

CSC 667-01 Final Project
Spring 2019

Diary Hub

Team: GG

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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

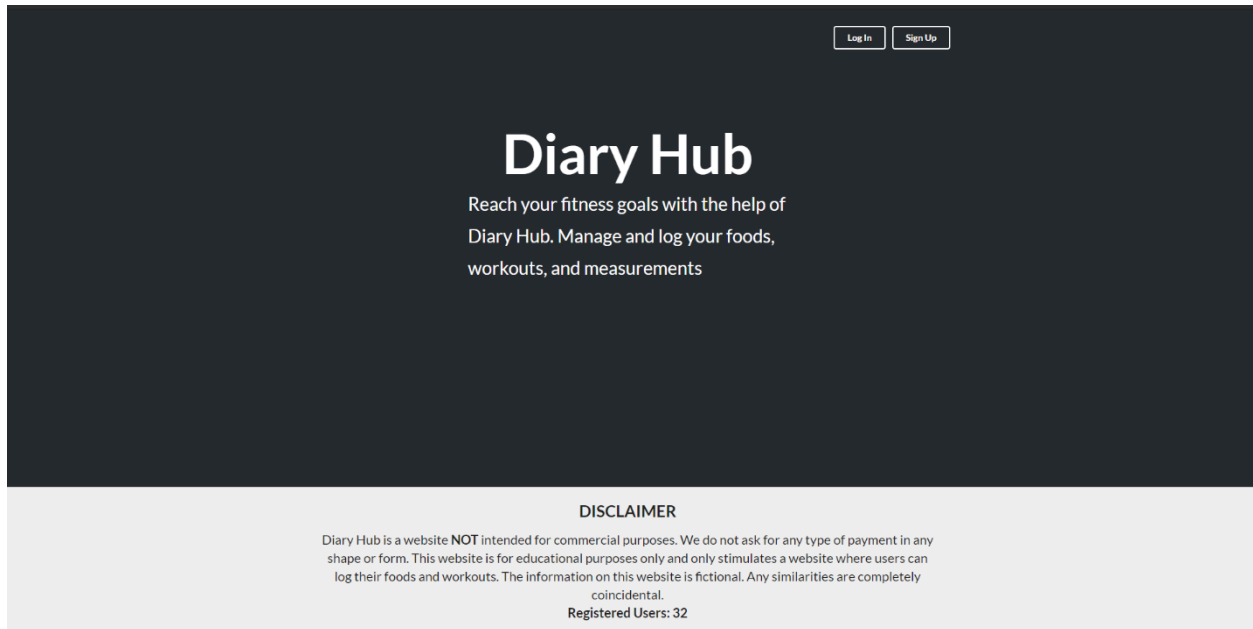
Communications between some team members was hard. Since there were 5 people in our group, we all were either working, working on other classes or busy with personal issues. We had our slack channel to talk between all members and keep progress to help fix that.

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".



The image shows a dark-themed homepage for 'Diary Hub'. At the top right, there are two buttons: 'Log In' and 'Sign Up'. The main heading 'Diary Hub' is centered in a large, white, sans-serif font. Below it, a paragraph of text reads: 'Reach your fitness goals with the help of Diary Hub. Manage and log your foods, workouts, and measurements'. At the bottom, there is a light gray section containing a 'DISCLAIMER' and the text 'Registered Users: 32'.

Log In **Sign Up**

Diary Hub

Reach your fitness goals with the help of
Diary Hub. Manage and log your foods,
workouts, and measurements

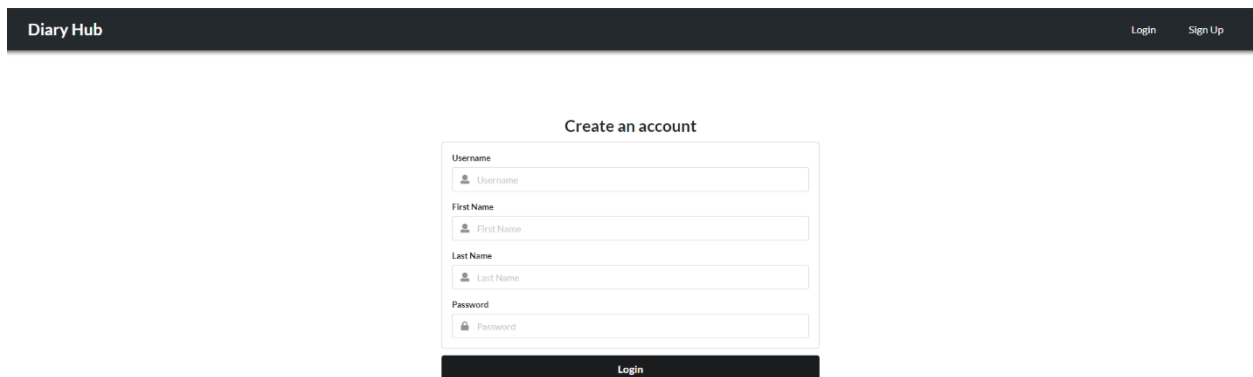
DISCLAIMER

Diary Hub is a website NOT intended for commercial purposes. We do not ask for any type of payment in any shape or form. This website is for educational purposes only and only stimulates a website where users can log their foods and workouts. The information on this website is fictional. Any similarities are completely coincidental.

Registered Users: 32

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.



The image shows a 'Create an account' form on a dark background. The form has a title 'Create an account' and four input fields: 'Username', 'First Name', 'Last Name', and 'Password'. Each field has a small icon (a person for names, a lock for password) and placeholder text. Below the form is a black button labeled 'Login'.

Diary Hub **Login** **Sign Up**

Create an account

Username
Username

First Name
First Name

Last Name
Last Name

Password
Password

Login

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.

Diary Hub

LoginSign Up

Log-in to your account

Username

Username

Password

Password

Login

New to us? [Create an account](#)

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.

Diary Hub

Add FoodWorkoutsRecipesCheck InLogout

Daily Summary

Goal	Calories Remaning	Calories Eaten
0	0	0
Add Food	Set Goal	Reset

Workout

Exercise Name	Sets	Reps	Weight
---------------	------	------	--------

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.

Diary Hub

Add FoodWorkoutsRecipesCheck InLogout

Add Food

Calories

kcal

Carbs

grams

Proteins

grams

Fats

grams

Submit

Totals

Calories	Carbs	Proteins	Fats
750kcal	300g	86g	67g

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.

Diary Hub

Add FoodWorkoutsRecipesCheck InLogout

Add Exercise

Exercise Name

name

Sets

#

Reps

#

Weight

lbs

Submit

Workout

Exercise Name	Sets	Reps	Weight
Pull-ups	20	10	150
Push-ups	10	15	150

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.

Diary Hub

Add FoodWorkoutsRecipesCheck InLogout

Daily Summary

Goal	Calories Remaning	Calories Eaten
2000	-716	2716
Add Food	Set Goal	Reset

Workout

Exercise Name	Sets	Reps	Weight
Pull-ups	20	10	150lbs
Push-ups	10	15	150lbs

Recipes Page

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

Diary Hub

Add FoodWorkoutsRecipesCheck InLogout

Recipes

Name

name

Calories

kcal

Carbs

grams

Proteins

grams

Fats

grams

Submit

Recipe List

Name	Calories	Carbs	Protein	Fat	Quick Add
Perfect Roast Chicken	823	100	170	19	<div>Add</div>
Chickpea Salad with Carrots and Dill	320	50	25	5	<div>Add</div>

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.

Diary Hub

Add FoodWorkoutsRecipesCheck InLogout

Check In

Weight*

📏

Enter your weight (lbs)

Width Measurement (inches)

Chest

📏

Enter your chest width

Waist

📏

Enter your waist width

Hip

📏

Enter your hip width

Mile Time

🕒

Enter your mile time

Bench Press

📏

Enter your best bench weight (lbs)

Submit

Check In Summary

Weight	Width Measurement	Waist	Hip	Mile Time	Bench Weight
150 lbs	90 inches	32 inches	35 inches	6 min	225 lbs
152 lbs	91 inches	33 inches	35 inches	6 min	235 lbs

Examples of mobile friendly app

