SkiPool

Plan your next great escape to the mountains with SkiPool

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Welcome to SkiPool!

SkiPool connects skiers and snowboarders, making winter trips more affordable, eco-friendly, and fun. Whether you're looking for a ride to the slopes or offering one, SkiPool helps you save money while building a positive, inclusive community. Join us today and share the ride!

Why Use SkiPool?

Travel Savings ▶

Share the cost of gas, parking, and tolls with others to make skiing more affordable.

Eco-Friendly ▶

Reduce your environmental impact and the carbon footprint of your trip by carpooling to the slopes, helping preserve the mountains for future generations.

Positive Community ▶

Meet fellow outdoor enthusiasts, rate and review your fellow riders, and ensure a safe and enjoyable experience for everyone.

Future Scope/ Enhancements

Reputation System

Earn badges for reliability (e.g., "5-Star Driver", "Friendly Rider") to help users build trust in others when joining a trip.

Notification System

Notification system for updates and reminders about upcoming trips or when a new trip is posted to your favorite resort or date.

Map Integration

The map integration feature displays ski resorts, trip routes, and pickup locations on an interactive map.

Tools We Used

VCS Repository: Github : 5/5

IDE: VS Code : 5/5

Container: Docker : 3/5

Database: PostgreSQL : 5/5

Frontend: HTML, Handlebars, Javascript, Bootstrap, Google Fonts : 4/5

External APIs: None

Server Scripts: Node js : 5/5

Backend Framework: Express (Node) : 5/5

Testing Tool: Chai : 3.5/5

Deployment: Render : 4/5

Project Tracker: Github Projects : 5/5
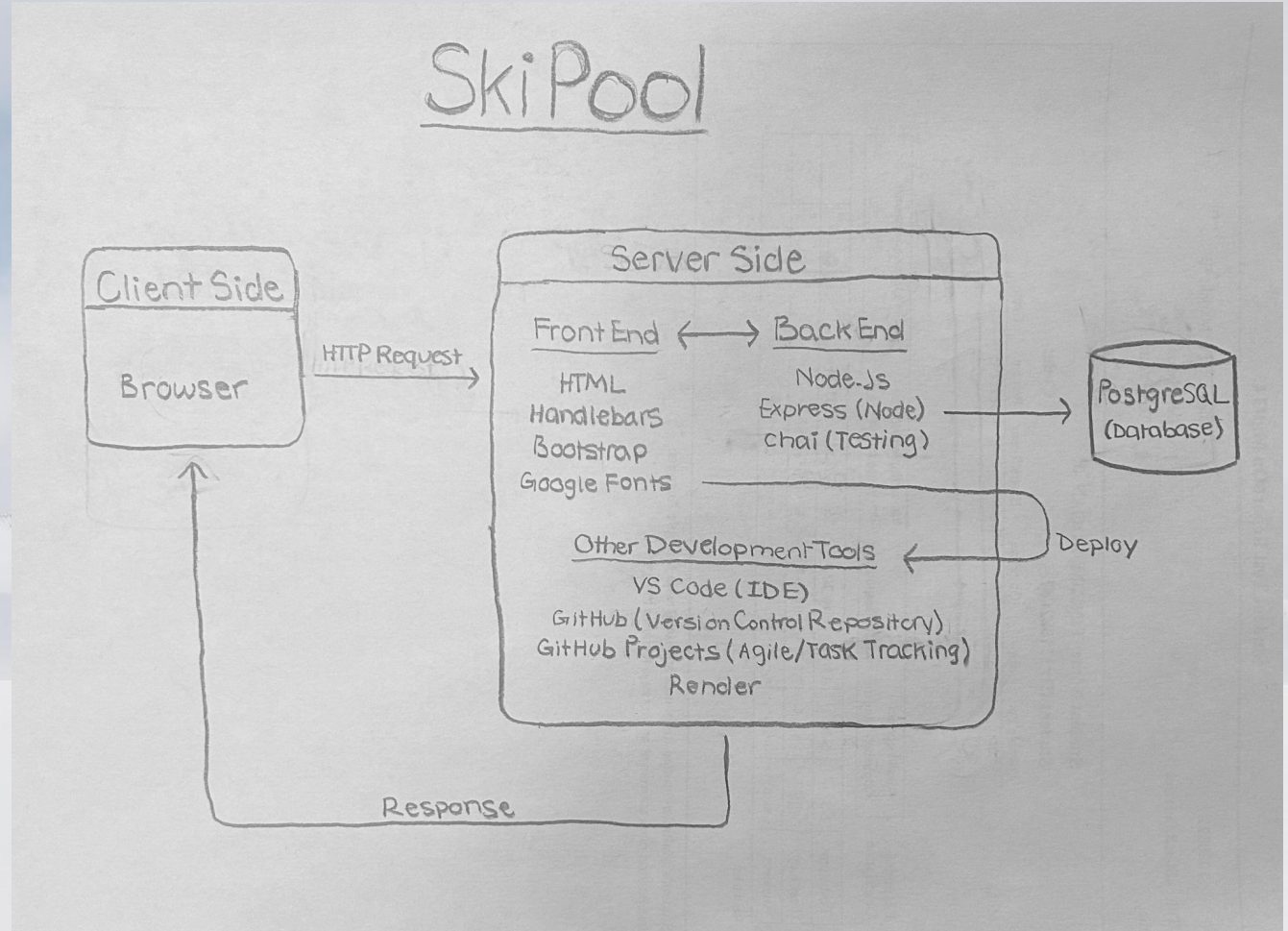
Methodologies:
Agile (Project Breakdown)
Iterative (Refining) (Feature Branches)
Pair Programming (Labs)
Peer Code Reviews (Pull Requests / Merges)
Regular Communication

Architecture Diagram

SkiPool

Client Side
- Browser

HTTP Request →

Server Side

Front End ← → **Back End**

Front End:
- HTML
- Handlebars
- Bootstrap
- Google Fonts

Back End:
- Node-Js
- Express (Node)
- chai (Testing)

→ PostgreSQL (Database)

Deploy

Other Development Tools ←
- VS Code (IDE)
- GitHub (Version Control Repository)
- GitHub Projects (Agile/Task Tracking)
- Render

Response

Challenges

Docker Issues: Couldn't get the docker to compose right

Solution: We updated the docker-compose.yml file to ensure all service dependencies were correctly named and networked.

Bugs with Find a Ride: Filtering by Dates wouldn't work

Solution: We standardized the date format in SQL using DATE() and ensured the backend always parses and stores dates

Merge Conflicts: Adding different endpoints in the index.js at the same time

Linear Dependency: Having to wait for people to finish their tasks before starting your own (e.g. functionality, then styling)

Solution: Coordinating our tasks better, and learning how to resolve merge conflicts using the Github UI

SkiPool Demo

THANK YOU!