BENCH BUDDY

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What is Bench Buddy

More than 50% of the world's population lives in an urban setting where going to the gym is the best option to keep healthy. But when it comes to staying fit, even though people want to become the best physical version of themselves, they lose track of time and motivation to pursue their goals. That's where Bench Buddy comes into help the masses - A Revolutionary Web Application to make going to the gym fun! This application provides the user the ability to be in control by setting fitness goals, creating fitness plans, and see their peers' progress and see how they compare. Bench Buddy will make sure that you are true to your goals and get you where you want to be in life with fitness!

Functionalities and their Purposes

The application will first provide a user the ability to sign up and set their goals. The application is designed to be used once for a user to check in and check out once they are in a gym.

The application will provide the ability to check in when the user is at the selected gym they signed up with. After check in, it will automatically add a point to the user for every hour they stay at the gym.

There is also the option to see the leaderboard where the user can see their standing compared to their peers based on the points achieved during workouts. This functionality is intended to add extra motivation to the user to add a competitive side to the application.

Technologies Used

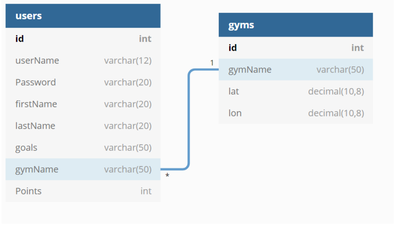
The following technologies have been utilized:

- HTML kits for the web pages
- CSS and BootStrap 4 UI for the User Interface
- JavaScript for interactive/event driven web pages
- Node.js for the server side
- mySQL Server for the database on the backend of the Node.js server

Database Schema

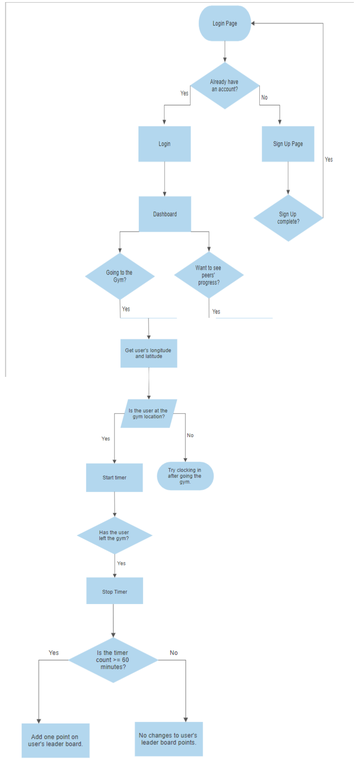
MySQL was used for the application's database needs. The database is fairly simple, but gets the job done in regards to the functionality of the application.

The figure below describes the database schema of the application. The column which joins the two tables in the gymName variable, which is used to set a preferred gym for the user and that information is used to utilize the geolocation data for the respective gyms.



Data flow Diagram

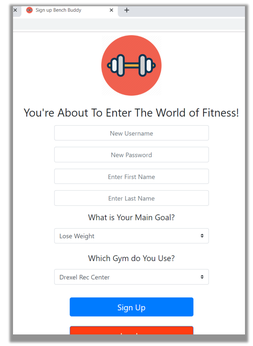
The Information flow of the application is described in the diagram below.



Workload and Task Management

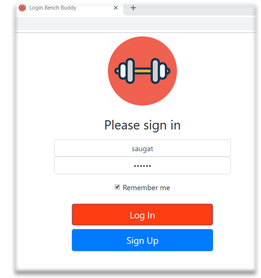
Tasks	Names	Workload	Total
App Design and Planning	Everyone	25 % Each	100%
UX Development	Saugat Dawadi	50%	100%
	Mohammad Adib	50%	
Back End Development	Ridwan Olawin	50%	100%
	Ben Arinze	50%	
Database Management	Everyone	25 % Each	100%
UX Development Tests	Ridwan Olawin	50%	100%
	Ben Arinze	50%	
Back End Functionality Testing	Saugat Dawadi	50%	100%
	Mohammad Adib	50%	
Document Preparation	Everyone	25% Each	100%
Presentation	Everyone	25% Each	100%

Screenshots from the Application

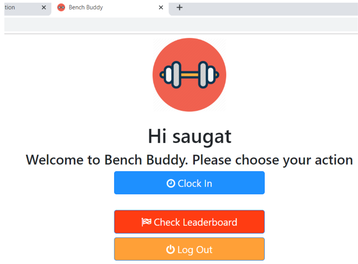


Screenshot 1: Sign up page of Bench Buddy

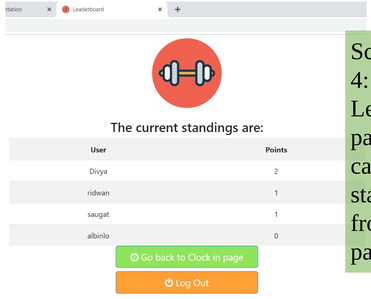
Screenshots continued



Screenshot 2: Sign in page of Bench Buddy



Screenshot 3: Clock in page of Bench Buddy. You can clock into the gym from here



Screenshot 4: Leaderboard page. You can view the standings from this page