CSCI 3308 Final Project: EventGo

Developed by Jake Ludwigson, Danny Alba, Michael Ellis, and Jacob Lancaster

What is EventGo?

- Bring Local communities together through Event based carpooling system
- Allows for users to find local events
- Users can look for a ride
- Users can designate self as driver
- Utilizes geomapping to orient various users to each other

Tools Utilized

Methodologies

- Agile Framework
  - Project Board
- Iterative
  - Finish pages/routes before beginning ones
- Peer Code reviews
  - Testing each other features, reviewing code and styles of pages

Technologies

- Github
  - 3 out of 5
- PostgreSQL
  - 4 out of 5
- VS code
  - 4 out of 5
- Bootstrap
  - 3 out of 5
- NodeJs
  - 4 out of 5
- Microsoft Azure
  - 2 out of 5

- SeatGeek API
  - 4 out of 5
- Mapbox API
  - 4 out of 5
- Postman
  - 5 out of 5
- Local Host (development ENV)
  - 5 out of 5
- Docker
  - 5 out of 5

Architecture Diagram

Web Client

Rendered Pages

Http Req

Res Json

Server Side

Server (Index.js)

Map Information
(GeoJSON)

Map/Directions
request

Get/Post

Requested Data

Event
Information

Event Information request

Mapbox API

Database(SQL)

SeatGeek API
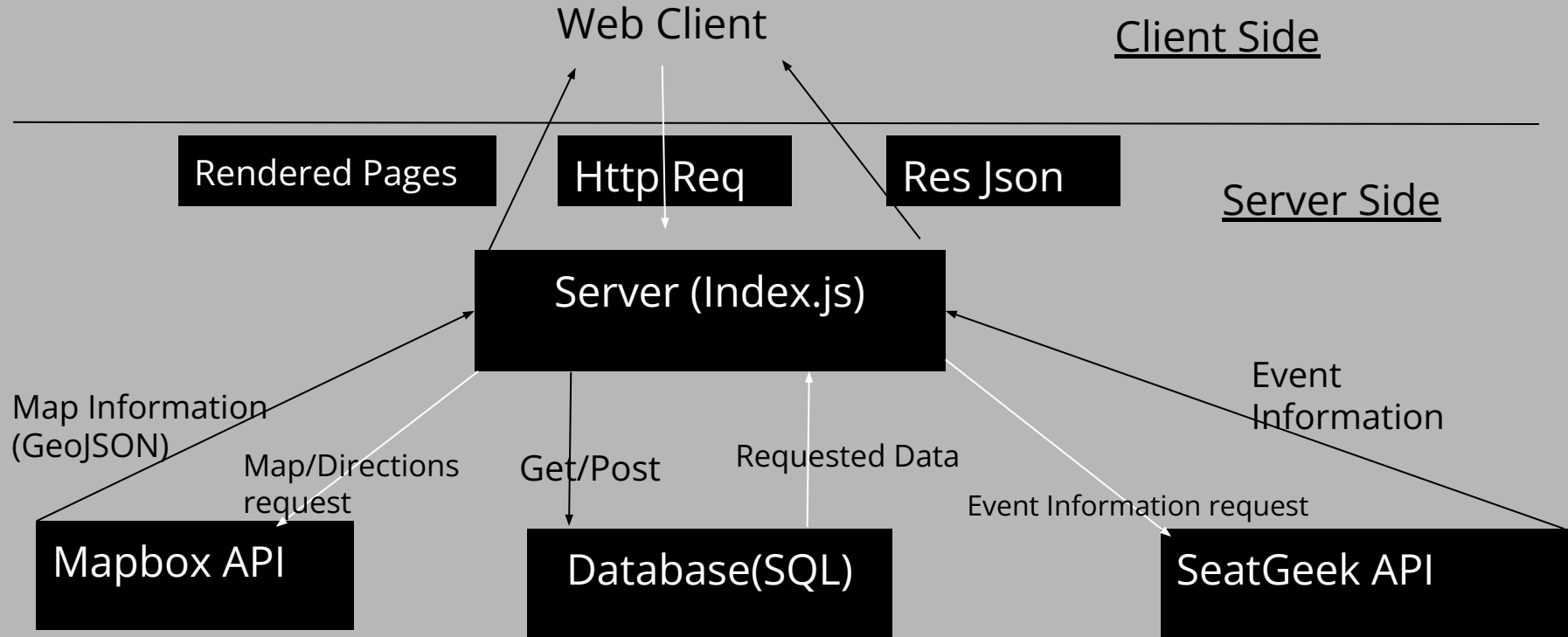
Challenges

- Git Branching/merging
  - Wasting time on merge conflicts
  - Problems with merging divergent branches
  - Different Naming conventions between group members caused merges to break code
- Database Design (Modified tables many times)
  - Initial design depended more on the database than the API, final design depended more heavily on the API so we could minimize database issues
- CSS styling
  - Problems with absolute versus relative positioning
- Problems with getting data fetched by routes on ejs pages

Demo