

Document name: System and Unit Test Report

Product name: GrocerEase

Team name: GrocerEase

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User story 1 from sprint 1: As a chef, I want to catalogue my food (and sort it in various ways) because I want an easy way to keep track of the food in my kitchen.

- Scenario:
  1. Start GrocerEase App
  2. Create a new account by inputting into the following fields:
    - email = <fakeemail@email.com>
    - password = <fake password>
  3. User presses 'sign in'
  4. When logged in, user is taken to their personal inventory of groceries
- Scenario:
  1. User navigates to Ingredient screen
  2. User presses the text field at the top of the screen and types in their desired food item
    - If item exists in their inventory, they will be able to see it in the list
  3. User presses '+' button next to the textinput
    - If the desired item is not in their inventory, it will be added.
    - If the desired item is already in their inventory, its quantity will increment.
- Scenario:
  1. User navigates to Ingredient screen with an existing list of items
  2. User presses the "plus" icon on the right side of an item's name
  3. Item's quantity increments
  4. User presses the "minus" icon on the right side of an item's name
  5. Item's quantity decrements
    - If item's quantity is 0, the user will be given the option to delete the item from their inventory
  6. User presses the text showing them the quantity of the item in the inventory
  7. User can edit the quantity directly
- Scenario:
  1. User navigates to Ingredient screen with an existing list of items
  2. User taps the name of an item
  3. User can edit the item's name directly
  4. If they erase the whole name, the item is deleted
  5. If they rename it to an item that is already in the inventory, the items will combine
- Scenario:

1. User navigates to Ingredient screen
2. User presses sort button
  - If list A-Z sorted, user now sees their list as Z-A sorted
  - If list Z-A sorted, user now sees their list as A-Z sorted

User story 2 from sprint 1: As a busy home cook, I want a barcode scanner in an app because I don't wish to manually enter information about my food for every single ingredient/food item I buy, it would get overbearing.

- Scenario:
  1. Start GrocerEase App.
  2. After logging in, click the barcode scanner button in the top left.
  3. Scan barcode of item you want to add to your list. If you have two or more of the same item, scan item [number of items] times. Each scan of the same item will increment the quantity of the item.
  4. Later, the user can edit the name and information of the item they added as they see fit.

User story 1 from sprint 2: As a busy college student, I want to avoid going out of my way to buy food for very specific recipes because I want to use the ingredients I already have with step-by-step instructions.

- Scenario:
  1. Start GrocerEase app.
  2. Login with a provided <username> and <password>.
  3. Review and add any necessary ingredients.
  4. Press the Recipe icon in the top left (carrot).
  5. Press the Sort button to sort by percentage match to ingredients you own.
  6. Review the available recipes and view if you are able to make them. The percentage indicates how close you are to being able to make the recipe given the ingredients in your ingredient list.

User story 2 from sprint 2: As a parent, I want an app that tracks how much food I have and for how long I'll have it because I don't want food to be wasted.

- Scenario:
  1. User navigates to Ingredients screen
  2. User clicks info icon for any ingredient in inventory
  3. Various editable data fields pop up for the selected ingredient to set the nutrition facts.
  4. User can set the expiration date:

- Date entered before today's date. Time since item expired is shown. Info button becomes red, red sad face appears next to expiration date.
- Date entered is within 3 days of today's date. Time until item expires is shown. Info button becomes orange, orange sad face appears next to expiration date.
- Date entered is more than 3 days away from today's date. Time until item expires is shown. Info button becomes green, green happy face appears next to expiration date.

As busy parents, we would like to be able to access our inventory of food remotely, and add, remove or edit items on-the-go to make grocery shopping easier.

- Scenario:
  1. Start GrocerEase App
  2. Log in to an existing account by inputting your information into the following fields:
    - email = <fakeemail@email.com>
    - password = <fake password>
    - Verify if user's email and password exist in the database and also match
  3. User presses 'log in'
  4. When logged in, user can see the ingredients that are in their existing inventory.
  5. Another user on a different device repeats steps 1-4 with the same user info to see the same inventory.
  6. Changes made to the inventory on one user's device will propagate to all devices that are logged in with the same user's information.

User story 1 from sprint 3: As a health-conscious individual, I want something to track the nutritional values of the recipes I make because I want to live a healthy lifestyle, which consists of being aware of what I'm consuming

User story was not completed

User story 1 from sprint 4: As someone with a food allergy, I want to be able to substitute ingredients that I'm allergic to for an alternative that's similar in nature

User story was not completed

User story 2 from sprint 4: As a health-oriented individual, I want to be given a health rating of my food because it is convenient to have my food health calculations pre-determined before I purchase it.

User story was not completed