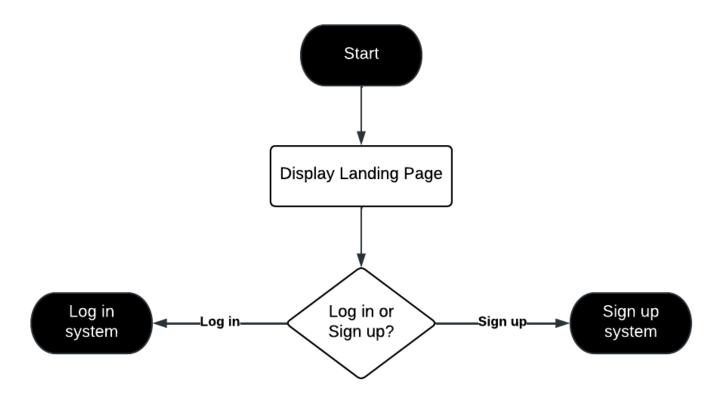
Algorithmic Flowcharts:

Figure 1 - Landing Page



This flowchart is a simple illustration of how the landing page will work. The purpose of the landing page is to direct you to the log in or sign up systems, which are both accessed through buttons.

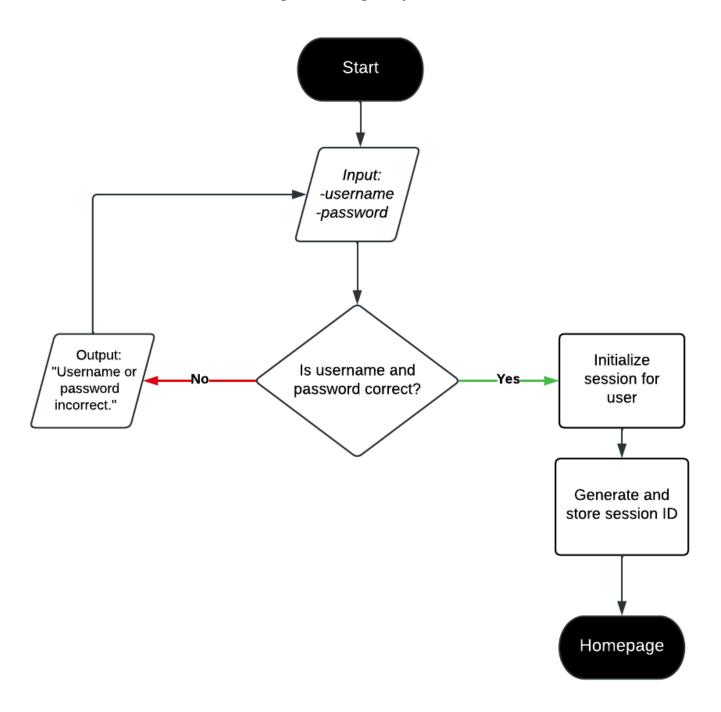


Figure 2 - Log in System

This flowchart is a simple illustration of the log in system and what happens when you interact with the login page.

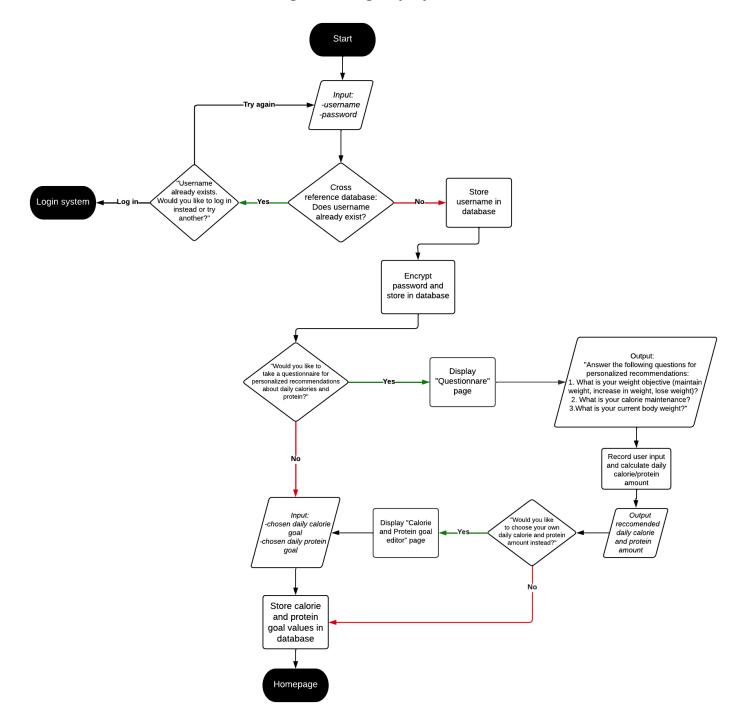


Figure 3 - Sign up System

This flowchart shows how the sign up system will work. It firstly has user authentication and cross references the database to check if a username exists. If it does not exist and password/email/username requirements are met, a new account is created and it follows the process as outlined in the flowchart.

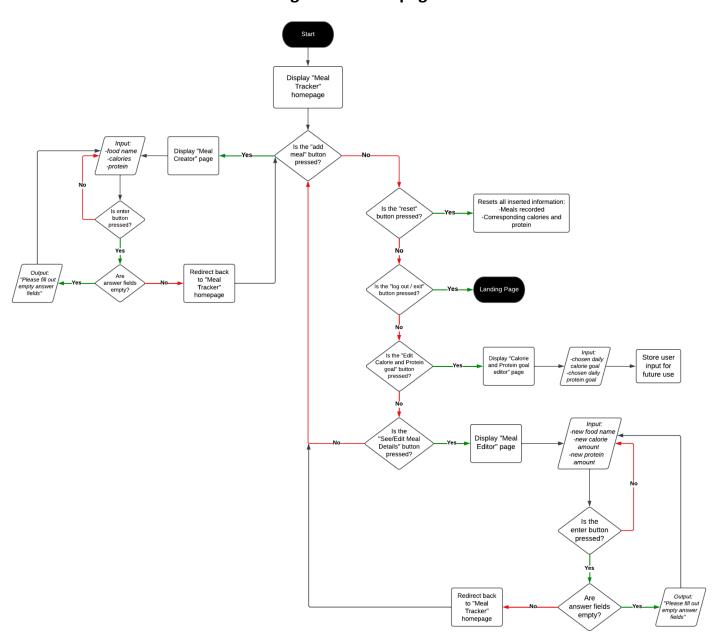
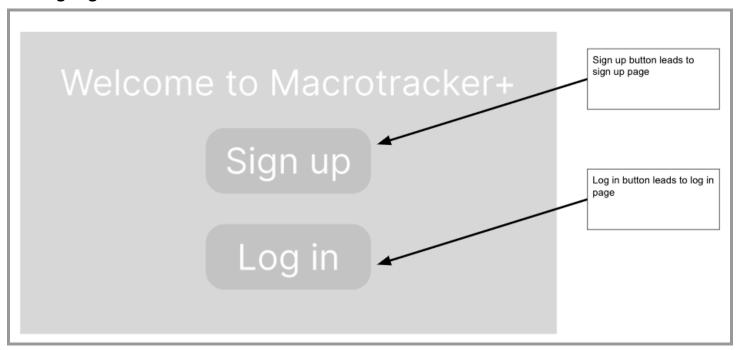


Figure 4 - Homepage

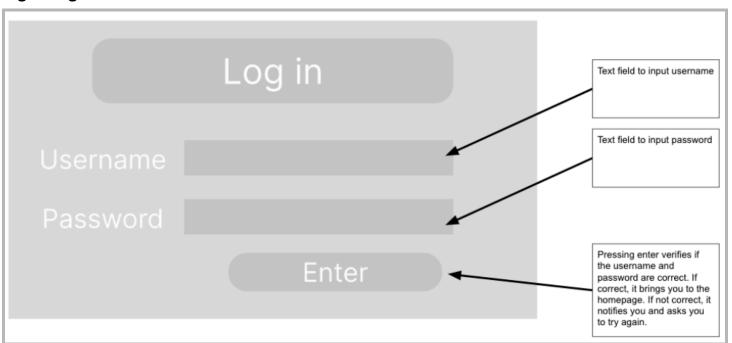
This flowchart shows how the home page system will work. The homepage will display meals, with an add meal button, a reset or delete meal button, a logout button, an edit calorie and protein goal button, a see/edit meals button, and a meal creator button. All of these button lead you to various pages and fields, as outlined in the flowchart.

Graphical Visualizations of Output:

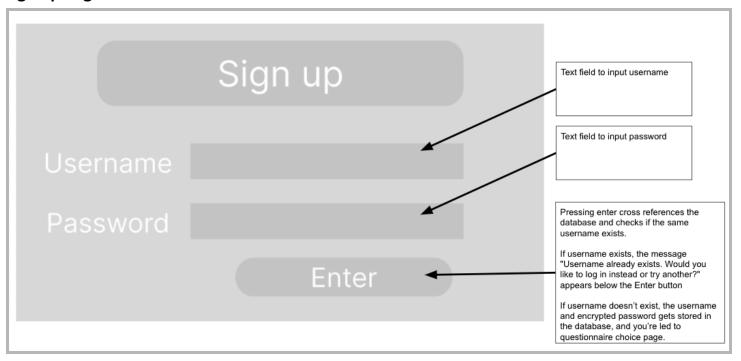
Landing Page



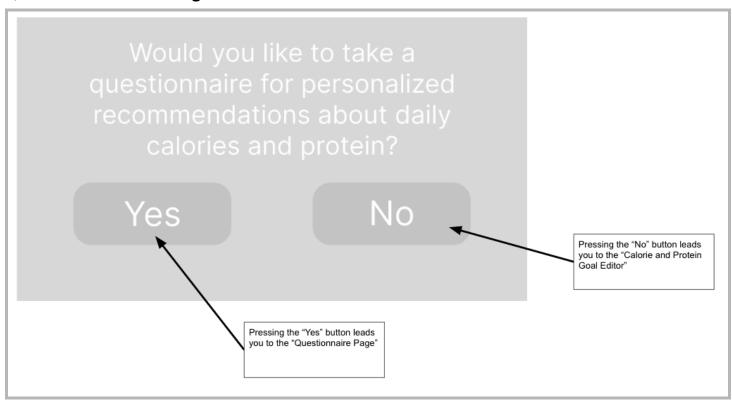
Log in Page



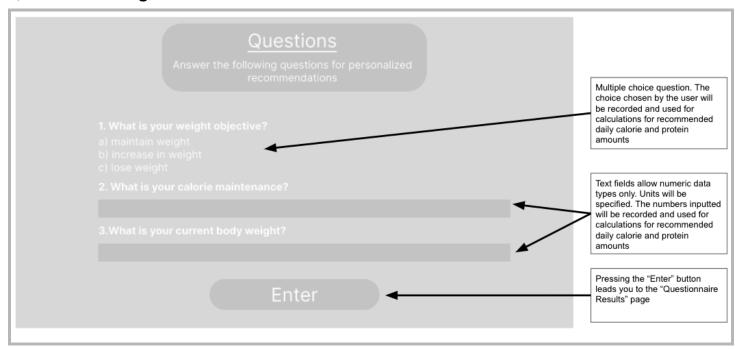
Sign up Page



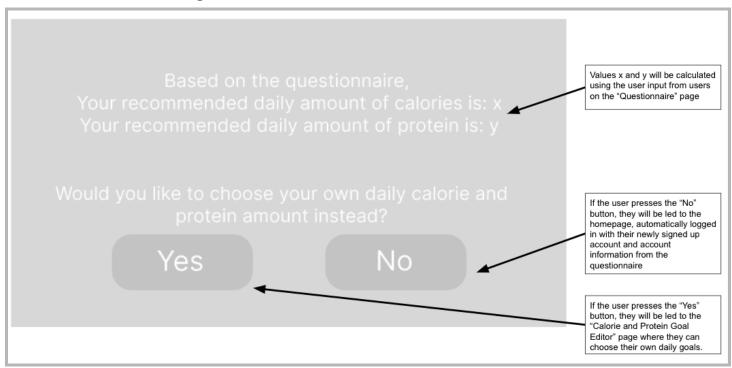
Questionnaire Choice Page



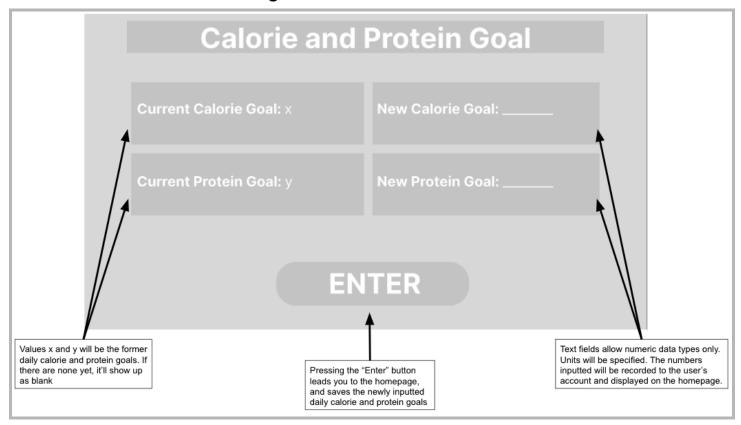
Questionnaire Page



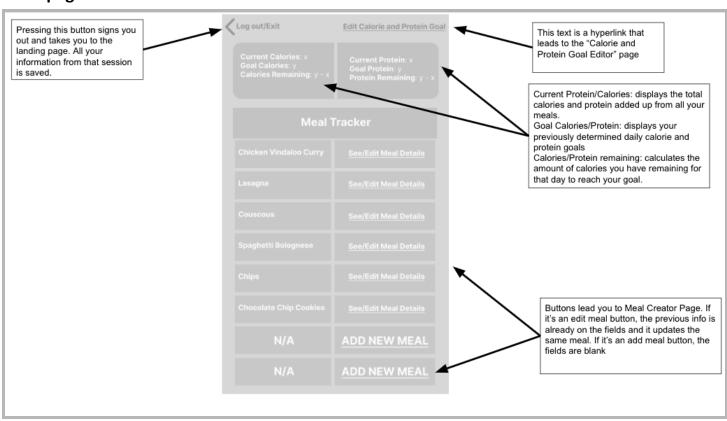
Questionnaire Results Page



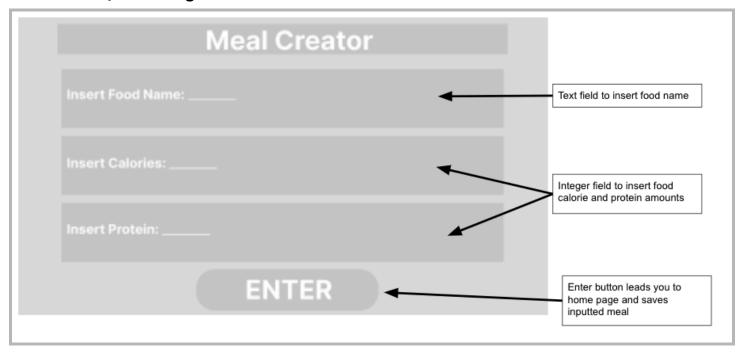
Calorie and Protein Goal Editor Page



Homepage



Meal Creator/Editor Page



Test Plan:

Action to be Tested (Success Criteria)	Test Methods
Authentication: Working Sign up and Login System	Sign up with a certain email and password, then log in with the same info.
Questionnaire: calculations for recommended daily calorie and protein amounts	Take a questionnaire and see results. Alter values (fitness objectives, gender, etc.) and see what results it gives to ensure the results are logical and change based on what you input.
Home Page. Displays meal logs, calorie and protein amounts, and navigation bar	Does the home page display meal logs, calorie and protein amounts, and a navigation bar? Check for each of these features
The user is capable of adding, editing, and deleting meals	Create a meal, then edit, then delete it, showcasing all three features.
Calorie/Protein Total and Remaining: calculations displaying these values	Show how the calculations work by changing the calorie/protein goal numbers and adding new meal logs to change the current calories/protein and consequently calories/protein remaining