

# **Fitness and Nutrition Buddy Scenario**

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The Fitness and Nutrition Buddy App will eventually allow users to log in or create a profile which will allow them to enter macronutrient data to create and track their own personally tailored meals catering to their dietary needs/wants from restaurants near them.

The first scenario describes what will happen when the user opens the application and search for the restaurant nearby, then clicks on the wanted option to display all the information about the restaurant, and the nutrition information about it(menu). Then, the user will be shown the direction of the restaurant by Google Maps after pressing the button for the directions

Key features of the app implemented in the scenario will be the user profile obtained/created when the user first signs up through which they can enter and edit their dietary macronutrient needs(the user must be logged in ) and the Google Maps API that will allow the user to find their current location and the nearby restaurants' locations, then the user can use the directions externally to Google Maps application.

## **Scenario: User Wants Food Nearby:**

The user opens up the application, and the app will load and shows the user the login screen. When the user does not have an account, there is a sign-up button that the user will press. Next, there will be a sign-up screen with username, password, email, and age, then the user will input all of this information and press sign up. Also, the app will show the user a login screen, then the user will input the username and password, which will show the main screen of the application.

The main screen will appear to the user, and the user will activate the location of the application by pressing the find my location button which will utilize Google Map API to find the user's location and display that on the map located either on the main screen or another screen (not sure yet at the moment but both are identical in behavior ). Next, the user will see a list of nearby restaurants that have the nutrition information available, and their locations on the map, then the user will pick the restaurant from the map. Finally, the user will be shown the menu of the restaurant that has been picked by the user and the nutrition information for each item.

Also, the user can edit their profile information by clicking on the profile fragment, then the application will show the user profile, which can be edited by the user by pressing on the section and inserting new information, then the user press update, which will reflect on the database information of the user.

## Diagram for the application usage from start to end:

