National Parks Road Trips

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Description

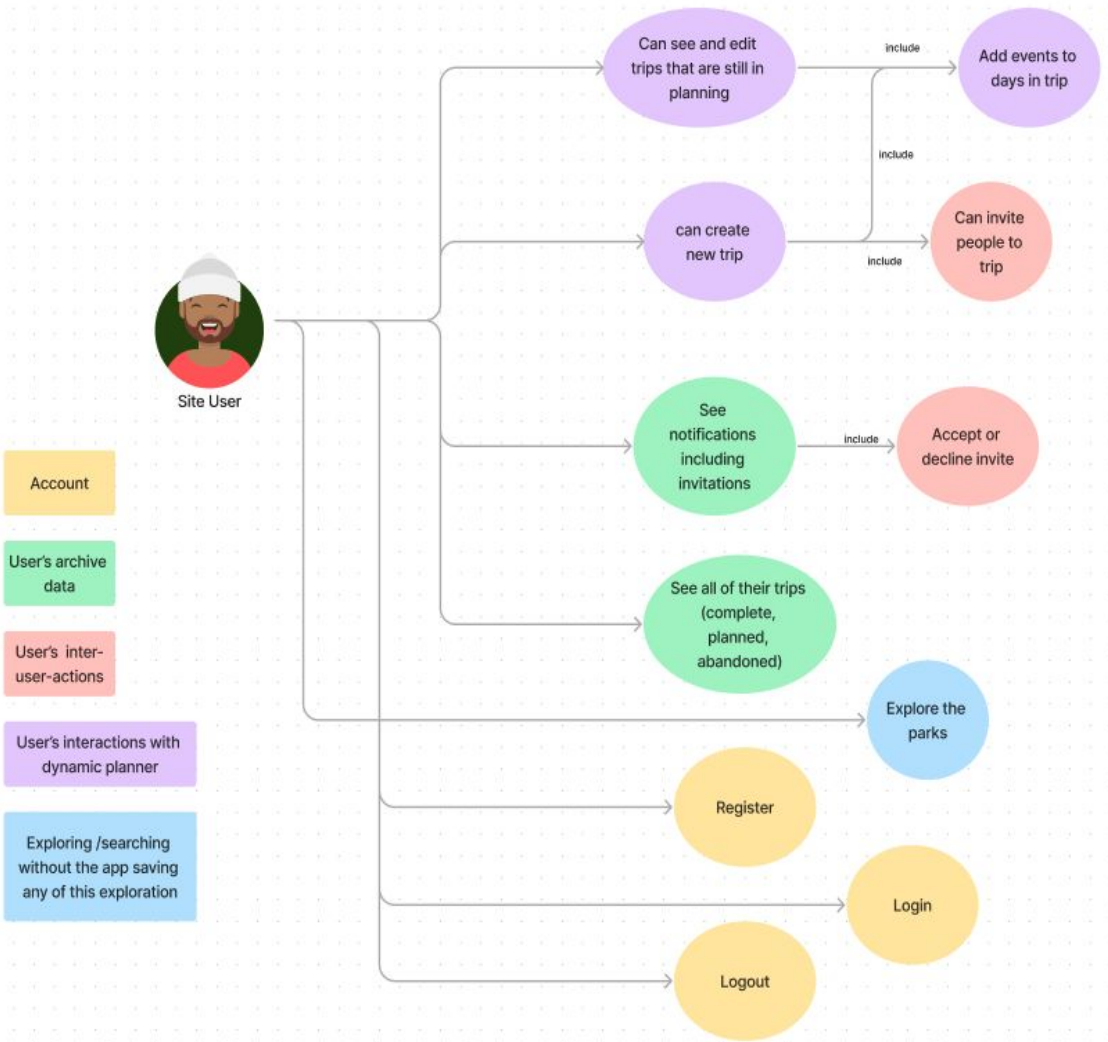
Our goal with the application

- Deliver a seamless and intuitive user interface that simplifies the process of researching and scheduling trips to national parks, ensuring a delightful experience from start to finish.

- Offer helpful content about each national park to enhance the visitor’s trip, by providing information about campgrounds, activities, and events.

- Facilitate a social platform within the app that allows users to effortlessly coordinate and schedule trips with friends and family.

What our application does



02

Tools + Methods

Tools

Github and Project Board : 5

Postgresql: 5

VScode: 5

Tools

NodeJS: 5

National Parks Service API: 5

Local Host: 5

Tools

Docker: 3

HTML, CSS, JS, Handlebars: 4

Figma: 4

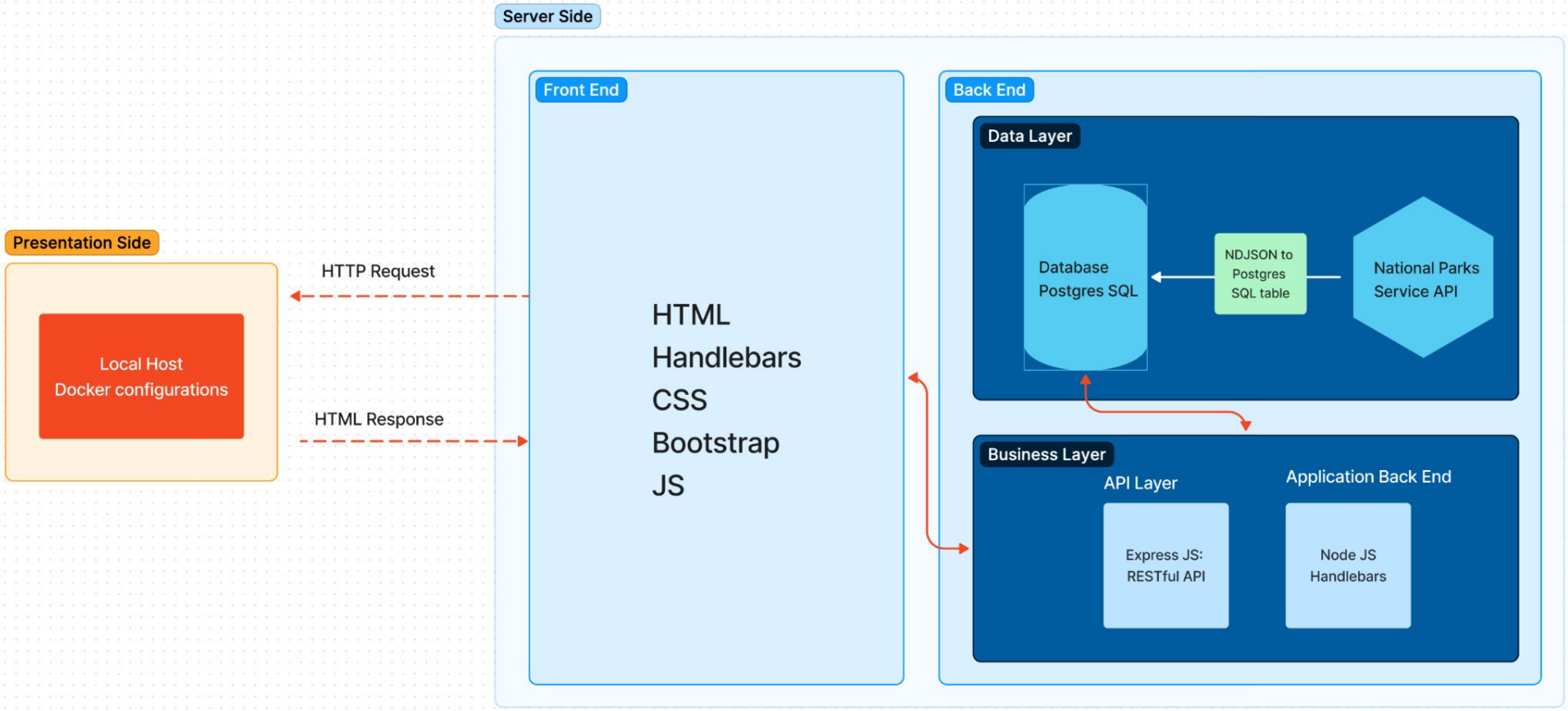
Methodology

What were the roles? How did we collaborate?

- Agile: Met up weekly for planning and for checking in
- Both Front-end and Back-end
- Pair Programming
- Iterative process

03

Architecture



Architecture Diagram

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Challenges

Challenges

Database: Translating data received from NPS API (NDJSON format) to Postgres database

- JSON data types within our tables required extra research to be able to manipulate and display on webpage (hbs helpers)

Webpage: Handling data across endpoints of our webpage

- Used ‘:’ notation in index.js endpoints to render pages that required user specific data

```
app.get('/edit/:id/:day_id?', (req, res) => {
```

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Future Scope

Future Scope

- Deployment on various accessible platforms
- Develop other CRUD functions: update and delete for events added to days
- Social Media implications such as posting images from the completed trip and following friends. Maybe have a popular itineraries section.
- Integrate a mapping API to provide an interactive map interface that allows users to plot their itinerary, and gps tracking for real time navigation assistance.
- Add a real time weather forecast API so users can plan their trip accordingly
- Better Branding, rename to like **TrekTerra™**, **TrailBlazer™**, **Trale™,** or **Adventura™.**

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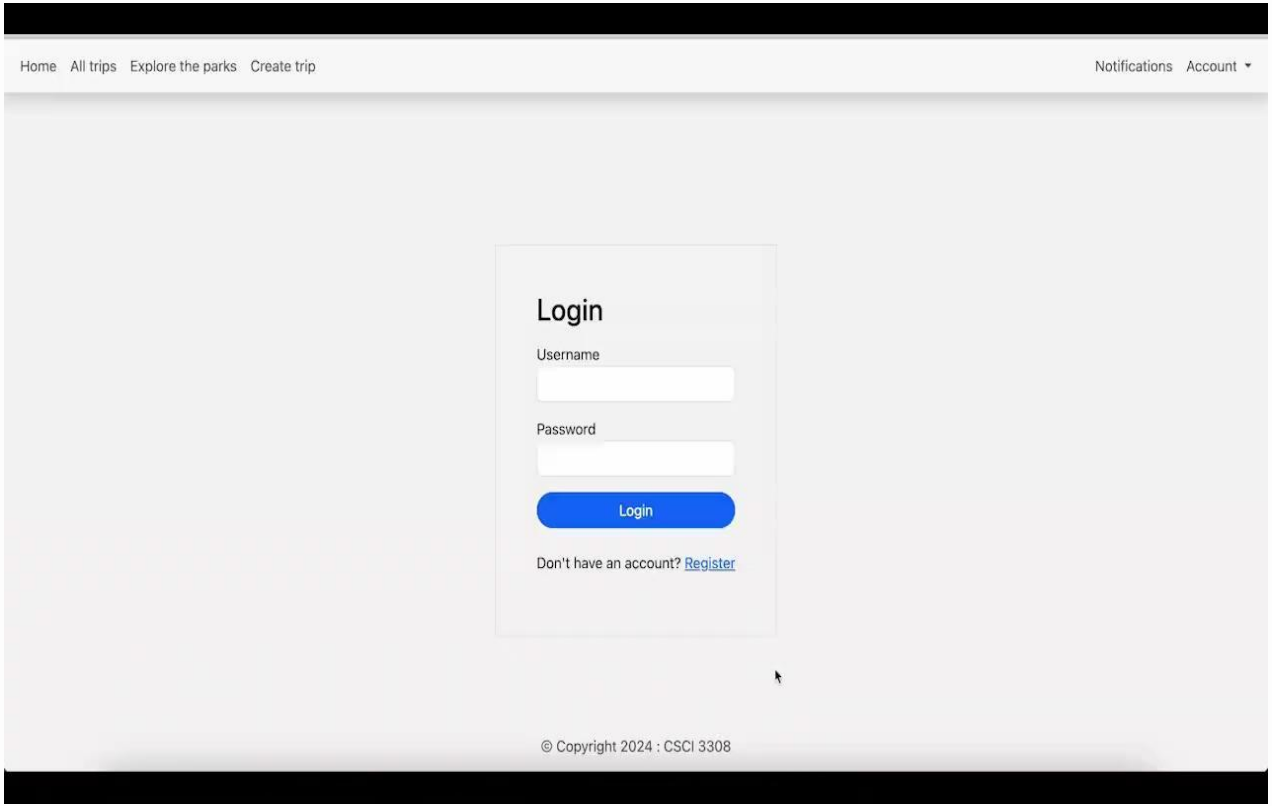
Demo

Video Demo



https://drive.google.com/file/d/1fHvqvWjfGZbnYPPfelgiP95nxQ7Jon4Z/view?usp=sharing

Thanks!

Do you have any questions?