Diet Tracker - Project Report
Members: Rachal, Fuad, Daven

CONTRIBUTIONS:

Rachal:

- Ui designs and layout
- Nav drawer and the fragments
- Dialog box fragment layout
- Profile image uploader
- Recycler view delete feature

Fuad:

- Api call
- Shared Preferences
- Recycler View & displaying the different food list items
- Notification and Alert (sound and toast message)
- Bmi calculations
- Displaying information in dialog box

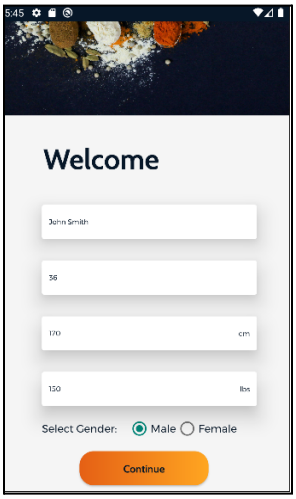
Daven:

- Coding corrections
- Dialogue box and UI corrections

Points Distributions:

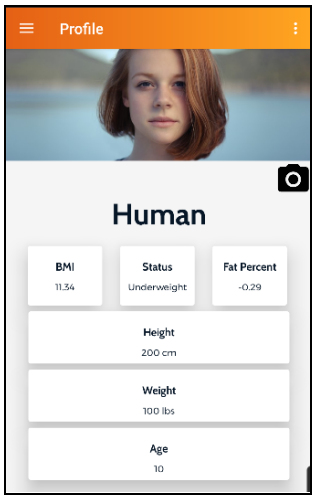
NavDrawer (2) - displays food nutrient data, calories and stats about user.
Recycler View (1) - displays the food list added by user.
Shared Preferences (1) stores information and allowing access of different activities.
Three or more activities (1) - the welcome screen, nav drawer and second activity.
Notifications (1) - Apps sends a notification when max calorie value reached
Use of Media Player(1) - Plays a certain notification sound along with a toast message when user crosses a threshold of calorie value
Use of Gallery(1) - Allows the user to upload an image for their profile

SCREENSHOTS OF APP:

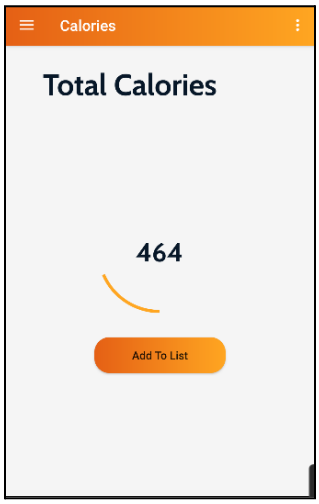


Welcome page view which receives user input.

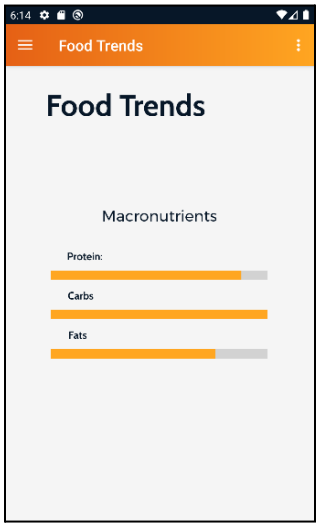
Welcome page is used for customization
and calculations.



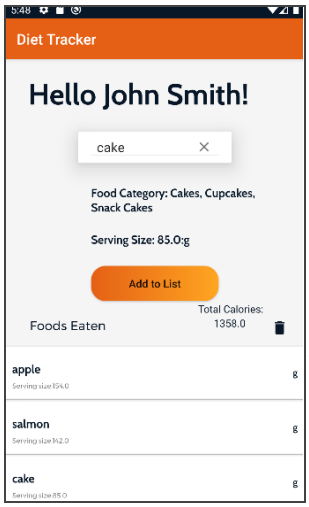
Profile screen showcases user input and provides calculations of BMI and Fat percentage.



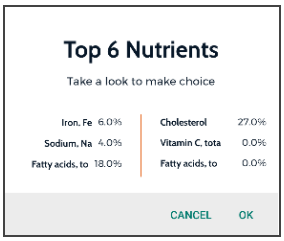
Total calories shows the main screen where user can access navigation bar top left-hand side) and can access the food and nutrition library through the “Add to List” button.



Food trends provides a chart which shows the user nutrition content added to log and nutrients still needed for the day.



View which allows the user to input food into the log.



Top 6 nutrients uses an API call to display the top nutrients that the food is most dense in.

SUMMARY AND SOLUTIONS

Objectives were first split between and agreed upon by team members. Project was visually drafted through views on the app to get a general idea of layout. Issues of the project were that we needed to delete information from the recycler view, so we implemented a button to delete the information. We faced some issues with github merging also.There are couple of times conflicts occur between branches that did not allow us to merge the branches. We have to merge those changes manually to get the final product.

References/resources (if any): **Most of the code base is written or inspired from the Blackboard example provided by the professor.**

Special instructions to run your web app: **N/A**