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Test Plan for CalTracker+

Feature 1: User Registration

Description: This feature allows users to register for a new account on CalTracker+.

Test Case: Successful Registration

Test Data:

- Username: "DavisCMann"
- Password: "Password123"
- Height: "170"
- Weight: "70"
- Age: "30"
- Activity Level: "Select - 3-4 times a week"
- Weight Goal: "Select - Maintain"

User Activity:

- User navigates to the registration page.
- User fills out the registration form with the provided test data.
- User submits the registration form.

Expected Result:

- User is redirected to the login page, and not thrown an error .

Test Environment:

- Localhost environment for development and unit testing.
- Cloud-based testing environment for user acceptance testing.

Feature 2: User Login

Description: This feature allows registered users to log in to their accounts.

Test Case: Successful Login

Test Data:

- Username: "DavisCMann"
- Password: "Password123"

User Activity:

- User navigates to the login page.
- User enters the username and password provided in the test data.
- User submits the login form.

Expected Result:

- The user is redirected to the home page with their user information displayed.

Test Environment:

- Localhost environment for development and unit testing.
- Cloud-based testing environment for user acceptance testing.

Feature 3: Daily Calorie Tracking

Description: This feature allows users to track their daily calorie intake and expenditure.

Test Case: Add Food Entry

Test Data:

- Food Name: "Apple"
- Serving Size: "1 medium"
- Calories: "95"

User Activity:

- User navigates to the daily calorie tracking page.
- User clicks on the "Track" button.
- User fills out the form with the provided test data.
- User submits the form.

Expected Result:

- Food entry for the specified item is successfully added to the user's log.

Test Environment:

- Localhost environment for initial development and unit testing.
- Cloud-based testing environment for integration and user acceptance testing.

Test Results:

- Test results will be recorded in a test report document, including details of each test case, the actual outcome, and any errors.

User Acceptance Testers:

- All team members responsible for verifying that the application meets user requirements.
- Peers such as the professor and unanimous unbiased tester manager are used to provide feedback on usability and functionality.