

**System and Unit Test Report**  
**Slug Pantry**  
**Slugs en la cocina**  
**12/2/2019**

**DISCLAIMER:** We were not able to get unit testing to work on our app. We were having problems getting the Jest testing suite to work on our machines. All tests were done by manual input and through code review between developers.

**Sprint Report 1:** There were no user stories for this sprint so therefore there was nothing to test.

**Sprint Report 2:**

- *User Story 1:* As a user I want to be able to enter the ingredients in my pantry/fridge into the app so that it can find recipes.
  - **How did we test this?** We manually input ingredients into a textInput and pressed a button to see if it would append them to a listview.
- *Scenario:*
  - Open up the app
  - Enter <Apples> into text input and tap the plus button
  - Enter <Cheese> into text input and tap the plus button
  - Verify that Apples and Cheese show up on the screen
  - Remove <Cheese> by using the remove button
  - Verify that <Cheese> is removed from the screen

**Sprint Report 3:**

- *User Story 1:* As a user I want the app to display recipes based on ingredients in my pantry.
  - **How did we test this?** First by hard coding specific ingredients into the recipe page, and once we had the output we expected, we transitioned to inputs that were saved into the ingredientList on the pantry page. Once that was working as expected, we tested for edge cases like 0 ingredients, malformed ingredients, and more than 5 ingredients.
- *Scenario:*
  - Enter <Cheese> into text input and tap the plus button
  - Enter <Chicken> into text input and tap the plus button
  - Enter <Apples> into text input and tap the plus button
  - Enter <Flour> into text input and tap the plus button
  - Tap the Go To Recipe List button
  - Verify that appropriate recipes show up

## Sprint Report 4:

- *User Story 1: As a user I want to be able to login to my own personal pantry.*
  - **How did we test this?** First by creating accounts by signing up our own personal emails and checking to see if the authentication page on firebase created our login. Then we tried to login with our emails. Once the sign up and login were working, we tried to login with the wrong emails or signup with bad emails. These tests crashed our app or forced it to reload, but unfortunately we did not have time to fix these bugs.
- *User Story 2: As a user I want to be able to favorite recipes that I can get back without needs to insert specific ingredients into the pantry page*
  - **How did we test this?** First by adding some ingredients to the pantry page, go to the recipe page and pressing the favorite button on a recipe. We check to see if the recipe is then added to our firebase database, and that if we pressed the button to unfavorite it should be removed from the database. We then went to the favorites page and check to see if page displayed only the recipes favorited by the user. We then closed the app and check to see if the favorite page still displayed the right recipes. We also stressed tested by having multiple people using the app at the same time.
- *User Story 3: As a user I want to my pantry to be recalled when I reopen the app after closing it.*
  - **How did we test this?** We entered and removed ingredients into the pantry page and checked to see if firebase updates. We closed and reopened the app to see if any saved ingredients were displayed.
- Scenario:
  - Enter <[wkudsk@gmail.com](mailto:wkudsk@gmail.com)> into the email text input
  - Enter <12345678> into the password text input
  - Tap the sign up button
  - Restart the app
  - Enter <[wkudsk@gmail.com](mailto:wkudsk@gmail.com)> into the email text input
  - Enter <12345678> into the password text input
  - Tap the login button
  - Enter <Chicken> into the text input and tap the plus button
  - Tap the Go To Recipes List button
  - Favorite a recipe
  - Restart the app and verify that the Chicken is still on the pantry page and that the recipe is in the favorites page
  - Then remove Chicken from the pantry page

- Restart the app and verify that Chicken is no longer there