

EzTravels



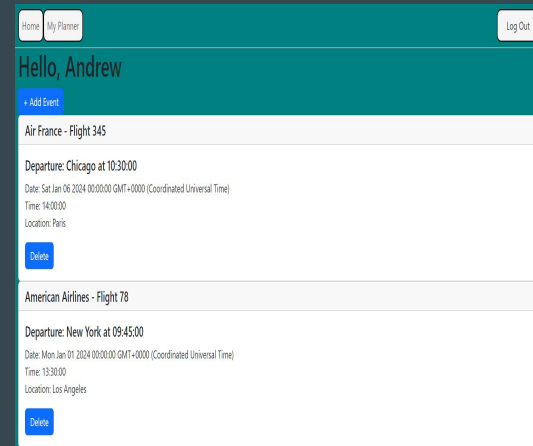
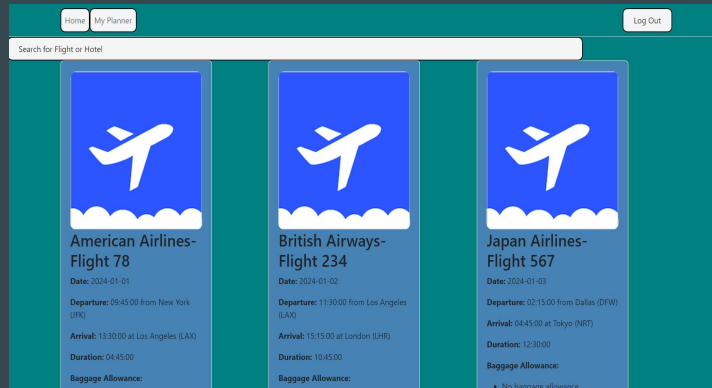
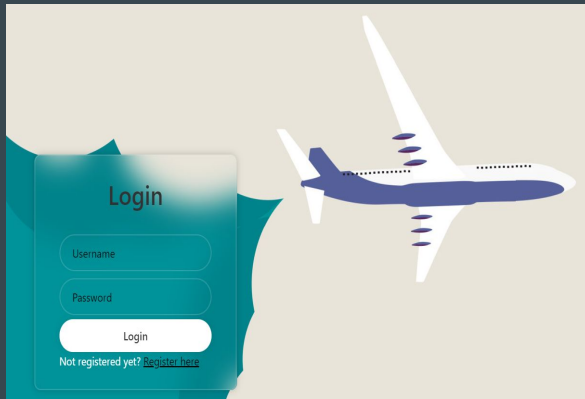
Group 6

Zac Bailey, Noah Pritchard, Andrew Johnston, Audra McDermott, Hana Burroughs, Joshua Sun

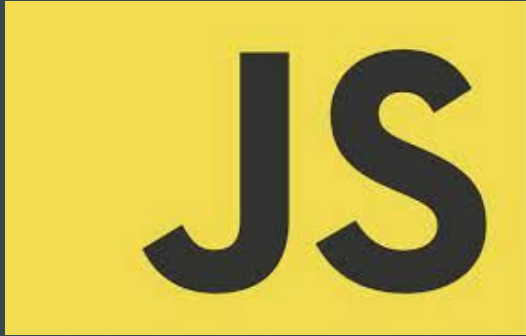
Project Description

Travel planning platform that makes it easier to determine one's travel plans and create their itinerary.

Our functional search engine lets users compare flights and hotels and once a desired one is found it can be added to an itinerary in the planner tab.



Javascript - Client Side



Group Rating: 3/5

SQL- Database



Group Rating: 4/5

CSS



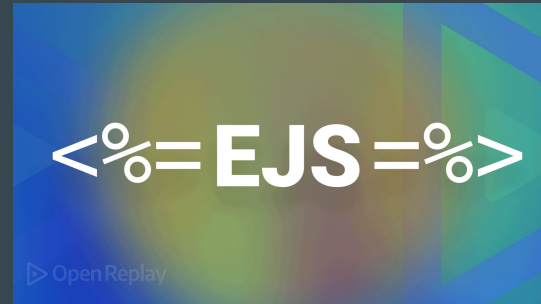
Group Rating: 3/5

NodeJS



Group Rating: 4/5

EJS



Group Rating: 5/5

Docker - Containerization



Group Rating: 5/5

Azure - Deployment



Group Rating: 3/5



Group Rating: 5/5

Methodology: Kanban

- Kanban style project board
- Continuous flow
- No specific "roles"
- Decided on what each person would do weekly.

Group Rating: 2/5



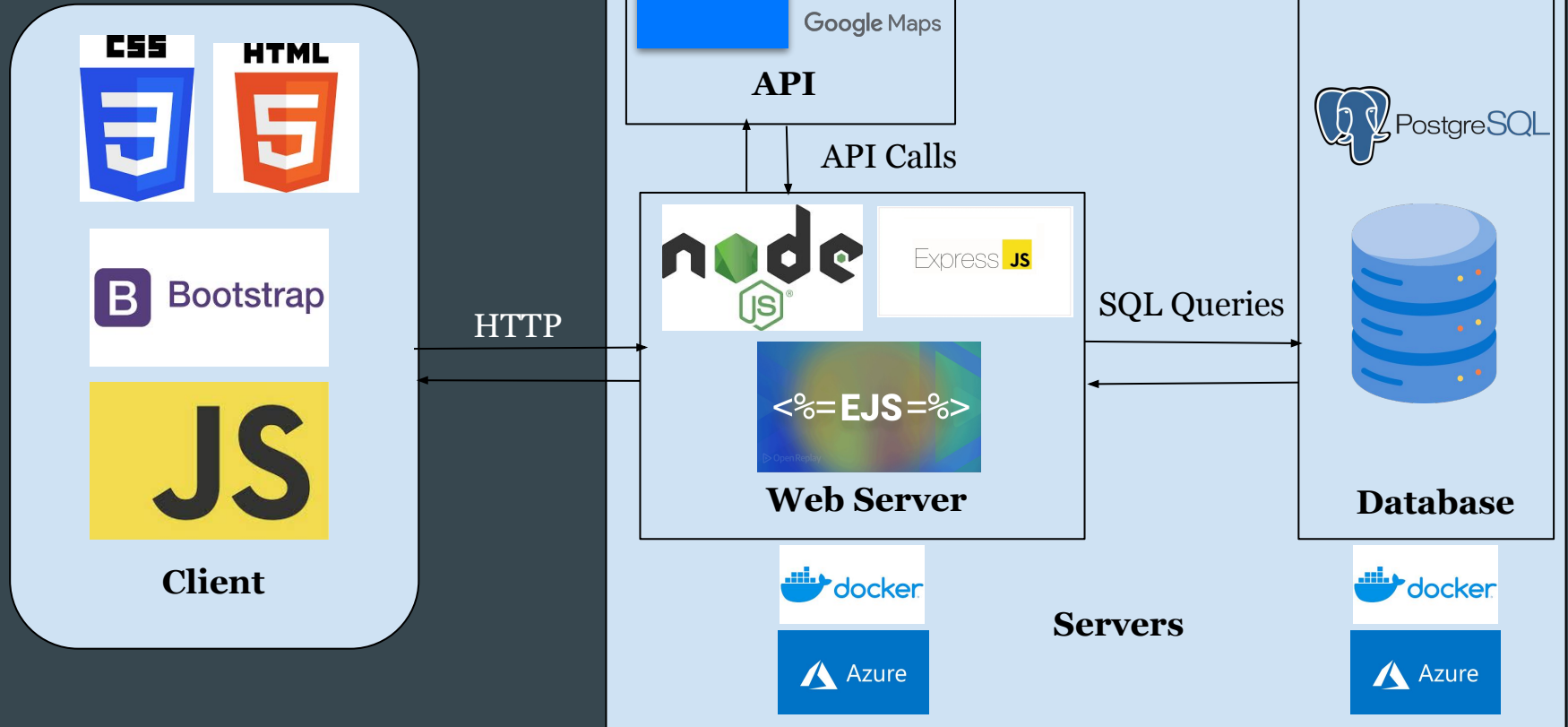
- Used for generating a map with the location of hotels

Group Rating: 5/5



- Used for pulling real time flight and hotel information into our database

Architecture Diagram



Challenges

Challenges: API

- Finding an API
 - Needed an API which offered both flights and hotels.
 - Only 500 free API calls.
- Sifting through returned data.
 - API returned thousands of lines of data.
 - Sorting through arrays.
 - Finding and pulling only the specific data needed.
- Security and hiding our API keys
 - .env
 - .gitignore

Challenges: Cart

- Authentication and payment methods.
 - Would have needed to authenticate and take payment information.
 - Actually purchasing the flight/hotel on behalf of the user.
- Managing dependencies.
 - API call and returned data.
 - SQL table.
- Merged with the planner:
 - Add items to planner just like a cart with no option for purchasing.

Challenges: Planner

- Keeping up with and managing changing standards for the planner.
 - Differentiating our product from our competitors.
 - Working with the Cart/actual functionality.
 - Time constraints and dependencies.
- Managing dependencies and workflow.
 - Cart and API.
 - SQL table.
- Functionality of a cart without option for purchasing items.
 - Add items and view them together in a list in order to help plan a trip.

Challenges: Merge Conflicts

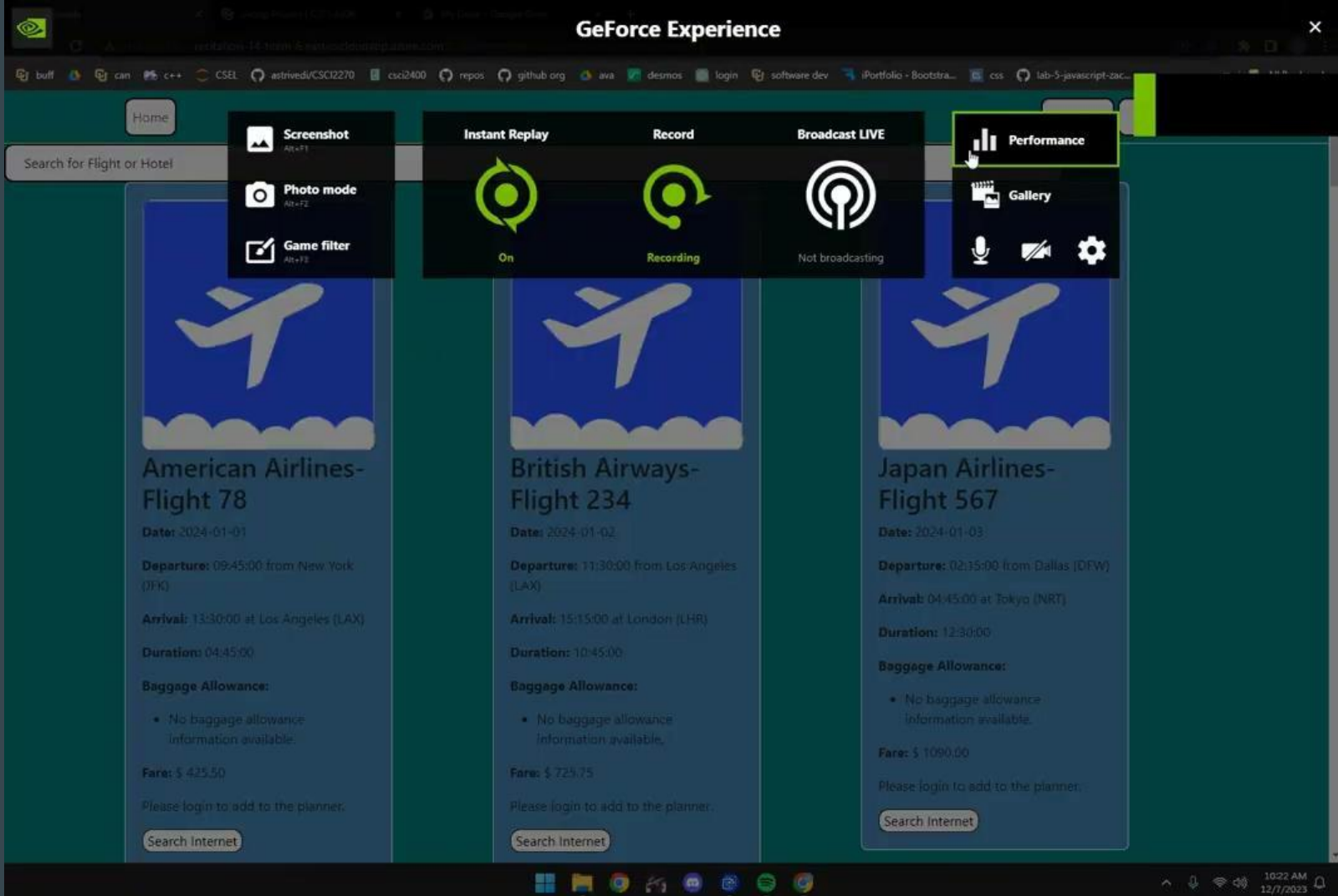
- Problem files:
 - Index.js.
 - SQL tables.
- Multiple people attempting to solve dependencies.
- Different and overlapping elements.

Solutions:

- Communication about who's working on what.
- Push/Merge workflow through command line and browser.
- Frequently making new branches.
- Frequent pulls when editing.
- Atomic commits.

Demo

Questions?



GeForce Experience

Home

Search for Flight or Hotel



Screenshot

Alt+F1



Photo mode

Alt+F2



Game filter

Alt+F3

Instant Replay



On

Record



Recording

Broadcast LIVE



Not broadcasting



Performance



Gallery



American Airlines-Flight 78

Date: 2024-01-01

Departure: 09:45:00 from New York (JFK)

Arrival: 13:30:00 at Los Angeles (LAX)

Duration: 04:45:00

Baggage Allowance:

- No baggage allowance information available.

Fare: \$ 425.50

Please login to add to the planner.

Search Internet

British Airways-Flight 234

Date: 2024-01-02

Departure: 11:30:00 from Los Angeles (LAX)

Arrival: 15:15:00 at London (LHR)

Duration: 10:45:00

Baggage Allowance:

- No baggage allowance information available.

Fare: \$ 725.75

Please login to add to the planner.

Search Internet

Japan Airlines-Flight 567

Date: 2024-01-03

Departure: 02:15:00 from Dallas (DFW)

Arrival: 04:45:00 at Tokyo (NRT)

Duration: 12:30:00

Baggage Allowance:

- No baggage allowance information available.

Fare: \$ 1090.00

Please login to add to the planner.

Search Internet



10:22 AM
12/7/2023