System and Unit Test Report

Product Name: KITT
Team name: The KITT Kats
December 1st, 2019

System Test scenarios (25 points per sprint – total 75 points): You have identified user stories (that map to user requirements/functionality for your system) completed for each sprint (in that sprint's report). You will be using scenario-based testing. Scenario based testing focuses on how the user uses the system and allows for multiple user roles as well as multiple functions provided for each user role. For each sprint, list the user story or stories and the scenario or scenarios that show 'coverage' of those user stories. A scenario is a list of system level actions (including precise input and output) a user would follow to determine that each user story has been completed.

I. **User Story 1 Sprint 1 & 2:** As a user, I want to be able to manually input a food item and give it an expiration date so that I can keep track of what I have and when it will expire

    A. **Scenario:**

        1. **Start KITT app**
        2. **Click 'skip' button on the home screen**
        3. **Click the round + button on the bottom right of screen**
        4. **Type:**
            a) **Item name = "apples"**
            b) **Expiration date = *choose date a week from now***
        5. **Click the round check button at the bottom right of the screen**
        6. **User should see their item as a list view on the home screen (list is ordered by expiration date, so those with a later expiration date will be towards the bottom**

II. **User Story 2 Sprint 1 & 2:** As a user I want to be able to use a calendar so that I can see on what days my food will expire.

    A. **Scenario:**

        1. **Start KITT app, click 'skip' button on the home screen**
        2. **Click the Calendar icon (middle)**
        3. **User should see a calendar view with icons on the days that food is expiring**
        4. **Click on the icon**
        5. **User should see a pop-up with the food(s) that are expiring**

III. **User Story 3 Sprint 2 & 3 & 4:** As a user I want to receive notifications so that I won't forget what food I have and when it's going to expire

A. **Scenario:**
1. **Start KITT app, click 'skip' button on the home screen**
2. **Click the settings icon on the bottom right of screen**
3. **Click on "Notification frequency"**
4. **Check that "1 day before, 3 days before, and 1 week before" are checked, and if not check them.**
5. **Click the round + button on the bottom right of screen**
6. **Type:**
   a) **Item name = "apples"**
   b) **Expiration date = *choose date a week from now***
7. **Click the round check button at the bottom right of the screen**
8. **User should see their item as a list view on the home screen (list is ordered by expiration date, so those with a later expiration date will be towards the bottom**
9. **User should see notifications at 11AM for the given days that their notification settings are set for.**

B. **Scenario:**
1. **Start KITT app, click 'skip' button on the home screen**
2. **Click the settings icon on the bottom right of screen**
3. **Click on "Notification frequency"**
4. **Check that all the preferences are checked, and if not check them.**
5. **Click the round + button on the bottom right of screen**
6. **Type:**
   a) **Item name = "apples"**
   b) **Expiration date = *choose tomorrow's date***
7. **Click the round check button at the bottom right of the screen**
8. **User should see their item as a list view on the home screen (list is ordered by expiration date, so those with a later expiration date will be towards the bottom**
9. **User should see notifications at 11AM for the given days that their notification settings are set for, and if food entry was after 11AM, the notification should pop up soon after it was entered in the app.**

IV. **User Story 4 Sprint 2 & 3 & 4:** As a user, I want my home page and calendar pages to look nice so that it will be visually pleasing

A. **Scenario**
1. **Start KITT app, click 'skip' button on the home screen**
2. **Click the settings icon on the bottom right of screen**
3. **Click on "Notification frequency"**
4. **Check that all the preferences are checked, and if not check them.**

5. **Click the round + button on the bottom right of screen**
6. **Type:**
   a) **Item name = "apples"**
   b) **Expiration date = *choose tomorrow's date***
7. **Click the round check button at the bottom right of the screen**
8. **User should see their item as a list view on the home screen (list is ordered by expiration date, so those with a later expiration date will be towards the bottom**
9. **Click the round + button on the bottom right of screen**
10. **Type:**
    a) **Item name = "orange chicken"**
    b) **Expiration date = *choose tomorrow's date***
11. **Click the round check button at the bottom right of the screen**
12. **User should see their item as a list view on the home screen (list is ordered by expiration date, so those with a later expiration date will be towards the bottom**
13. **Experience and views should be easy for the user to navigate**

V. **User Story 5 Sprint 3 & 4:** As a user, when I input a food item I want it to autofill the expiration date with the option to manually adjust it so that I don't have to constantly look up expiration dates for my food.
   NOT IMPLEMENTED

VI. **User Story 6 Sprint 4:** As a user, I want to sign in with Google so that my data is saved
   A. **Start KITT app**
   B. **Click the Google sign in button on the home screen**
   NOT *YET* IMPLEMENTED

VII. **User Story 7 Sprint 4:** As a user I want an intuitive and user-friendly way to input the food items so that it's not confusing and easy to keep track of my groceries
   B. **Scenario**
      1. **Start KITT app, click 'skip' button on the home screen**
      2. **Click the settings icon on the bottom right of screen**
      3. **Click on "Notification frequency"**
      4. **Check that all the preferences are checked, and if not check them.**
      5. **Click the round + button on the bottom right of screen**
      6. **Type:**
         a) **Item name = "apples"**
         b) **Expiration date = *choose tomorrow's date***
      7. **Click the round check button at the bottom right of the screen**

8. **User should see their item as a list view on the home screen (list is ordered by expiration date, so those with a later expiration date will be towards the bottom**
9. **Click the round + button on the bottom right of screen**
10. **Type:**
    a) **Item name = "bananas"**
    b) **Expiration date = *choose tomorrow's date***
11. **Click the round check button at the bottom right of the screen**
12. **User should see their item as a list view on the home screen (list is ordered by expiration date, so those with a later expiration date will be towards the bottom**
13. **Click the round + button on the bottom right of screen**
14. **Type:**
    a) **Item name = "orange chicken"**
    b) **Expiration date = *choose tomorrow's date***
15. **Click the round check button at the bottom right of the screen**
16. **User should see their item as a list view on the home screen (list is ordered by expiration date, so those with a later expiration date will be towards the bottom**
17. **Swipe left to delete the item you already ate**
18. **User should see the list of items on the main home page, without the item that they just deleted.**

VIII. **User Story 8:** As a user I want the app to determine when my food will expire depending on storage conditions (refrigerated, frozen, cooked), so that I can have a more accurate expiration date.
   NOT IMPLEMENTED

IX. **User Story #9:** As a user, I want the app to suggest a food as I'm typing it in so that I don't have to type the whole thing thus providing a better user experience.
   NOT IMPLEMENTED

X. **User Story #15:** As a user, I want to be able to scan items through a barcode, so that I do not have to manually input names.
   NOT IMPLEMENTED