Release Summary
Product Name: Recipe Retriever
Team Name: RexFetch
Date: 06/06/23
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High Level goals:
- Be able to track ingredients in fridge & Grocery List
- Allow User to retrieve a recipe that they can make through application
- Offer recipe based on ingredients readily available
- Summary - Users can request a recipe based on the ingredients they have in their fridge. As a subtask, allow users to create a grocery list for their own ease.

User stories & Acceptance Criteria:
- Sprint 1
  - As a user, I want a list of what's in my fridge
    - Acceptance Criteria:
    - User must be able to input food items into the Fridge as well as into the Grocery List
    - User must be able to remove food items from the Fridge as well as from the Grocery List
    - Wanted (But not mandatory):
    - User should be able to move items from the Fridge to the Grocery List and vice versa.
    - User should be able to use the interface easily
    - There should be authentication of items to make sure NULL items aren't inputted and duplicates are also not added.
  - As a user, I want to be able to send a request with the ingredients that I have, so that I can get a recipe(s) I can make
    - Acceptance Criteria:
    - User must be able to input ingredients into their fridge
    - User must be able to receive recipes based on the ingredients from their fridge.
    - Wanted (but not mandatory):
    - Recipes given can include up to a maximum of [# of substitutes] other ingredients in any given recipe
    - If there is a missing ingredient in a recipe, the ingredient can be added to the grocery list via some tool (probably a button)
    - Recipes can be favorited & shown even when the ingredients to make them are not in the user's Fridge.
    - User can filter meals based on the foods in their fridge (If a User has Chicken in their Fridge, they can deselect it to not receive recipes with

Chicken)
- As a user, I want my login information and other relevant data stored in a profile, so I can keep track of my fridge content, favorite recipes, etc
  - Acceptance Criteria:
  - User must need a Username and Password combination in order to log in.
  - User data must be stored somewhere (in a database if possible)
  - User data must be saved upon closing of the app (generally saved in the server)
  - Wanted (But not mandatory):
  - User should be able to log out as well as log in
  - If User is logged in upon app close, they should remain logged in.
  - There must be user authentication and no two users can have the same username.
  - User information should be secure
- Sprint 2
  - As a user, I want to look up a recipe based on the ingredients in my kitchen. (MVP)
    - Acceptance Criteria:
    - User must be able to input ingredients into their fridge
    - User must be able to receive recipes based on the ingredients from their fridge.
    - Wanted (but not mandatory):
    - Recipes given can include up to a maximum of [# of substitutes] other ingredients in any given recipe
    - If there is a missing ingredient in a recipe, the ingredient can be added to the grocery list via some tool (probably a button)
    - Recipes can be favorited & shown even when the ingredients to make them are not in the user's Fridge.
    - User can filter meals based on the foods in their fridge (If a User has Chicken in their Fridge, they can deselect it to not receive recipes with Chicken)
  - As a user, I want my login information to be stored in a profile, so I can save some information about myself (favorite recipe, my fridge content, etc.)
    - Acceptance Criteria:
    - Finish up login functionality
    - User must be able to log out and log back in without information loss
    - Wanted (But not mandatory):
    - Other user information should be stored including but not limited to favorited recipes, allergens, allowed substitutions, fridge data, and more.
- Sprint 3
  - As a user, I want to look up a recipe based on the ingredients in my kitchen. (MVP)
    - Acceptance Criteria:
    - User must be able to input ingredients into their fridge

- - - - ■ User must be able to receive recipes based on the ingredients from their fridge.
        - ■ Wanted (but not mandatory):
        - ■ Recipes given can include up to a maximum of [# of substitutes] other ingredients in any given recipe
        - ■ If there is a missing ingredient in a recipe, the ingredient can be added to the grocery list via some tool (probably a button)
        - ■ Recipes can be favorited & shown even when the ingredients to make them are not in the user's Fridge.
        - ■ User can filter meals based on the foods in their fridge (If a User has Chicken in their Fridge, they can deselect it to not receive recipes with Chicken)
    - ○ As a user, I want my login information to be stored in a profile, so I can save some information about myself (favorite recipe, my fridge content, etc.)
        - ■ Acceptance Criteria:
        - ■ User must be able to log in on separate devices
- ● Sprint 4
    - ○ I want to have the app choose a meal for me, rather than giving me a list of choices
        - ■ Acceptance Criteria:
        - ■ Randomization in selecting the recipe from recipes gotten
        - ■ The recipe the randomizer shows must be shown to the user in one way or another (Through a pop-up message or dynamically changing the text on the page)
        - ■ Wanted (But not mandatory):
        - ■ A spinner visually randomly selecting the recipe
        - ■ Randomization based on certain recipes that the User "Selects" (Subset of All Recipes)
        - ■ If no recipe is selected, randomized is based on the entire recipe list (All Recipes)
    - ○ I want a pretty app. (UI/UX)
        - ■ Acceptance Criteria:
        - ■ There is a Home Page
        - ■ There is a specific color scheme
        - ■ Design is simple (Little to no dropdown menus and other complicated components)
        - ■ Wanted (But not mandatory):
        - ■ There is a light and dark theme.
    - ○ As a user, I want to forbid certain foods (allergens)
        - ■ Acceptance Criteria:
        - ■ User must not get recipes with forbidden items in them
        - ■ User must be able to forbid multiple foods

- - - Allergen data must be stored
    - Wanted (But not mandatory):
    - Allergen information should be able to to be changed
  - I want to keep track of my favorite recipes.
    - Acceptance Criteria:
    - Favorited Recipes must be stored in the user's profile/data
    - Favorited Recipes should pop up as options even if the ingredients to make them are not in the fridge.
    - Wanted (But not mandatory):
    - Favorited recipes which are makeable (User has the ingredients to make them) should pop up at the top of the given Recipe List
    - Favorited recipes which are unmakeable (User does NOT have the ingredients to make them) should pop up at the bottom of the given Recipe List

Known Problems:

Frontend -

- When navigating to a specific recipe and then navigating back to the recipe page, any "Selected Recipes" no longer have a "Unselect" Button but instead have a "Select" Button. (Note: Information about selection is still stored though so if the user clicks the "Select" Button it won't change into a "Unselect" Button on the first click (as the data is stored that it is selected)). This is a UI/UX display issue
- Sometimes recipes fail to display; this can usually be fixed by restarting the simulator.

Backend -

- Communication instability and connection issues with Frontend; front end does most of the computation now to account for this.
  - Furthermore, this means device switching is disabled.
- Backend integration is semi-unfinished because of front/back end integration.

Product Backlog:

Creating Favorited Recipes - User Story 3.3