Test Case Planning

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Github: https://github.com/Yuplox/CMSC-355-Project.git

1. Use Case 1 – Calorie Tracking

Test Case ID	**TC01 - Add New Food Item**
Test Objective	**To add a food item to the calorie tracker**
Preconditions	The user must be on the calorie tracking page
Test steps	1. The user selects add a food item 2. Input banana for the food name 3. The user inputs 105 for calories 4. The user selects save to add the food item to the list
Input Values	String name = "Banana" Unsigned Int calories = 105
Expected results	A food item should be added to the calorie tracking page that has the name Banana and calorie count of 105.

Test Case ID	**TC02 - Edit Food item**
Test Objective	**To edit food item**
Preconditions	The user must be on the calorie tracking page and they must have at least one food item added
Test steps	1. User selects the food item to edit in the calorie tracking sections 2. User selects the food item name and edits it to be pizza 3. User selects the calories and edits it to 285 4. The user selects save to update the food item
Input Values	String name = "Pizza" Unsigned int calories = 285
Expected results	Banana and 105 calories are now saved as Pizza and 285

Test Case ID	**TC03 - Remove Food Item**
Test Objective	**To remove a food item from the calorie tracker**
Preconditions	The user must be on the calorie tracking page and they must have at least one food item added
Test steps	1. The user selects the Remove Food button in the calorie tracking section 2. The user selects the food item "Pizza"
Input Values	N/A

Expected results	The food item is removed from the list of food items on the calorie tracking page

Test Case ID	**TC04 – Add Invalid Food Item**
Test Objective	To detect any food items that cannot be tracked and logged.
Preconditions	The user must be on the calorie tracking page
Test steps	1. The user selects add food item 2. The user enters nothing to the food name ("") 3. The user enters a negative value into the calories section 4. The user selects save
Input Values	String name = "" (inputs cannot be blank) unsigned int calories = -10 (Calories cannot be negative)
Expected results	The program should not add the food item, and it should display a warning listing all invalid inputs and the correct format they should be in.