

Fitness and Nutrition Buddy Scenario

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The Fitness and Nutrition Buddy is a mobile application that will give users the ability to follow their personal nutrition plans and maintain their health while eating food outside the home. The app will eventually allow users to log in or create a new account and also, create a profile that will enable them to enter macronutrient data to develop and track their own personally tailored meals catering to their dietary needs/wants from restaurants near them.

Key features of the app implemented in the scenario will be the Google Maps API that will allow the user to find their current location and the nearby restaurants' locations, and the accurate nutritional information about food options at those nearby restaurants pulled from the publicly available Nutritionix database. Combined, these features will allow the user to pick a meal suitable for their nutritional needs.

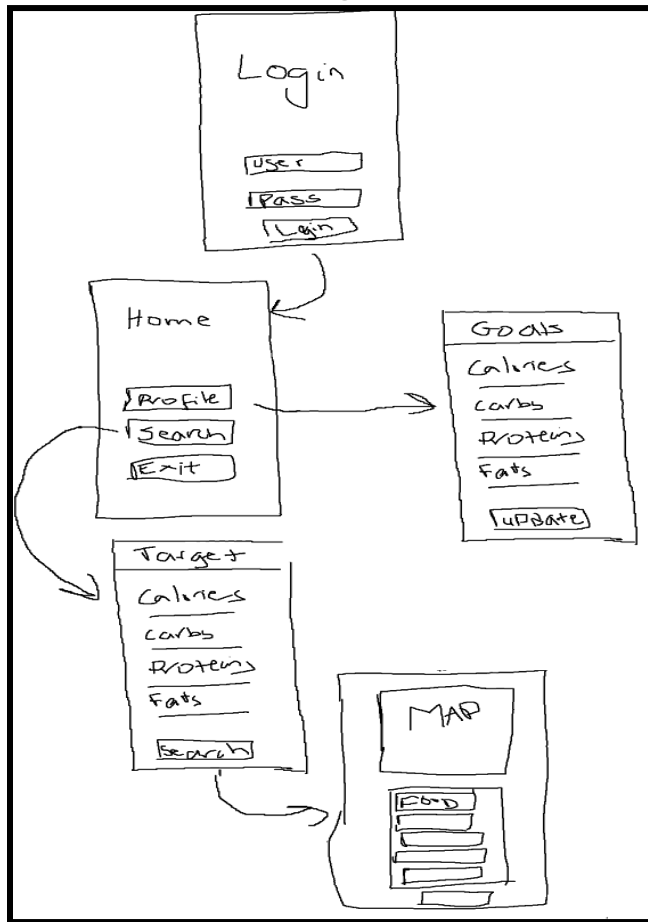
The second scenario describes what will happen when the user opens the application, searches for the restaurant nearby, then clicks on the wanted option to display all the information about the restaurant, and the nutrition information about it (menu) that is very similar to what the user's dietary needs are. This scenario also describes how users will receive accurate real-time information about nutrition in the restaurants surrounding them. The user can then choose a restaurant from the map, and receive directions to that location.

Scenario: Professor Bell wants Food

Professor Bell felt hungry after a long day of grading the exams, so he decided to get takeout from a nearby location. However, Professor Bell is worried about his diet, so he decides to use Fitness and Nutrition Buddy to get the food suitable for him the most (So, we get good grades in the end). Professor Bell opens the application and is greeted by a login screen, where he will enter their account information to access the application, but if professor Bell does not have an account, he can create a new one by pressing on sign up. Since professor Bell is using the application for the first time, he will create a new account.

Furthermore, He will then be met with a home screen, where he can then access his profile and he will enter all the nutritional information that will be used to filter out searches, so, professor Bell will press the main screen button which will ask him to accept the permission for his current location. Then, the application will start searching for nearby locations of restaurants within a 1-mile radius and display the location of professor Bell with nearby restaurants on a Google Maps fragment. Along with a list of collapsed restaurant food lists that can be expanded to show matching food options. Professor Bell then will pick the food that he likes, then visit the restaurant to visit, and will receive directions to that location by pressing on the restaurant he likes on the map. Finally, Professor Bell is happy and healthy!

Visual Workflow Diagram



Application Usage Diagram

