

Document name: Working Prototype Known Problems Report

Product name: GrocerEase

Team name: GrocerEase

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- Input/action that causes failure: Adding an ingredient to the inventory does not automatically place item in sorted order (whether A-Z or Z-A). Only does so after the sort button is pressed.
 - Location of fault: app/IngredientScreenComponents/ActionBar.js
 - Possible action for removal of fault: unknown
- Input/action that causes failure: False positives often appear while attempting to match the ingredients required to make a recipe with groceries in the user's inventory, such as the app thinking you can make a recipe involving "large onion" when the user has "large bananas", or the app thinking you can make a recipe with "rice wine" when you just have "white rice".
 - Location of fault: App.js
 - Possible actions for removal of fault:
 - Developing a better matching algorithm that can accurately compare the user's groceries with the ingredients in the recipes to determine which names can be matched
 - Comparing names with a database of nouns, adjectives and common food names
 - Using a machine learning program to figure out how names can be matched.
- Input/action that causes failure: Searching for ingredients in recipes sometimes returns false positives. For example, looking for "salt" may return a recipe with "unsalted butter" as an ingredient.
 - Location of fault: app/RecipeScreen.js
 - Possible action for removal of fault: A more comprehensive sorting algorithm could be used here.
- Input/action that causes failure: Matching ingredients that are manually set in recipes do not save when the user logs out.
 - Location of fault: app/RecipeScreen.js
 - Possible action for removal of fault: creating a new database and data format to store user changes to recipes
- Input/action that causes failure: The user is not notified when they are disconnected from the internet. A user can make changes to their inventory while disconnected, which will overwrite the changes other people are making once the user reconnects.
 - Location of fault: App.js

- Possible actions for removal of fault:
 - Notify the user when they disconnect from the internet while using the app
 - Force the user into the login screen when they disconnect
 - Check to see that later changes persist while older changes have no effect