Title:
Gym Bros

Who:
Breanna Harris
Idaly Gomez-Pena
Joanne Li
Joe Voirol
John Kim
Nicole Paraschiv

Project Description:
Introducing Gym Bros, an all-in-one fitness companion application designed to help the user track and achieve consistency. Our application is packed with a multitude of features that can seamlessly integrate itself into the user's fitness journey. With Gym Bros, you can track and log up to nine pre-selected workouts that encapsulate every main part of the body, timing each session down to the milliseconds, and providing the user with a detailed calorie burned counter dynamic to the type of workout. Stay motivated by recording user metrics such as body weight, height, and other fitness details in our comprehensive registration process that stores your details in our expansive database for quite possibly forever.

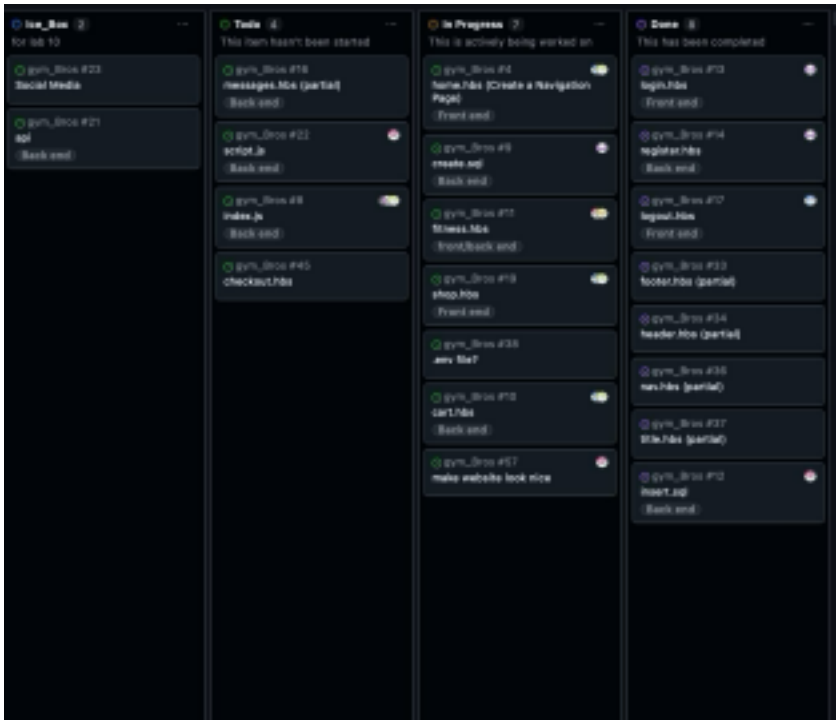
Competition is also heavily supported with a leaderboard that tracks and ranks users based on an internal point system, allowing our users to stay at the top by maintaining their fitness.

Additionally, users who want to indulge their capitalistic desires are encouraged to check out the Gym Bros shop, providing users a method to purchase gear and supplements from popular online shopping centers.

Whether you are a beginner or a seasoned athlete, the Gym Bros application provides all the tools to monitor your personal fitness.

Project Tracker - GitHub project board:

Link to Project Tracker: https://github.com/users/BreHarris0917/projects/2



Video:

https://drive.google.com/file/d/1WJydhylUyxzjlrEW3yjRBrdJbg9KiTw/view?usp=share_link

VCS:

https://github.com/BreHarris0917/gym_Bros.git

Contributions:

Breanna's Contribution:

For my contribution I worked on the cart file and shopping file, it was something we ended up removing to do something else, but in the beginning it was my main focus. I also worked on a workout screen that linked to some at home workouts for people to do. The home workout coincides with the 9 workouts that are on the workout page along with other workouts. The workouts range from beginner to more advanced, where some need equipment and others don't. The workout page provides a variety of workouts for people at any point in their workout journey.

Joanne's Contribution:

I mainly focused on the backend where I help set up the basic routes in index.js and building the check-in feature. I worked on making sure users could check in once a day, adding a point to their score only if they hadn't already checked in that day. I also set up the pop-up notification to confirm their check-in. This feature adds to the user experience and ties into the ranking system to keep users motivated.

Idaly's Contribution:

For my contribution, I worked on the database and its connection between the back and front end. My focus was on features like the login, register, home, and leaderboard pages. On the home page, I added functionality for viewing profiles and changing passwords. The leaderboard dynamically pulls and displays user points from the database. I also resolved issues with storing user data securely in the database.

Joe's Contribution:

My contributions to the project include working on nav.hbs as well as title.hbs. These two pages utilize handlebar.js to add functionality to the basic display and navigation around the website in a dynamic manner. All unit testing for our project was completed by me during lab11. Added photos and rewrote the "about us" page, these additions contributed to the completeness of that page. All creation credit for "about us" goes to John.

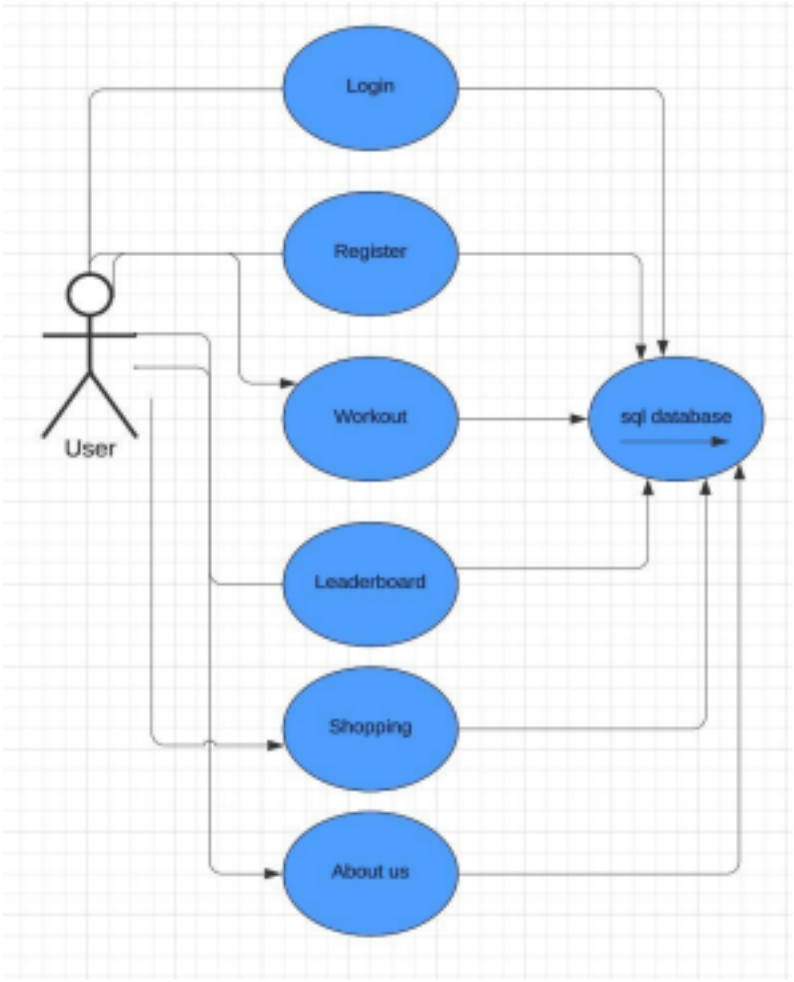
John's Contribution:

I worked mainly on the fitness tracking part of the application. The timers, the workout modals, and scripts that pertain to the fitness page were developed over time. I also contributed to some overall “beautification” primarily on the login and registration page, as well as the addition of an About Us page. The point system, as well as the scripts in fitness.hbs were all developed by me, and the challenge I faced but overcame was how to post point data into the database through scripts.

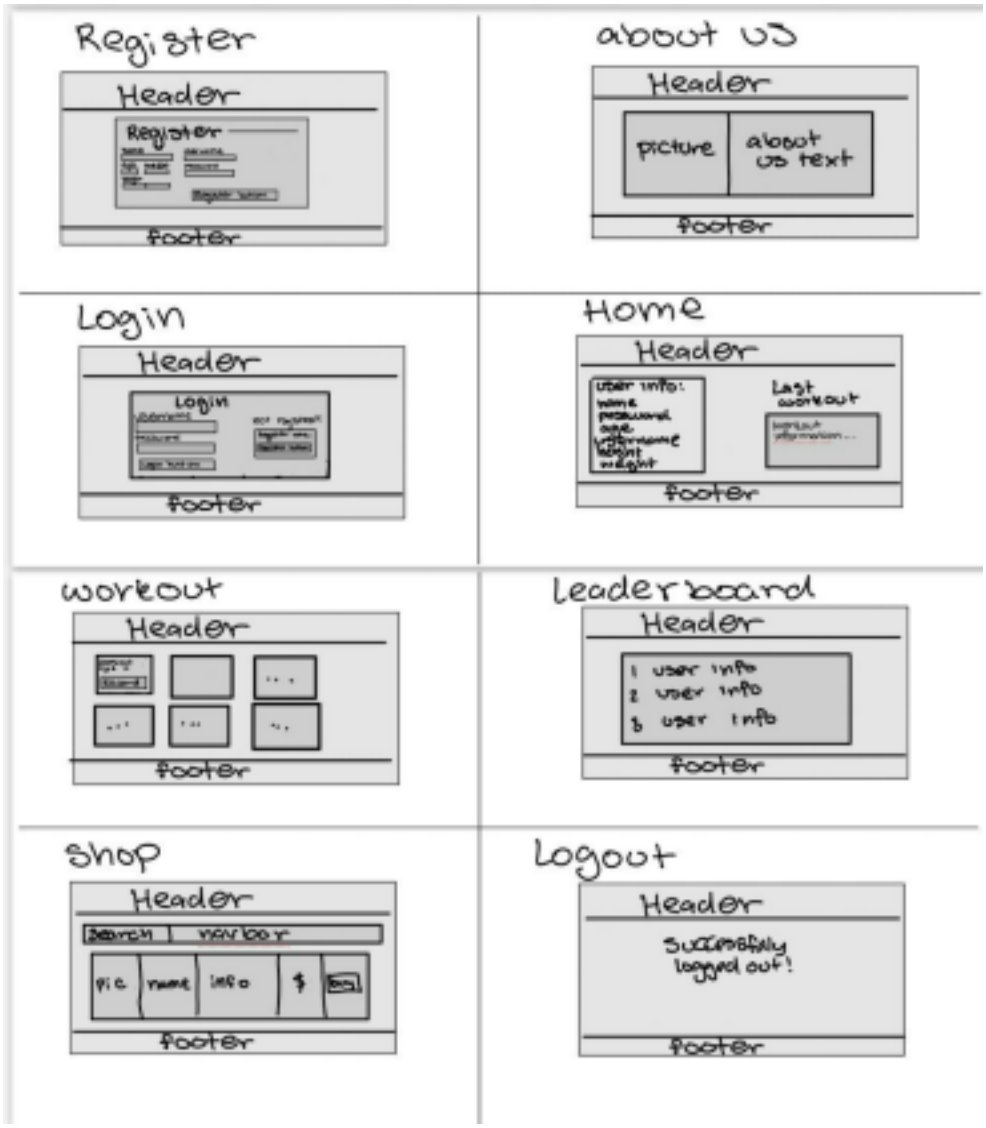
Nicole's Contribution:

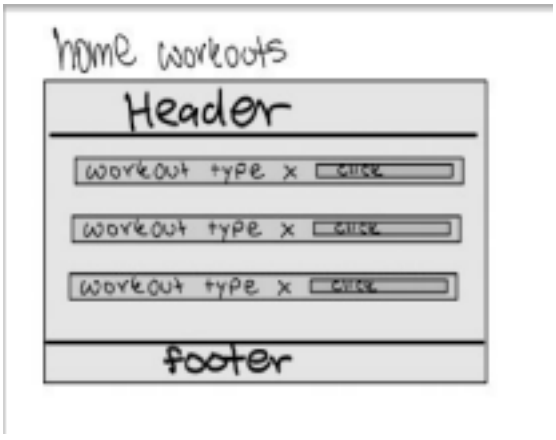
I primarily focused on developing the storefront for our project, ensuring it was functional and user-friendly. I experimented with different ways to display products and problem solved issues related to user payments and interactions. To simplify the process, I decided to link users directly to the sellers’ websites for purchases. I also added a search bar to help users easily locate specific items available in our shop. Most of my work involved building and refining the HTML components, as the shop’s structure heavily relied on HTML. This approach allowed me to focus on creating an intuitive and visually appealing storefront.

Use Case Diagram:



Wireframes:


Register
Header
Register
footer
about us
Header
picture
about us text
footer
Login
Header
Login
footer
Home
Header
user info:
Last workout
footer
workout
Header
footer
leaderboard
Header
1 user info
2 user info
3 user info
footer
shop
Header
search
pic
name
info
$
footer
Logout
Header
Successfully logged out!
footer


home workouts
Header
workout type x
workout type x
workout type x
footer

Test results:

1. **What are the users doing?**

   Users are interacting with the application primarily by performing actions like registering, logging in, viewing data, and navigating through various pages such as user profile, fitness pages, shop, workouts, etc. They are also earning points by working out and consistently logging in to work out, Which is then posted on a leaderboard because we believe the users would be competitive in nature.

2. **What is the user's reasoning for their actions?**

   Users aim to achieve goals such as accessing personalized fitness content, tracking progress, and engaging with the platform's community. For example, logging in provides access to personalized dashboards. The reasoning behind the user would be to work on themselves with their fitness, which is what our application aids with.

3. **Is their behavior consistent with the use case?**

   Yes, user behavior aligns well with the intended use cases. Actions such as registering, logging in, and engaging with features like recording a workout fit the design and purpose of the application. The testing results indicate that core functionalities, such as authentication and data posting (point system, registration), are being utilized as expected.

4. **If there is a deviation from the expected actions, what is the reason for that?**

   The system logs show no significant deviations from expected user actions. However, vulnerabilities identified during the audit and potential misconfigurations might occasionally lead to unexpected user experiences. These issues are more technical rather than stemming from user behavior. Registration scripts, for instance, prevent the user from inputting weird data such as negative feet and inches and above 11 inches for their height.

5. **Did you use that to make changes to your application? If so, what changes did you make?**

   Yes, we prompted several changes:

   Testing Coverage: Enhanced test cases to cover more scenarios and validate that user actions, like authentication and workout data posting.

   Error Handling: Improved error messaging to provide users with clearer feedback, especially during registration or login failures.

Deployment: https://gym-bros.onrender.com/login