Title : BudgetBites

Team Members :

Member Name	*Github Username*
Johnny Bui	j0hnnyBui
Donny Chen	doch4472
Ima Mervin	ima-mervin
Alex Mueller	almu6129
Vanessa Senethong	vsenethong
Owen Wright	owwnwrrght

Project Description :

BudgetBites is a user-friendly website designed to cater to the needs of broke college students who are short on time and ingredients but still crave delicious and affordable meals. Unlike traditional recipe platforms, BudgetBites offers a unique approach by generating recipes based on the ingredients, time constraints, and dietary preferences inputted by the user. The website will have two main functionalities: searching for recipes and creating new ones.

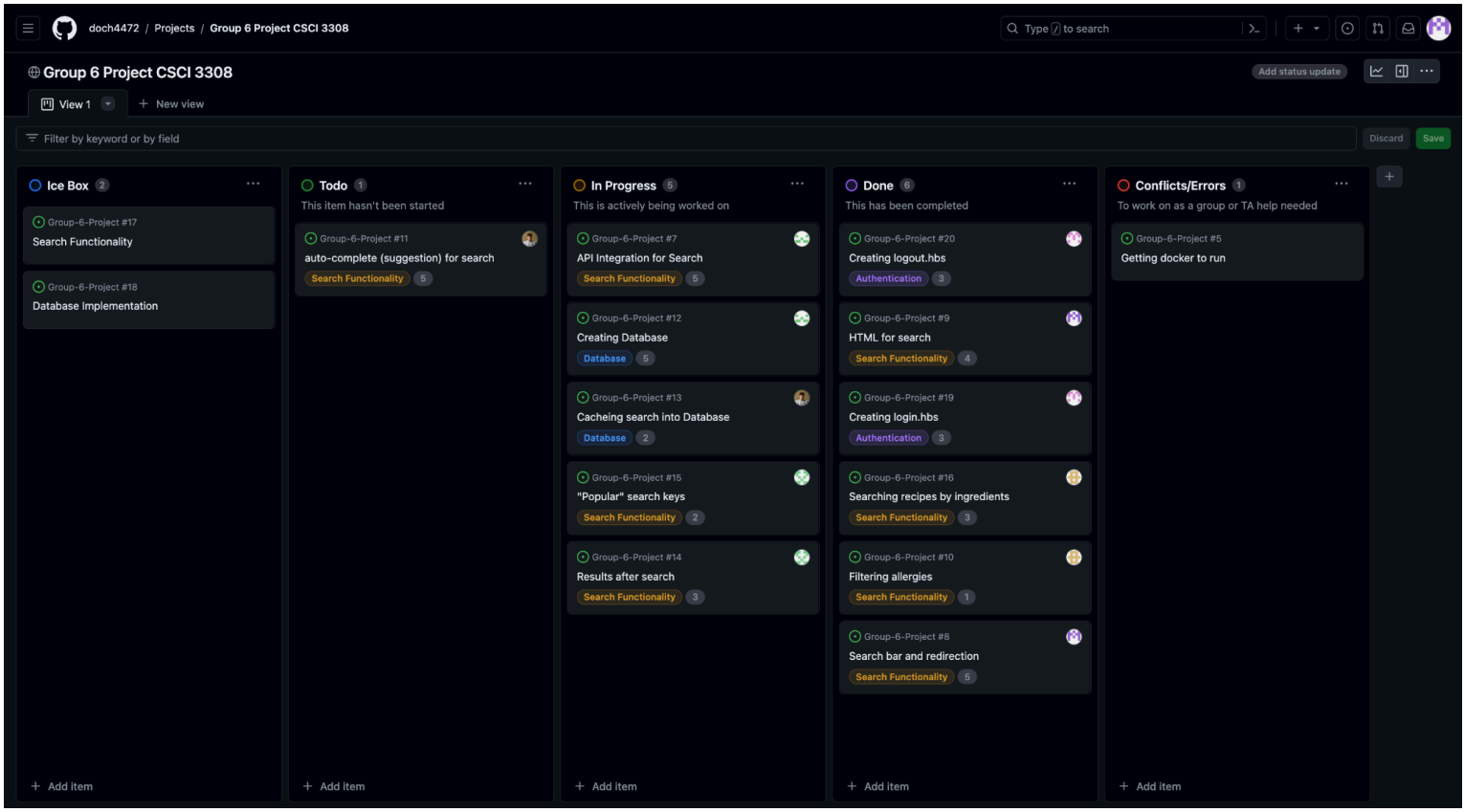
For users searching for recipes, BudgetBites will utilize a database of pre-made recipes as well as allow users to filter and search for recipes based on available ingredients, cooking time, and dietary preferences. Users can also save their favorite recipes for future reference.

For users interested in creating their own recipes, BudgetBites provides a user-friendly interface where users can input the ingredients they have on hand and receive customized recipe suggestions tailored to their available resources.

By providing a comprehensive solution to the common struggles faced by college students, BudgetBites aims to empower users to prepare easy, quick, and budget-friendly meals without compromising on taste or nutrition.

Project Tracker - Github Project Board :

Project Tracker Link : https://github.com/users/doch4472/projects/2/views/1



Video Link : https://youtu.be/t4K5Pf_Gfyk

Version Control :

Git Repo Link: https://github.com/doch4472/Group-6-Project

Contributions :

Johnny Bui :

I worked as part of the back-end of the project. I worked on the “create.sql” file, where it consists of tables (such as *user, recipe,* and *user_to_recipe*) and also worked on the queries that utilizes those datas. I have also worked on the *yourRecipe.hbs* file with Ima by creating a

database that allows users to display their recipe within their profile using the tables mentioned above. I have been working on configuring the *yourRecipes* page and rendering it within the *index.json* file that includes those functionalities that can allow users to interact with it and import their own recipes within the website as they wish.

Donny Chen :

I played a key role in our project's foundation by creating the logo and designing a functional navigation bar, enabling easy access to features like *About Us*, *Search*, *Profile*, and other pages. I ensured the program's functionality by working on the index.js and organizing styles into a separate *style.css* file for clarity. Focusing on user experience, I improved the register and login pages to be more user-friendly. Additionally, I contributed by incorporating an *About Us* page, enriching our project's transparency and providing users with valuable context. My contributions aimed to enhance the navigation, enhance aesthetics, and optimize usability, making a more engaging and accessible experience possible for the users of our project.

Ima Mervin :

I contributed as a front-end developer in our group project. I started off by working closely with Vanessa on structuring the login and logout pages. I tackled the task of integrating a reviews feature, which required adjustments due to conflicts with the API. Originally, we planned reviews for individual recipes under them, but we redirected them to be added under profile page. We decided not to implement the page as we had all met the requirements for the project. Throughout the project, I addressed bugs and applied basic styling as needed. I also took charge of documenting meetings and release notes. Currently, I'm focused on developing the *yourRecipes* page to enhance user interaction, collaborating with Johnny on the database aspect and Vanessa on profile customization as well as finalizing the slide deck for the group presentation.

Alex Mueller :

During this project, I worked to implement a testing framework into the code. This helped the team identify errors in their code before implementation with the release code and validated the functionality of the application. I also helped to implement the functionality of the profile

feature of the page in conjunction with Vanessa. I applied various skills learned in the class to implement/fix bugs in the *login* and *register* routes. From this point I worked on user experience features in the website including how the navigation is routed using validation of the user session. A bunch of other small issues have come up that I have been able to address during the project that aren't worth listing. I designed the user acceptance test plan and am currently in the process of carrying out that plan with a set of potential users of our application.

Vanessa Senethong :

I worked as a full stack developer for this group project. The first task I had at hand was the initial configuration. I added to the necessary files like *package.json* and *docker-compose.yaml* file to get the website running. My next task was to initially start with the login and logout pages for functionality. I provided both pages with basic formatting to make the implementation show easier. I was having some difficulty with retaining the users session while navigating through the different pages of the websites but was able to overcome this with the help of the others. I had also been working through implementing different API routes as I went to test navigating between the different *.hbs* files. I then also worked on the profile page's styling and formatting.

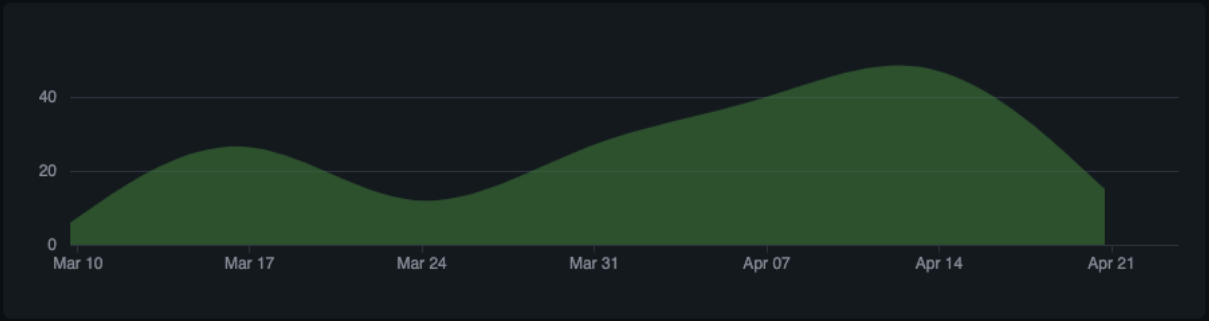
Owen Wright :

I worked as a full stack developer for this project. The main aspect of this project that I worked on was dealing with the *Spoonacular API* and integrating it with the search page. This was a big and fundamental part of the project, so it is really all that I did. I first browsed for available APIs that would work with our project description. Once I found one, I ran a few tests using postman to see how it worked. I then implemented the *API* endpoints with our project, both dealing with the backend logic and the frontend *HTML* and *CSS* for the search page. Over the course of the file, I have made improvements to the functionality of the search page.

Mar 10, 2024 – Apr 24, 2024

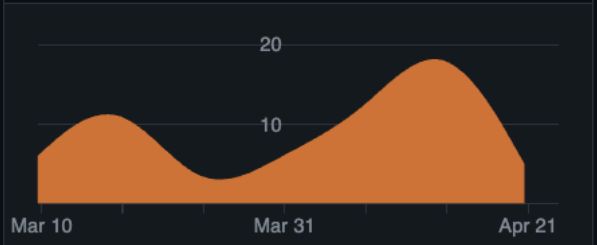
Contributions: Commits

Contributions to main, excluding merge commits



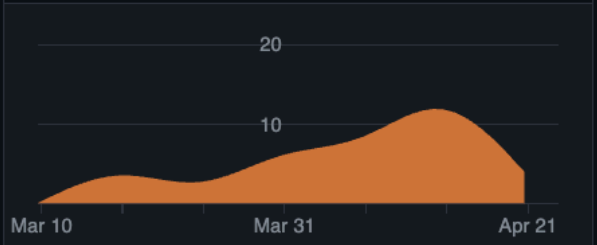
doch4472 #1

66 commits 4,237 ++ 3,147 --



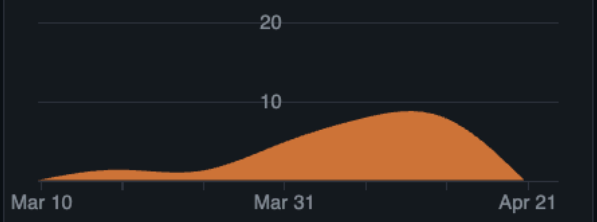
ima-mervin #2

39 commits 997 ++ 359 --



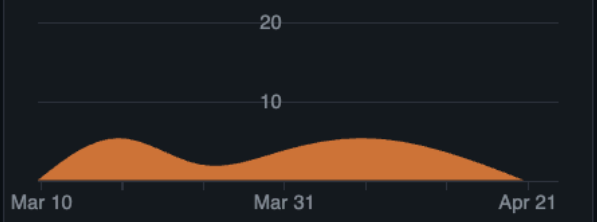
j0hnnyBui #3

25 commits 526 ++ 374 --



vsenethong #4

22 commits 3,511 ++ 483 --

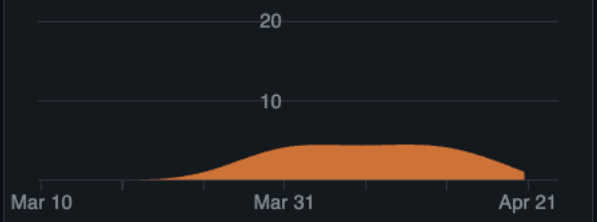


owwnwrrght #5

18 commits 2,314 ++ 1,212 --

almu6129 #6

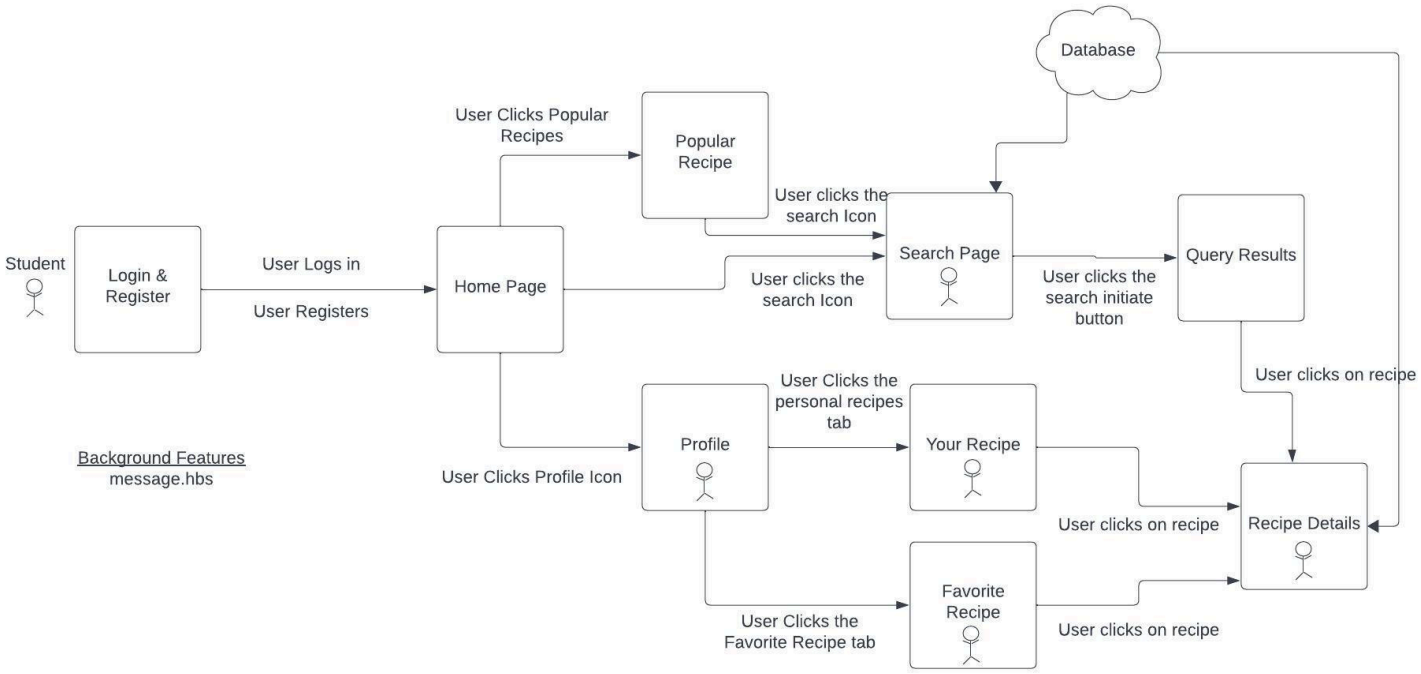
15 commits 2,844 ++ 216 --



Use Case Diagram :

Link :

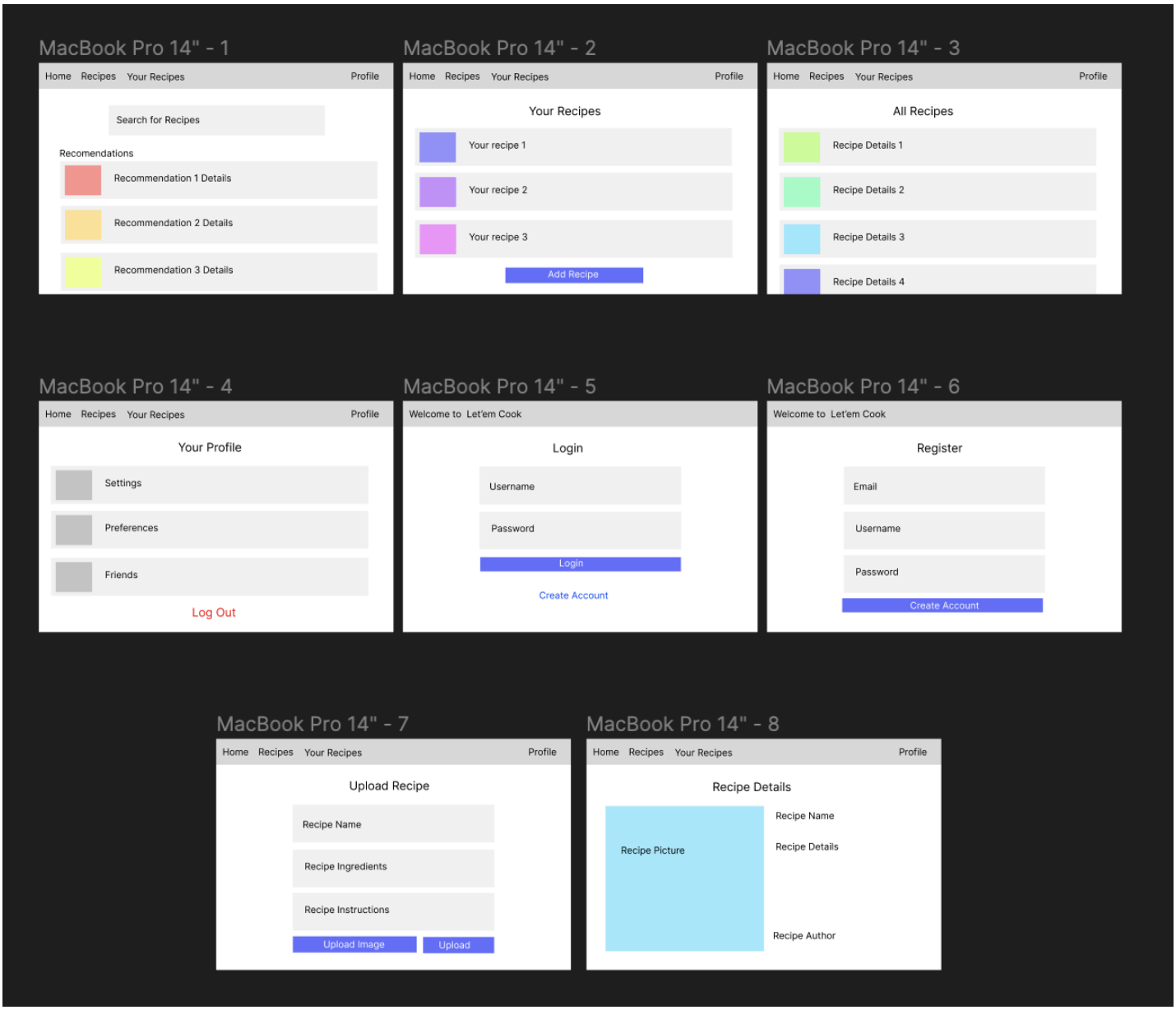
https://lucid.app/lucidchart/187ef174-8c51-4cf6-8471-92b23cea1c35/edit?viewport_loc=591%2C221%2C1298%2C738%2C0_0&invitationId=inv_41dab048-c0d4-46ee-b828-cb1457fd3b0b



Wireframes :

Link:

https://www.figma.com/proto/h0piMWiVNmGnt4iHhTIhfL/Untitled?type=design&node-id=1-151&t=dEvNqWptV3nX7g24-1&scaling=scale-down&page-id=0%3A1&starting-point-node-id=1%3A151&mode=design



Test Results:

Testing was done with a couple of users that we determined to be inside of the set of potential users. Tests were run on a stable version of the application on one of the developer's local environments. We were able to conduct each test in person in a controlled environment.

Test cases:

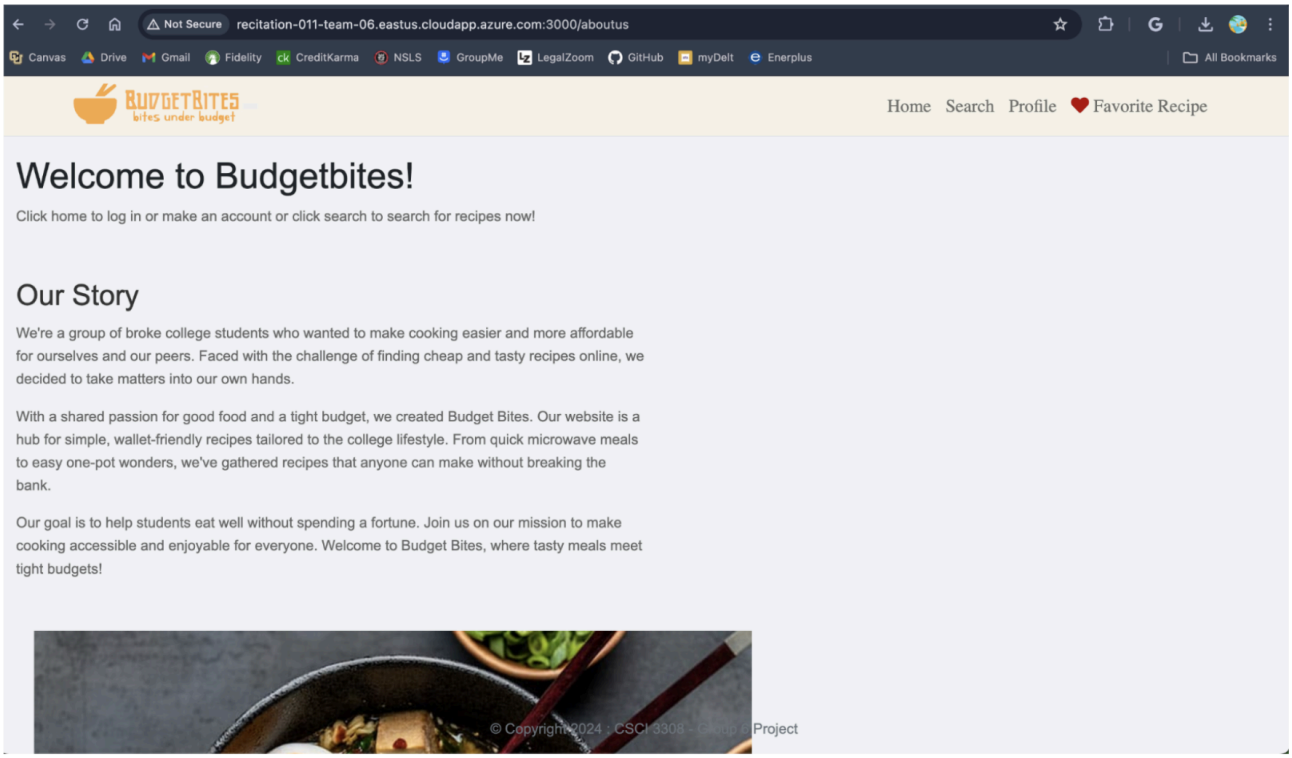
- Subject registers as a user and logs onto the website: The test subject is asked to register themselves as a user on the website and to log onto the system.
- Subject modifies their user profile: The test subject is asked to modify their profile to add an email address and user bio.
- Subject searches for a recipe they wish to make: The test subject is asked to find a recipe for their favorite food.
- Subject adds their own recipe to their profile: The test subject is asked to add their own recipe to the website.

Results:

- Test Subject 1 (college student):
    - User liked the confirmation of password and the view button.
    - User said they had no issues with the log on page.
    - User wished they could modify the username.
    - User liked the filtering.
    - User wished that they could add instructions in a more formatted manner.
    - User was able to find their favorite food and didn't have any trouble accomplishing this.
- Test Subject 2 (older individual that cooks):
    - User was confused about the location of the log in page until they navigated away from the home page.
    - User was happy about the redirection from registration to log-in.
    - User found their favorite food with relative ease.
    - User was able to modify their profile with no issues.
    - User wished there was auto-complete for the email update form.

Deployment:

http://recitation-011-team-06.eastus.cloudapp.azure.com:3000/aboutus



For the deployment, we used Microsoft Azure, as followed in Lab 13. This service was used to provide a cloud computing platform for hosting the website, enabling scalability, reliability, and accessibility, as well as offering a range of services such as virtual machines, databases, storage solutions, and networking capabilities to support the website's infrastructure and operations. Right now, the link is not live, as we only have a certain number of free hosting hours. To access the application, clone the github repository, and then run ‘docker compose up’ in the terminal. This will run the website on localhost:3000