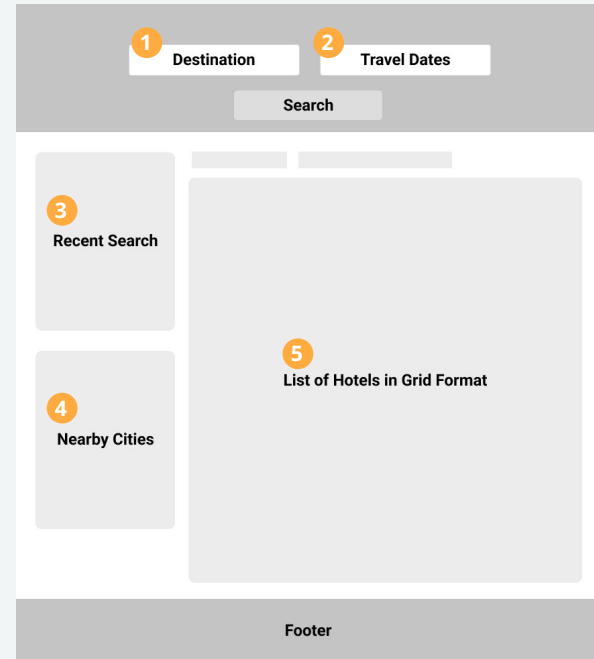
Description

The application is a single-page app that is responsive and compatible with all devices. The user interface consists of a header section for inputting destination ❶and travel dates❷, and below it, the content is divided into two parts. The left part displays recent searches❸ and nearby cities❹, while the right part shows hotels❺ in a grid format.

How to use

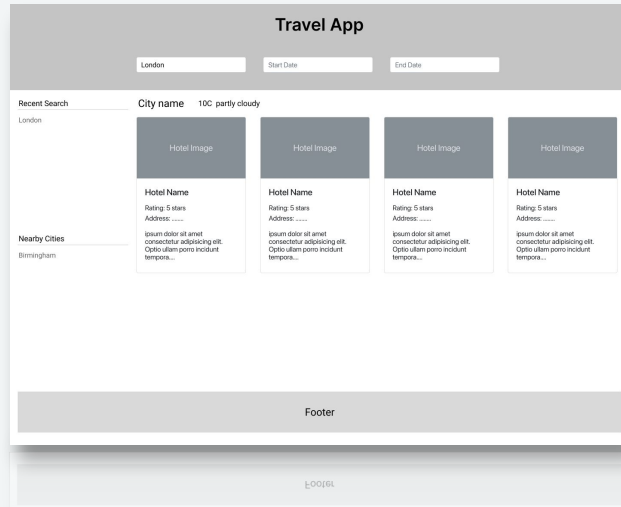To access information on available hotels in the area, users only need to enter their desired destination and travel dates. Detailed information on a particular hotel can be obtained by clicking on the hotel card, which triggers a pop-up modal with comprehensive details.

Users can quickly access previously searched hotels by clicking on the city button in the "Recent Search" section. Additionally, the app suggests nearby cities for users to explore and provides information on their distances from the search city.
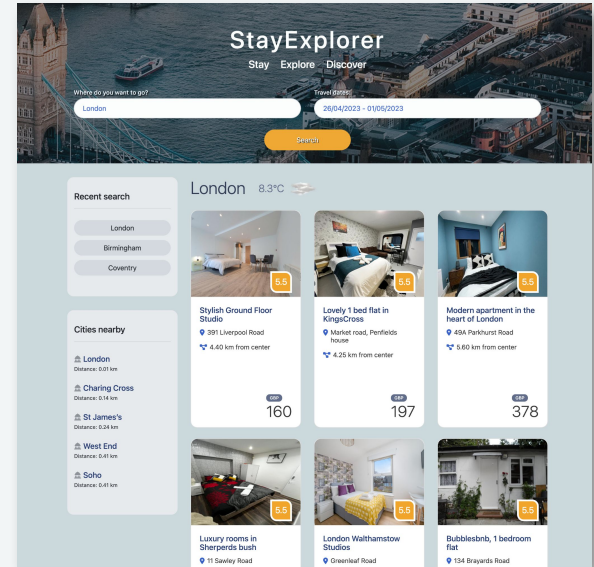
❶ Destination ❷ Travel Dates

Search

❸ Recent Search

❹ Nearby Cities

❺ List of Hotels in Grid Format

Footer

Process

Using Figma to create a wireframe layout

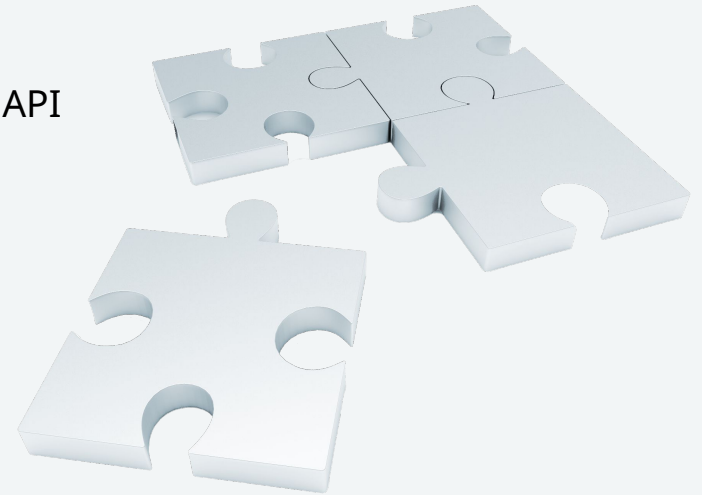Final product - StayExplorer App

Languages / libraries / API's used

- JavaScript
- jQuery
- Booking API
- GeoDB Cities API
- AccuWeather API
- JavaScript date range picker
- Bootstrap
- HTML
- CSS

Breakdown of Tasks and Roles

- **Adrian Wong** - developing app idea, researching for free API, wireframe and UI design, logic for retrieving the data from APIs and displaying on the page, implementing modal, styling the hotel, recent search and nearby cities sections. Fine tuning the app as well. Making presentation slides.

- **Asta Remeikiene** - developing app idea, researching for free API, building layout structure for the page, researching and implementing image/colors/appearance of the page, writing README.md for the project, making presentation slides.

- **Diana Purice** - developing app idea, researching for free API

Challenges

- Free APIs has the quota limit for call request. It is waste time for a developer to register for the new api key frequently.

- When dealing with complex APIs, it may be necessary to use multiple endpoints to obtain the desired results. This may require nested Ajax calls at times.

- Asynchronous Javascript - how to get information from GeoDB Api, which needs latitude and longitude(it is provided by Booking API)

- Need more Javascript knowledge and practise

- Coming up with suitable name for application!

Success

- The application is able to retrieve data from the all APIs and display it on the screen.

- Date range picker and modal is successfully implemented.

- Utilizing Bootstrap to design a visually appealing and user-friendly UI.

- Collaborate with others to develop the app.

Landing - default location displayed

Add desired city name and your travel dates

Directions for Future Development

- Display more information about the hotel such as amenities, prices for different types of accommodation.

- Add recommended tourist attractions / place of interests.

- Add locations on map so that user can easily to estimate how to access the hotel, tourist attractions etc.

- Hotel booking.

- More weather information for destination such as weather forecast.

- For security, make the API keys are not visible to public

Links

- Deployed - https://adriwg.github.io/travel-app/

- GitHub repo - https://github.com/adriwg/travel-app

Thank you for participating!