



KARV INDUSTRIES



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VISION/DESCRIPTION

Are you tired of going through thousands of website options for rentals, trying to find the best winter gear for your vacation? Then, look no further than our ski marketplace Karv. We join skiers with the top ski resorts around the US with the best winter gear to offer. With Karv, you compare prices with your winter gear, purchase the equipment you want, and book any trip you wish. Say goodbye to the hassle and say hello to your best ski vacation with Karv.



TOOLS WE USED



Project Tracker: Github



VCS repository : Github



Database: PostgreSQL



IDE : VS Code



UI Tools: EJS



Application Server : NodeJS



Deployment environment: LocalHost, Azure



External APIs: Google Maps



TOOLS USED



Project Tracker: Github

Update project board with progress, using agile system



VCS repository : Github

Update repository with code updates



Database: PostgreSQL

Stored both trip information and item information



IDE : VS Code

Coded, using peer code reviews to validate



UI Tools: EJS

Used EJS to make up the structure of the website



Application Server : NodeJS

Connect APIS and making the website function properly



Deployment environment

Deployed the application to the internet

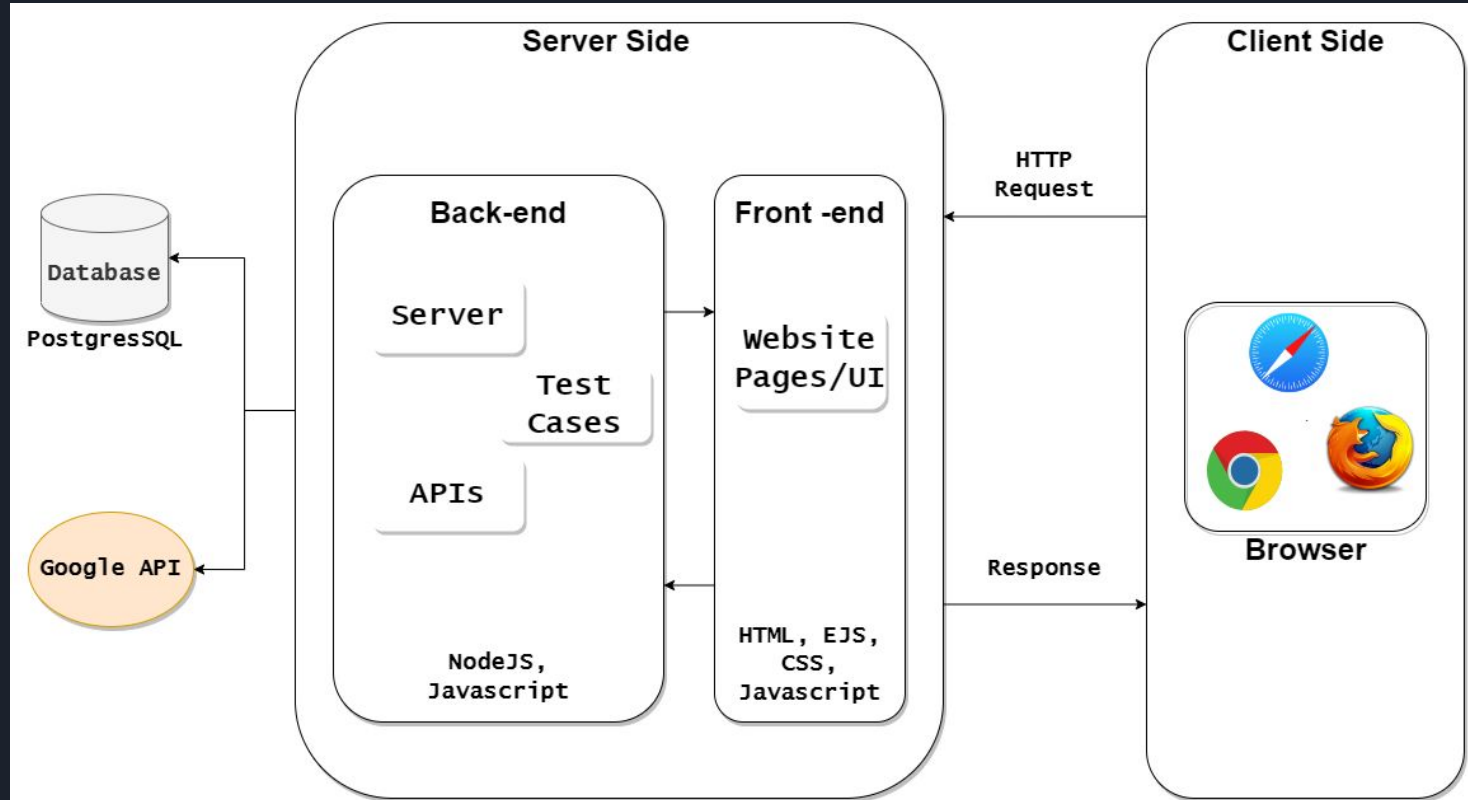


External APIs: Google Maps

Used Google Maps API to track locations we could use



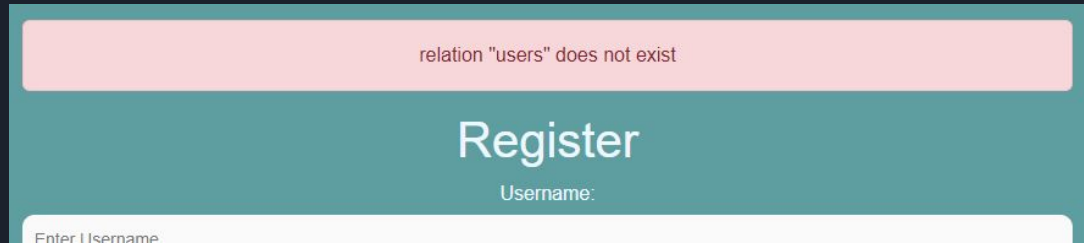
ARCHITECTURE DIAGRAM



CHALLENGES

Figuring out the API's, struggled with accessing API for getting a ski marketplace itself, adapted by implementing a fully fleshed-out database for all products a user could possibly want in a ski marketplace

Some of the functionalities had issues and bugs; we worked together to fix these issues using teamwork to figure out how the issues came about. For example, we struggled with registration and using that data to determine what you can access within the site. We fixed this by implementing a check for if you are logged in, and if not it will force the user to the login page



A screenshot of a web registration form. At the top, a pink error message box contains the text "relation 'users' does not exist". Below this, the word "Register" is displayed in a large, bold, teal font. Underneath "Register", the label "Username:" is shown in a smaller teal font. At the bottom, there is a white input field with the placeholder text "Enter Username" in a small teal font.



DEMO

<http://localhost:3000/>



Future Enhancements

- Filter functionality for search and trips pages

This would allow users to sort products based on price, rating, color, etc.

- Functionality to process and receive payments as well as

Another possible future enhancement would be adding functionality to process and receive payments. We could couple this with a fully functional booking system. In tandem, these two improvements would make our website a one stop shop to plan ski trips.

A final possible enhancement we could make would be finding an API to load skiing and snowboarding products onto our page. We could also find a ski trip API that would allow us to load trips directly onto our page.