Team: Calculatrons
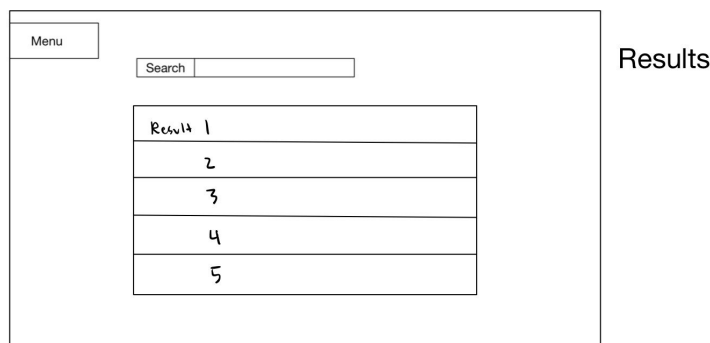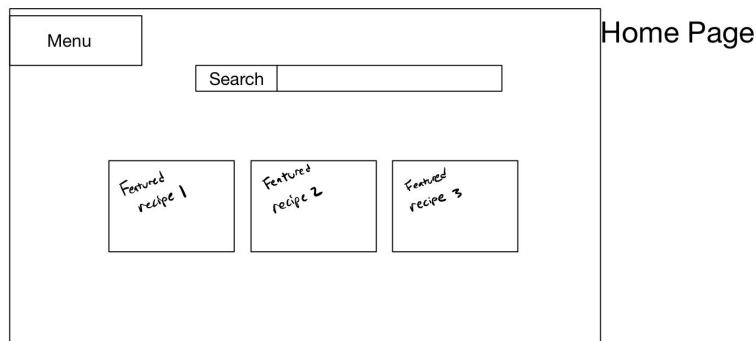
Features (user stories) to Implement in Next Sprint:

- **Food Data:**
  (PP_recipes.csv, PP_users.csv, RAW_interactions.csv, RAW_recipes.csv, ingr_map.pkl, interactions_test.csv, interactions_train.csv, interactions_validation.csv)

  - **Feature 1.** As a user I want to find a specific recipe that I want, using a search function.
  - **Feature 2.** As a user I want recipes that are popular, or highest rated shown to me as I enter, so as to hopefully find one of interest.
  - **Feature 3.** As a user, I want the information for the recipe given, such as calories, etc.
  - **Feature 4.** As a user, I want a rating system that takes into account what people have thought of the recipes that they have tried.
  - **Feature 5.** As a user, I want the ability to read comments on how the recipe came out, or how it might be made better by other users who would like to comment on it.
  - **Feature 6.** As a user, I want to be able to save certain recipes for later.

GUI Layout Design:
- Pull-down menu bar (to make it easier to visit each page)
- Search bar at the top of the page to allow easier navigation
- Front Page → displays highest reviewed recipe
- Searched Results: List of recipes based on relevance

Home Page

Results

TEST CASES
- **Feature 1 Test Cases:** As a user I want to find a specific recipe that I want, using a search function.
  - **Test case 1**: as a user, I should be able to easily locate a button that indicates searching and have the ability to type in an input.
    - Correct Output: The website displays a search button with either the label, or a symbol that can be used to type in and search a keyword or words.
  - **Test case 2**: as a user, I enter the information and search to find important information relating to the words typed.
    - Correct Output: The website accepts the input entered by the user, and then displays the proper recipes that are in the .csv file used.
- **Feature 2 Test Cases:** As a user I want recipes that are popular, or highest rated shown to me as I enter, so as to hopefully find one of interest.
  - **Test Case 1:** As a user, I want my default search results to show the highest rated recipes first.
    - Correct Output: The website displays recipes with ratings in descending order by default.

- **Feature 3 Test Cases:** As a user, I want the information for the recipe given, such as calories, etc.
  - **Test Case 1:** As a user, I should be able to easily see all the nutritional information listed in each recipe with the corresponding values per serving
    - Correct Output: I should see an organized table with one column that lists each category of nutritional information (protein, carbohydrates, calories, etc.) and the second column lists the corresponding amount for each category.
- **Feature 4 Test Cases:** As a user, I want a rating system that takes into account what people have thought of the recipes that they have tried.
  - **Test Case 1**: As a user, I want to be able to see a number/rating/star highlight based on what people have thought of the recipe.
    - Correct Output: In each recipe image, the colored star ratings should be seen every time each recipe is seen in the search results and after clicking on the selected recipe when the user wants to get more information.
- **Feature 5 Test Cases:** As a user, I want the ability to read comments on how the recipe came out, or how it might be made better by other users who would like to comment on it.
  - **Test Case 1:** As a user, I should be able to find a list of comments below the description of each recipe.
    - Correct Output: A list of comments for each recipe should be visible when I scroll down past the listed recipe. The list contains the commenters' names, their message, and any other identifying factors.
  - **Test Case 2:** As a user, I should be able to add a comment of my own for a recipe that I feel a certain way about.
    - Correct Output: After pressing the "comment" button adjacent to the title and image of the selected recipe, a message box opens up. I type in my thoughts on the recipe and press the "post" button adjacent to it. The message is now inputted to this recipe's list of comments and appears alongside the rest.
- **Feature 6 Test Cases:** As a user, I want to be able to save certain recipes for later.
  - **Test Case 1:** As a user, I press the "save" button next to the image or title of the selected recipe, which should save the recipe.

- ■ <u>Correct Output</u>: The recipe's id is downloaded and available for use locally.

COMPLETED:
- Created a local client/server application that sends requests to the server and returns a message. (finished by Abel Theodros)
- Created a basic README.md file on Github. (finished by Michelle Dozal)
- Created an overall project proposal that lists our potential features and objectives of our project/application (finished by Abel Theodros, Michelle Dozal, Kinjal Mugatwala, Terry Jung, and Steven Joseph)

TO DO LIST FOR THE NEXT SPRINT:
- Search operation for 6 different categories in the data
    - Recipe id, ingredient id, cooking time, number of steps, recipe name, rating value
- Front-end search bar using HTML and CSS
- Back-end connecting search bar to CSV data
- Back-end program to overwrite on the existing CSV
- Acceptance criteria: The method successfully writes on an existing csv with the new values.
- Figure out how to organize and display the search results (figure out which GUI elements will be involved)