Remaining Tasks and Future Implementation Plan

Group: Segmentation Fault

User Stories Not Addressed During Semester
- As a customer, I want to be able to set custom notifications and reminders so that I don't forget to log my data.
- As someone just starting their weight loss journey, I want an optional tutorial to show me how the app works so that I do not feel intimidated.
- As someone who walks a lot, I want a built-in step counter so I can track how far I walk each day.
- As a visual learner, I want a feature that will show me how many calories I've consumed each day in the form of a graph so that I can visually track my progress.
- As an avid gym-goer, I want a feature that will allow me to log my workouts so that I can keep track of my exercise habits.
- As someone who is overweight, I want a feature that will allow me to calculate my BMI so I can track how it changes over time.
- As someone trying to get in shape, I want to be able to calculate what macronutrients I need to consume each day to reach my fitness goals.
- As someone trying to eat healthier, I want to be able to record my sugar and sodium intake to track how close I am to my maximum recommended daily intake.
- As someone with visual problems, I want to be able to adjust font size to make the app more accessible.
- As a colorblind person, I want the interface of the app to be colorblind friendly to make the app more accessible.
- As someone trying to gain muscle, I want to receive suggestions on macronutrient intake based on my current intake to adjust my intake accordingly.
- As a forgetful app user, I want to be sent notifications and reminders so that I don't forget to record my daily caloric intake.
- As an app user, I want to be able to scan the barcode of packaged foods so that I can track my daily calorie intake more conveniently and accurately.

- As an app user, I want to be able to change the color palette of the app's interface so that it will be more personalized and nicer to look at.
- As an app user, I want a feature that will allow me to track how much water I drink in a day so that I can make sure I am getting a proper amount of hydration.
- As an app user, I want the app to have a dark mode so that it will not strain my eyes as much.
- As someone who weighs food with a food scale, I want to input my foods in grams or ounces instead of suggested serving sizes
- As someone who struggles with an eating disorder, I do not want to be encouraged to lose weight.

Requirements Not Addressed During Semester

- Users should be able to enter food into Black Bear Calorie Counter by scanning the product's Universal Product Code (UPC) with the phone's camera.
- Users should be able to select portion sizes in units of one gram or one ounce to facilitate use of a food scale.
- Users should be able to enter food into Black Bear Calorie Counter by searching for brand names or keywords, e.g., "bananas" or "Pepsi."
- The overview dialog shall contain all foods entered that day.
- The overview dialog shall display total calories consumed that day at the top of the dialog.
- The overview dialog shall display a pie graph of macronutrients consumed as a percentage of total caloric intake.
- The overview dialog shall color the calorie intake red if a calorie goal has not been met.
- The overview dialog shall color the calorie intake green if a calorie goal has been met.

Future Development / Plan

- Include search integration with USDA FoodData Central, which is one of the most comprehensive and free nutritional information databases in the United States.
- Implement barcode scanning for packaged foods, using FoodData Central as our database.
- Implement an overview section of all calories, macronutrients and foods consumed throughout the day.
- Implement a history of all calories, macronutrients, and foods consumed overtime throughout previous days.
- Implement measurement conversion systems for users to be able to enter food servings on a per-gram basis, or per-ounce basis.