System and Unit Test Report | DataDiet | Peanuts Gang | December 2, 2019

System Test Scenarios
- User Story 1 from Sprint 1: As a user, I want to be able to create an account.
  - Start DataDiet app and press "New User," app should transition to sign up page.
  - Fill out account information fields.
  - If any fields are left empty, an error message should be displayed
  - If the username entered is invalid or taken, an error message should be displayed
  - If the password is not strong enough, an error message should be displayed
  - Press sign up, app should transition to the main camera screen.
- User Story 2 from Sprint 1: As a user, I want to be able to sign into my account.
  - Start DataDiet app, tap on the "Email" text field and enter an email address already registered in the app.
  - Tap on the "Password" text field and enter the corresponding password and tap the "Login" button.
  - If either of the email or password fields are incorrect or invalid, an error should appear and the login will refute until the correct login info is provided.
- User Story 1 from Sprint 2: As an individual with dietary restrictions, I want to be able to load settings into the scanner to be looked for in food products.
  - From main screen, tap settings icon in the top right corner, app should load the settings page.
  - Tap on "Scanner," app should load a page that allows the selection of certain diets and the addition of allergies and intolerances.
  - User can switch on any diets they want to scan for, type any allergies/intolerances they want to scan for into the text field and press "Add," ingredient should be displayed in a list below. These settings currently being scanned for are separate from your personal settings and should not affect them.
  - If user wants to delete any allergies/intolerances, swipe left on ingredient and a delete button should appear on the right side. Press "Delete," ingredient should disappear from list.
  - If user wants to reset settings page back to its default, press "Reset" in the bottom left corner, alert should pop up on the screen to confirm their actions.
  - If user decides that they do not want to reset settings, tap "Cancel," alert should simply disappear. If they still want to reset settings, tap "Reset," alert should disappear, diet switches should all be turned off, and all allergies/intolerances should be deleted.
  - Those settings should remain the next time scanner settings are opened.
- User Story 2 from Sprint 2: As a busy individual, I want to be able to quickly scan the barcodes of food products using my phone camera.

- ○ Jeremy
- ● User Story 1 from Sprint 3: As an individual with dietary restrictions, I want to be able to quickly scan food products for the settings I loaded into the scanner.
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- ● User Story 2 from Sprint 3: As an individual with dietary restrictions, I want to establish my personal dietary settings.
  - ○ From main screen, tap settings icon in the top right corner, app should load the settings page.
  - ○ Tap on "Account," app should show profile picture and current account settings.
  - ○ Tap on "View or Edit Personal Dietary Settings," app should load a page that allows the selection of certain diets and the addition of allergies/intolerances.
  - ○ User can switch on any diets they are following, type any allergies/intolerances they have into the text field and press "Add," ingredient should be displayed in a list below.
  - ○ If user wants to delete any allergies/intolerances, swipe left on ingredient and a delete button should appear on the right side. Press "Delete," ingredient should disappear from list.
  - ○ If user wants to reset settings page back to its default, press "Reset" in the bottom left corner, alert should pop up on the screen to confirm their actions.
  - ○ If user decides that they do not want to reset settings, tap "Cancel," alert should simply disappear. If they still want to reset settings, tap "Reset," alert should disappear, diet switches should all be turned off, and all allergies/intolerances should be deleted.
  - ○ Those settings should remain the next time personal settings are opened and be accessible to friends if sharing is enabled.
- ● User Story 1 from Sprint 4: As an individual with unique dietary needs, I want to be able to share my personal dietary settings with a friend who may be shopping for me.
  - ○ From the main screen, tap the settings (gear icon) and the settings page should load.
  - ○ At the settings page, tap on "Friends" which should lead to the Friends page.
  - ○ The friends page should take a few seconds to load and start on the "Find Friends" tab.
  - ○ The user can then tap on the search bar to search for friends who have accounts either by name or username.
  - ○ While the user is typing for the person they're looking for, people should start being displayed on the page that match the search criteria given.
  - ○ Once the person wanted is found, the user should hit the "Add Friend" button that appears next to the desired person's name to send them a friend request.

- ○ The user must then tap the cancel button on the search bar before moving onto the next action.
- ○ The user must then wait for the desired person to go to their "Pending Requests" tab and hit the "Accept" button to accept their friend request.
- ○ After the friend request is accepted, the user can tap the "View Friends" tab to see a list of their friends.
- ○ On the desired friend, the user can switch the toggle on to give the friend access to their settings.
- User Story 2 from Sprint 4: As a user, I want to be able to edit my account settings.
  - ○ From main screen, tap settings icon in the top right corner, app should load the settings page.
  - ○ Tap on "Account," app should show profile picture and current account settings.
  - ○ If user wants to change their profile picture, tap "Change Profile Photo," app should open their photo gallery.
  - ○ Select a photo, crop it, and tap "Choose," app should exit the photo gallery and return to the account settings which will now display the new photo.
  - ○ If user wants to change their name, tap "Edit" next to the label displaying their current name, app should open page that allows for editing.
  - ○ Fill in the first and last name fields then tap "Done," app should save the changes then return to the account settings page which will now show the new name.
  - ○ If user leaves either first or last name text fields empty then taps "Done," an error message should be displayed. If the back arrow in the top left corner is tapped at any point during the editing of the name, app should discard all changes and return to the account settings page which will still show the original name.
  - ○ If user wants to change their email, tap "Edit" next to the label displaying their current email, app should open page that allows for editing.
  - ○ Fill in the email text field then tap "Done," app should save the changes then return to the account settings which will now display the new email.
  - ○ If user leaves the email text field empty, then taps "Done," an error message should be displayed. If the back arrow in the top left corner is tapped at any point during the editing of the email, app should discard all changes and return to the account settings page which will still show the original email.
  - ○ If user wants to change their username, tap "Edit" next to the label displaying their current username, app should open page that allows for editing.
  - ○ Fill in the username text field with a unique and valid username then tap "Done," app should save the changes then return to the account settings which will now display the new username.
  - ○ If user finishes typing username and app finds that it has been taken already, an error message should be displayed. If user enters an invalid username then taps

"Done," an error message should be displayed. If the back arrow in the top left corner is tapped at any point during the editing of the username, app should discard all changes and return to the account settings page which will still show the original username.

- Those settings should remain the next time account settings are opened.

- User Story 3 from Sprint 4: As a user, I want to be able to view my history of previously scanned products and rescan products from there with new dietary settings.
  - From main screen, tap history icon in the bottom right corner, app should load the history page. History page should have a list containing the titles, settings that were scanned, and settings that were found for previously scanned products.
  - If user wants to delete a product from history, swipe left on it and a delete button should appear on the right side. Press "Delete," product and its details should disappear from list.
  - If user wants to clear history page, press "Clear" in the bottom left corner, alert should pop up on the screen to confirm their actions.
  - If user decides that they do not want to clear history, tap "Cancel," alert should simply disappear. If they still want to clear history, tap "Clear," alert should disappear and all products/details should be deleted.
  - If user wants to rescan a product using the settings currently loaded into the scanner, tap on the product and an alert should pop up on the screen to confirm their actions.
  - If user no longer wants to rescan product, tap "Cancel," alert should simply disappear. If they still want to rescan, tap "Rescan," app should load the product details page which contains information from this new scan.
  - When user returns to history, the product details for the rescanned item should be updated to reflect the most recent scan.