

SlugNutrition

Test Plan and Report

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System Test Scenarios

User Story 1:

As a user, I want to set my dietary preferences in the app so that I can receive personalized meal suggestions.

Scenario 1: Setting Dietary Preferences (Pass)

- Launch the Dietary Preferences Form within the app.
- In the "Basic Dietary Preferences" dropdown, select "Vegan".

Expected: The selection is successfully saved, and the user's dietary preference is updated in their profile.

- In the "Religious or Cultural Laws" dropdown, select "Halal".

Expected: The selection is successfully saved alongside the basic dietary preference.

- In the "Allergies" section, check "Peanuts" and "Shellfish".

Expected: The allergies are successfully saved in the user's profile.

- Tap the "Submit" button to save preferences.

Expected: The user receives a confirmation message that the dietary preferences have been successfully updated.

User Story 2:

As a user, I want to give consent for the app to use my dietary preferences for meal planning.

Scenario 2: Giving Consent for Data Use (Pass/Fail)

- Navigate to the Dietary Preferences Form.
- Fill out dietary preferences as desired.
- Toggle the consent switch to "ON", agreeing to the use of dietary data for meal planning.

Expected: The consent state is saved, allowing the app to use the dietary data for personalized meal suggestions.

- Tap the "Submit" button.

Expected: Preferences and consent are successfully updated, and a success box pops up for the user to click 'ok' to continue.

Unit Tests

Refer to the directory `/tests/forms/dietary_preferences_form_test.dart` in the release branch for automated unit tests related to the Dietary Preferences Form. Note the status of each test passed for the system release version.

Basic Dietary Preferences Tests: *All tests passed.*

Religious or Cultural Laws Tests: *All tests passed.*

Allergies Checkbox Tests: *All tests passed, including dynamic interactions with the "None" and "Other" options.*

Consent Switch Tests: *Tests verifying the presence, initial state, and interaction of the consent switch all passed.*

Submit Button Tests: *Tests for the submit button's enabled/disabled states based on consent, as well as its functionality, all passed.*