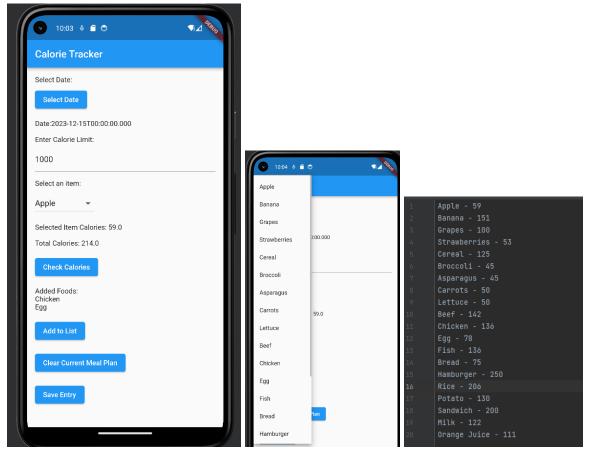
Create a FlutterCaloriesCalculator app for the following instructions:

Github: https://github.com/sarahwedge/assignment3

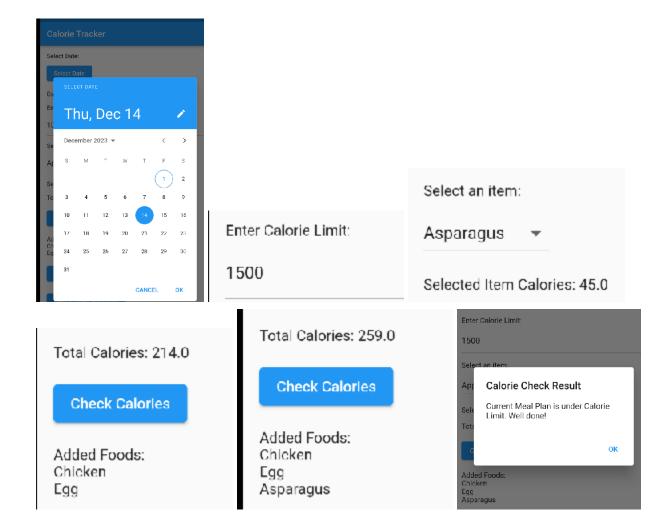
1. Create a database and store at least 20 preferred food items and calories pairs

To accomplish this, I created a text file with 20 food and calorie pairs each separated by a new line. Then I created a database helper class called FoodDatabaseHandler that creates a database storing each food with a corresponding id and its calorie amount. This class reads from the text file and populates the database with the food information. In my main class, I created the interface for users to enter in the date, select a food item, check the calorie count, add foods to a meal plan, and save them to the database. The main class communicates with the FoodDatabaseHandler class to retrieve a list of all the food items stored in the database. This list of food objects is then used to populate the dropdown menu.



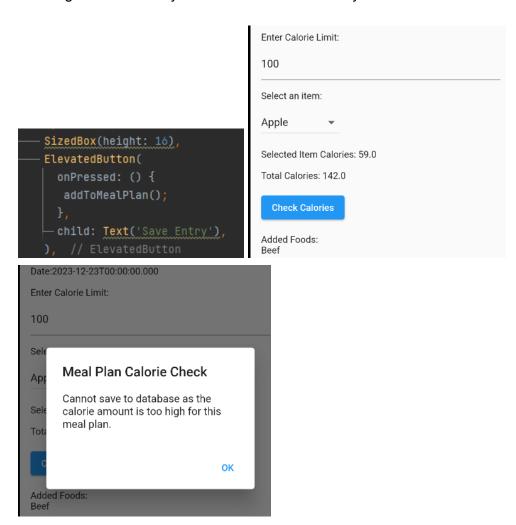
2. Users can select a "target calories per day", "date", and select the food item from the list to not exceed the target calories.

Users can select a date by pressing the "Select Date" button and enter their target calories using a TextFormField. Each food item selected on the dropdown will be shown with its calorie amount upon being selected. The user can add the food to their meal plan by clicking the "Add to List" button. The total sum of calories for all foods in the meal plan will be shown to the user under "Total Calories". The user can also check if the current contents of their meal plan are over the target calorie limit by pressing the "Check Calories" button. Users can clear the contents of their meal plan or save the meal plan to the database by selecting the "Save Entry" button.

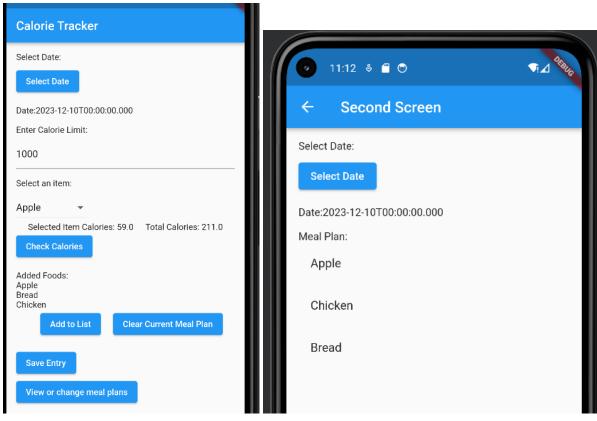


3. User then saves the selected food items (meal plan) into the database with a date

Pressing the "Save Entry" button will save each entry in the food list to the database.



4. A query feature in the app to display meal plan for a date (if found in the database)



5. An add, delete, and update feature in the app to add, delete, or update entries

