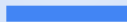# Gym Bros

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Description of our project

The Gym Bros application is designed for fitness enthusiasts of all ages and skill levels, combining competition with accessibility to create an engaging workout experience. Our platform elevates your fitness journey by introducing a dynamic leaderboard that fosters friendly competition and motivation, making every workout more rewarding and interactive.

Tools Used

GitHub 4/5
Version Control System (VCS) and project collaboration.
Iterative, peer code reviews (using pull requests), and agile workflows.
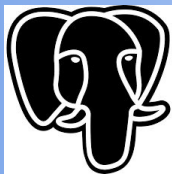
PostgreSQL 5/5
Relational Database Management System (RDBMS).
Agile (database schema design), iterative development, and pair programming for database optimization.

Lucid App 3/5
Visual collaboration and diagramming (e.g., flowcharts, system designs).
Agile, iterative design processes, and brainstorming sessions.

handlebars

Handlebars JS 4/5
Template engine for rendering dynamic HTML
Iterative, agile, and pair programming for efficient templating and reusable components.

Javascript 5/5
Programming language for building interactive web applications.
Agile, pair programming, and iterative development.

NodeJS 5/5
JavaScript runtime for server-side programming.
Agile, iterative development, and peer code reviews.
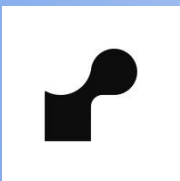
Tools used cont.

HTML 4/5
Markup language for structuring web pages.
Iterative design and agile web development workflows.

Chai 5/5
Assertion library for testing JavaScript code.
Test-driven development (TDD), iterative debugging, and peer code reviews.
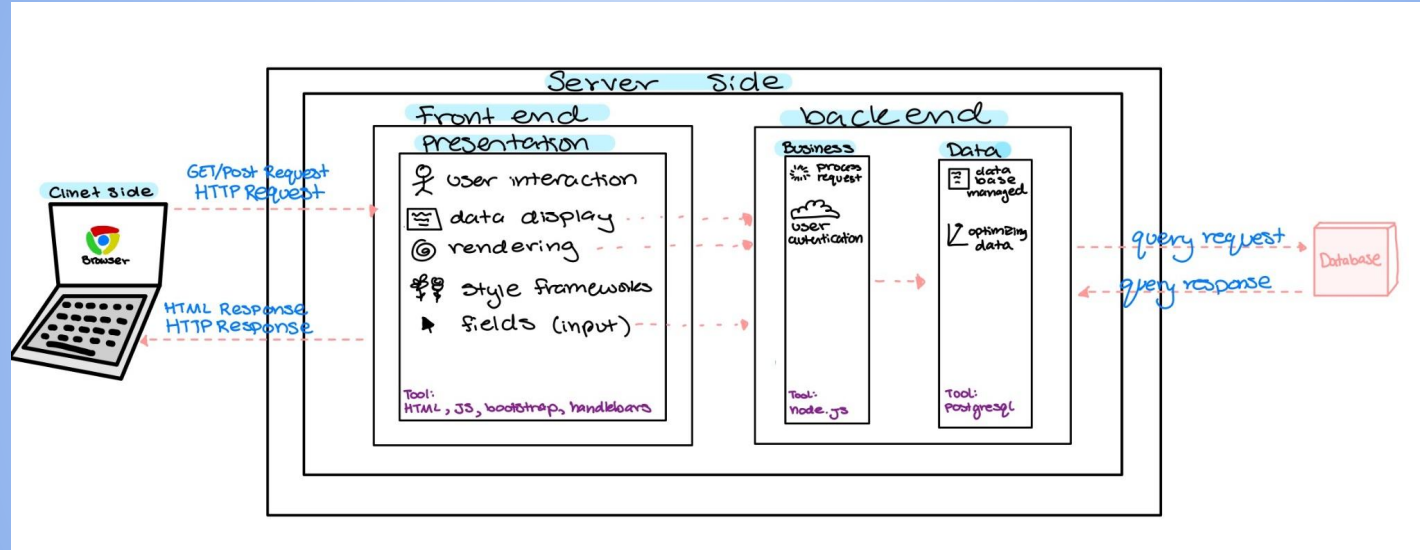
Render 5/5
Web hosting and deployment platform.
Agile, iterative deployment processes, and CI/CD workflows.

Discord 5/5
Communication and collaboration platform.
Peer collaboration, agile team discussions, and iterative project updates.

Architecture Diagram

Challenges

- One of the challenges that we faced in the beginning was synching up our Githubs when we used branches. In the beginning we had issues where we would work on things before doing a git pull which led to us getting confused and not being able to work efficiently on the project. Once we started to understand the process things we were able to work better together as a group.
- Something we also struggled with was sql and using it to remember our users profile once they logged in and it was something that we worked on for a bit before getting it down.

Another challenged that we faced was using Docker. Even though we have used it in almost every lab, there were times where loading the website would work for some of us but not others even when the information was all the same. This was something that we continued to struggle with even at the end of the project.

Future Scope/Enhancements

User Feedback and Engagement
Incorporating features for users to comment on and like on shop products, as well as suggest ideas for new products, workout content, or app features, can significantly enhance engagement and community involvement. Reviews and likes provide valuable user-generated insights, helping prospective buyers make informed decisions and discover popular or highly-rated items at a glance. Meanwhile, a suggestion system allows users to share ideas and propose improvements, fostering a dynamic feedback loop between the platform and its community. By giving users a voice and involving them in the platform's evolution, these features cultivate trust, loyalty, and a deeper connection to the app.
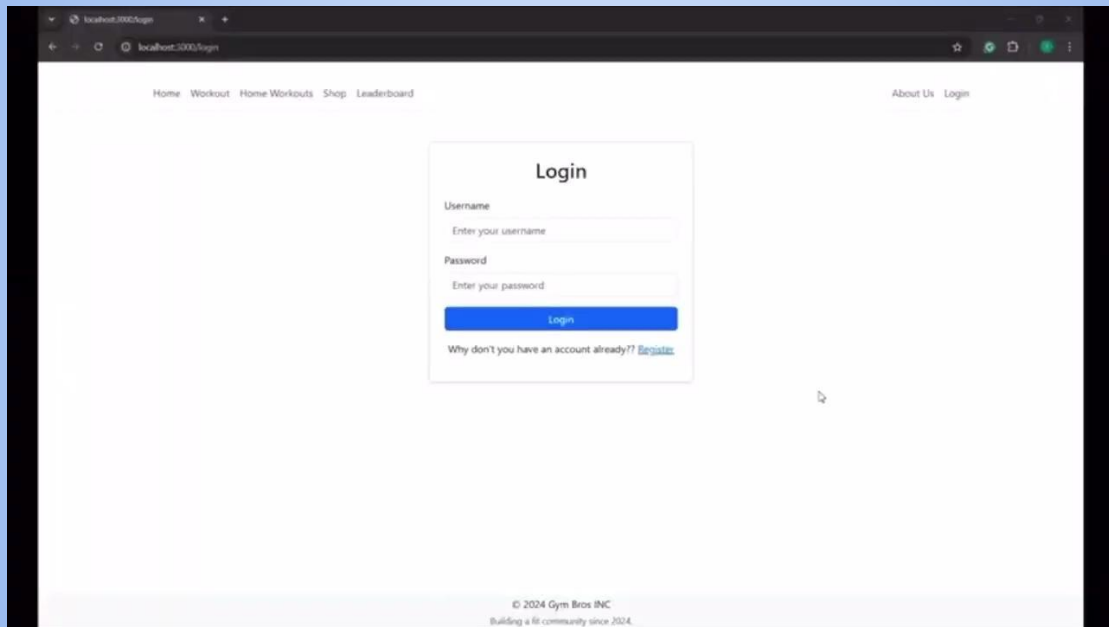
Friending and Networking with Other Users
Adding a friending system can elevate the platform's social aspect, transforming it into a space where users not only engage with the content but also connect with like-minded individuals. Through friending, users can follow each other's progress, share tips, or recommend products and workouts. This feature encourages collaboration, mutual motivation, and the formation of a supportive community. For fitness-focused platforms, this social connectivity can inspire users to stay consistent with their goals while fostering meaningful relationships.

Geolocation Features
Integrating geolocation features can take user experiences to the next level by tailoring content and recommendations to their local context. For example, users could discover nearby workout facilities, events, or deals on fitness products. Geolocation can also support location-based challenges, where users compete or collaborate with others in their area, adding a competitive and fun element to their fitness journey. These personalized and location-aware features not only enhance user satisfaction but also create opportunities for localized partnerships and promotions.

Demo of our project