# *CSC 667-01 Final Project*

# *Spring 2019*

# ***Diary Hub***

# *Team: GG*

**Heewon Han**

**Junjie Lu**

**Rene Elias**

**Jay Sunga**

**Daryl Ortiz**

Final Project Repository: https://github.com/SFSU-CSC-667-867/final-gg

Database URL: mongodb://localhost:27017

Server: 13.52.75.229

### *How the project was completed*

We started by creating the project layout, proposal and architecture. We created the purpose of the app which was to have a diary where you can keep track of personal information such as weight, age, height and body measurements. It also would keep track of daily ingestion, recipes for food, work outs and use a check-in page to keep track of personal progress.

We also decided to divide the work where each member would work on a page with both front-end and back-ends. Every member did their part while others did more.

### *What technologies were used*

All pages have express get/post endpoints. They all are using react to navigate to any user registered page through routes. Every page followed a theme with the same color scheme, font, buttons, icons and layout. The app is also mobile friendly.

Our app uses mongodb for storage to store user data and retrieve it later. For example, when a user enters information on their workouts or check-ins, they would be able to log out and log back in and access their saved data. Axios was used for all pages to get user details, state and post to the data base.

Redis was used to display a counter on home page to show how many users have registered with the app. The back-end components were dockerized to add consistency and standardization along with redux. Reverse proxy was handled with NGNIX to handle ports.

From react, we used react-components, router and UI to use the navigational components as well as icons, buttons and other user interface modules. Containers were used to make app mobile friendly.

### *Hardships Encountered*

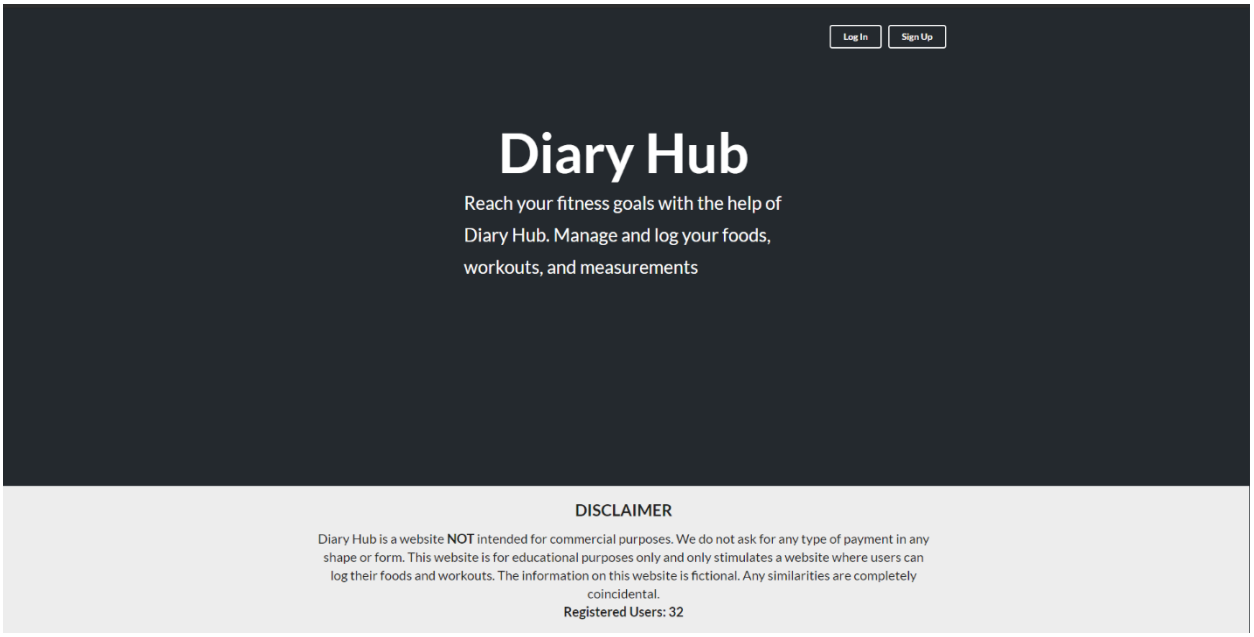
Communications between some team members was hard. Since there were 5 people in our group, we all were either working, working on other classes or busy with personal issues. We had our slack channel to talk between all members and keep progress to help fix that.

Some components for the app were not functioning correctly, there were NGNIX, docker, server-side issues and other small things like displaying correctly on the mobile screen or issues with capturing and posting data.

Most members met up in the CS lab to fix all of these issues and in the end were successful into making the app work.

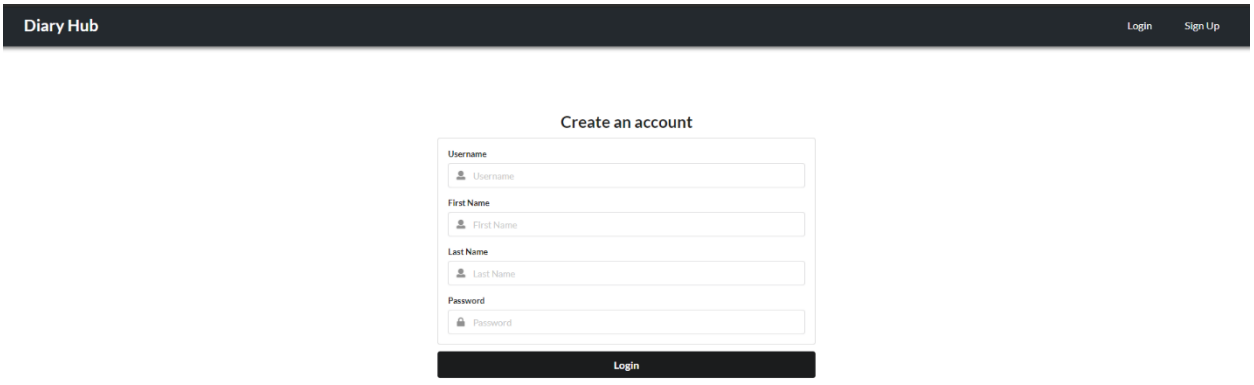
### *Diary Hub Home Page*

Below is the homepage of the app where you can either log in or sign up if you haven't registered an account yet. Assuming a user haven't made an account, they would click "Sign up".



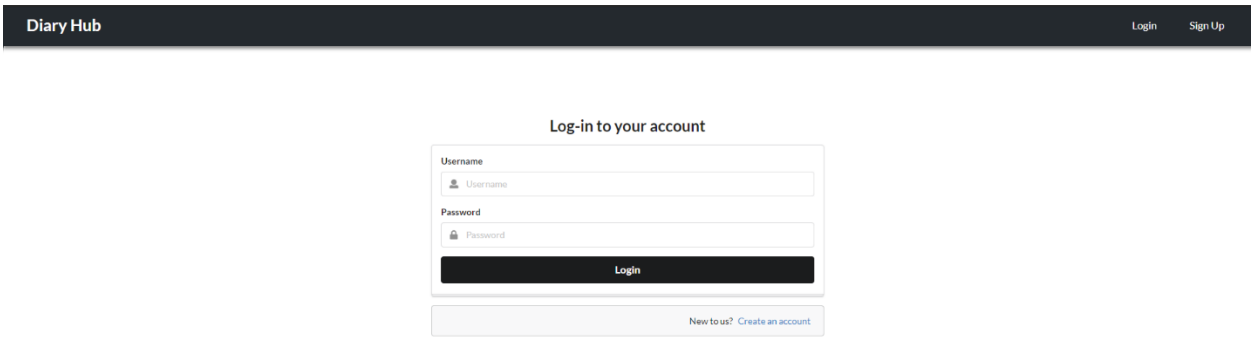

### *Create an Account Page*

Users will be able to input their username, first and last name as well as password. They can input up to a maximum of 20 characters per field. Once registration is completed, the user may now log in.



### *Login Page*

After the user has created an account, the account is then stored and can be retrieved once the user puts in their user name and password. Once authenticated they will be able to access all the app features. Axios was used to authenticate user information.

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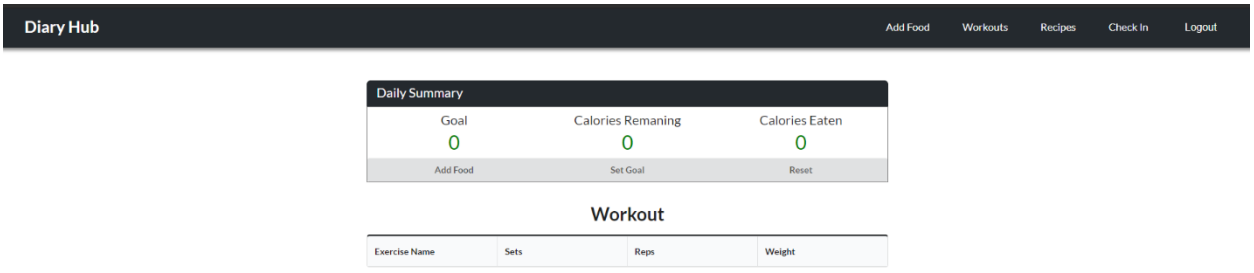
### *User Home Screen*

The first screen the user will be greeted with is the home screen that will display the default daily summary. It is mandatory that the user first enters a goal before starting the app. The fields are by default set to 0 and can be updated once work outs and consumed food have been added.

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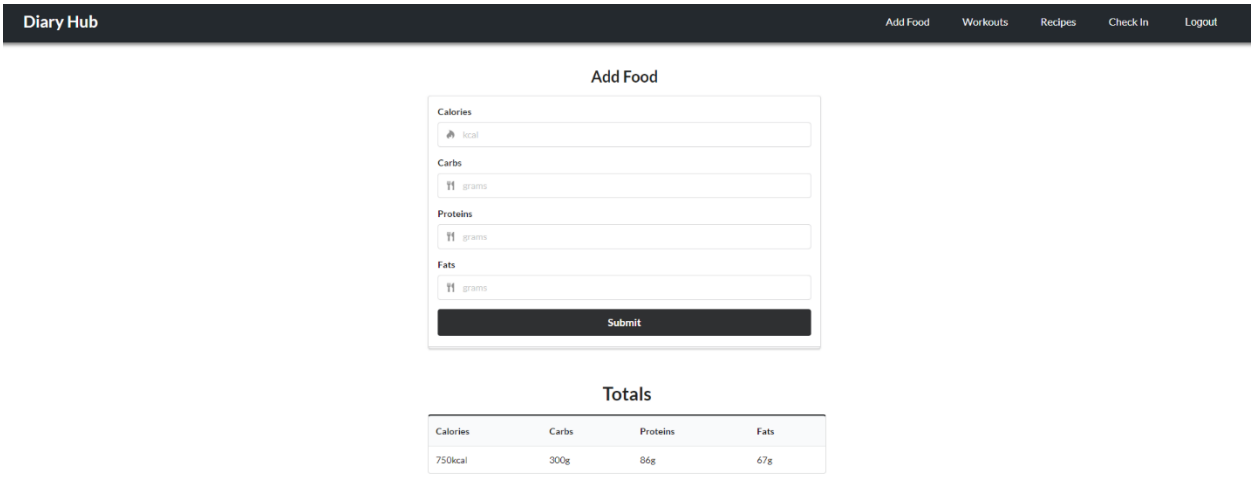
### *Add Food Page*

A user will be able to add what food they consumed and add the details of the consumption. Once submitted, displayed below will be a summary of consumption.

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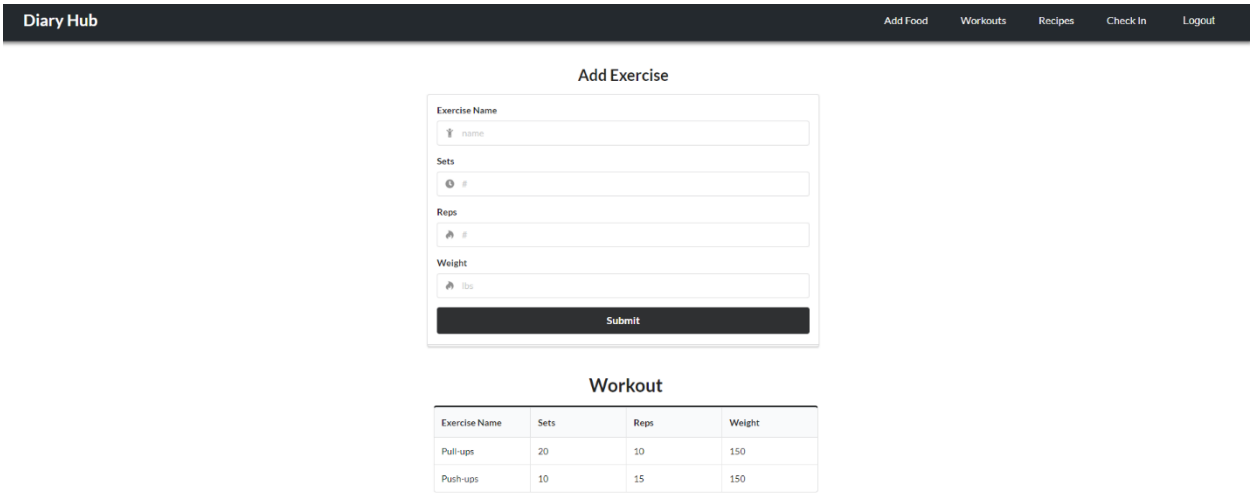
### *Add Exercise Page*

Adding an exercise is also fits in with the theme of Diary Hub. It will record general workouts you have done and some personal records to keep you update on your progress. Displayed below is a summary of what work outs you have completed.

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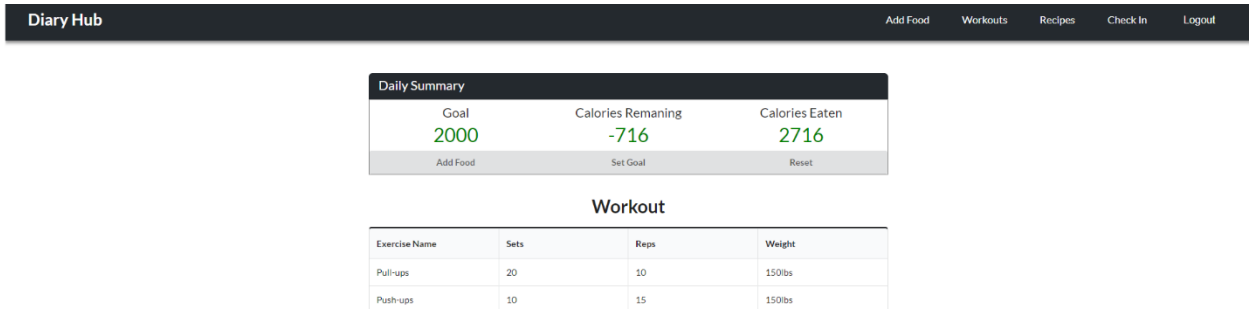
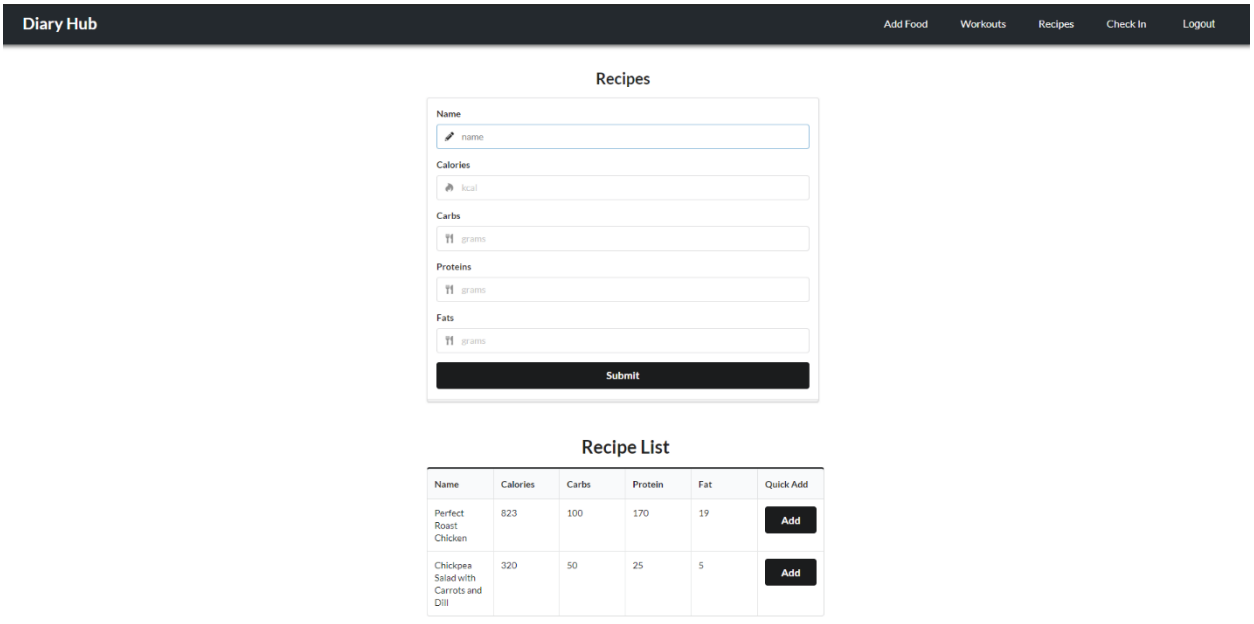
### *Post Diary Summary*

After a user fills out the food and work out page, the home screen will now display the number of calories that have been consumed and what work outs have been completed.



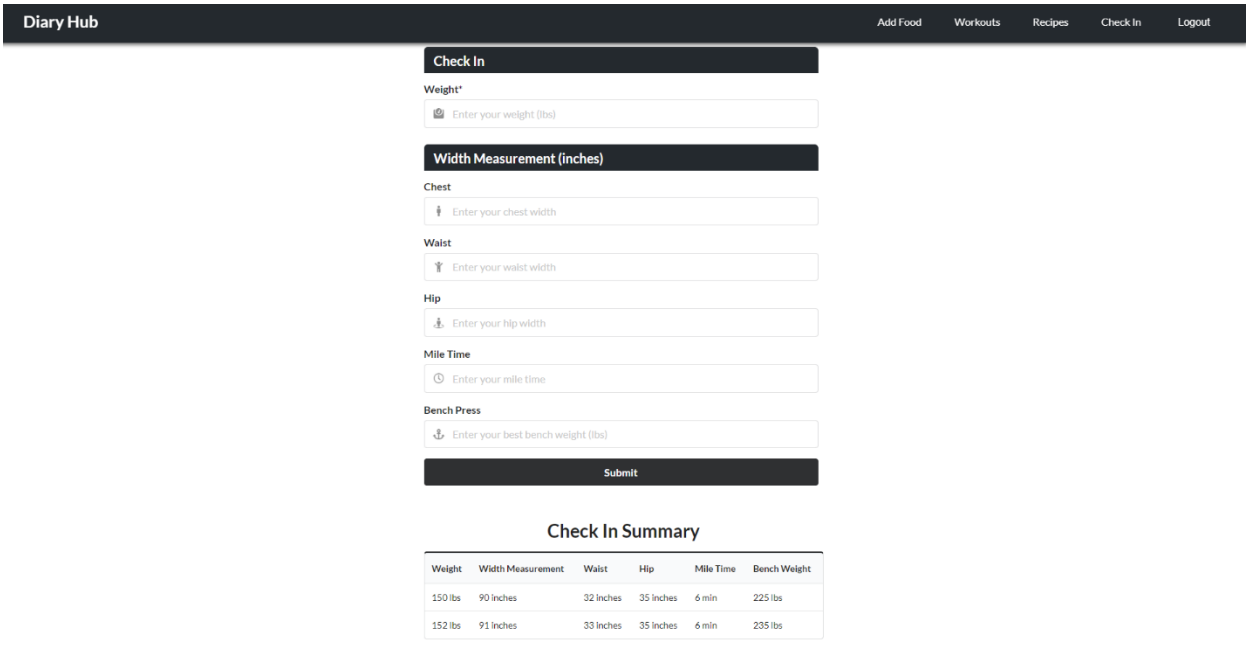

### *Recipes Page*

The next page will record what recipes of food the user wants. It records the name of the food, calories, cards, proteins and fats. Below will be a summary once again of what was recorded.



### *Check-In Page*

The final page will be the check in page where the user can record body progress. The number will show what progress has been made from the food and workout.




### *Examples of mobile friendly app*