

Lab 2 Report

By,

Sirish Chandra Madanapally

Ravisha Thalapalli

For the second lab assignment we have used the Rest API's as mentioned in the tutorial. The project on which we are working is chef assistant that is which can assist in cooking, keeping other factors in minds such as health and well being.

So as a first step towards our application we have developed an app which can retrun the nutritional values of a specific food item.

That is the user can search any food item and the application will return the nutritional values such as :

1. Calories
2. Fat
3. The brand of the food item
4. Serving Size

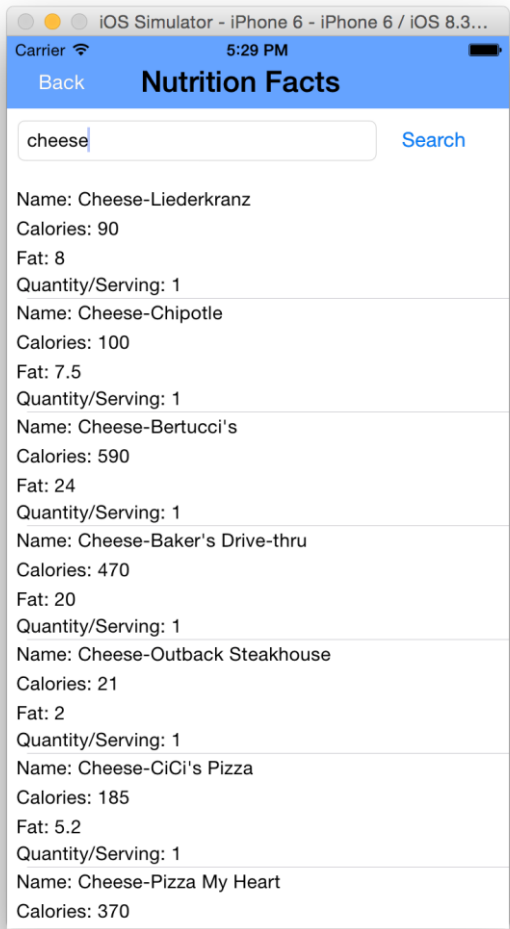
So in order facilitate the functionality we have used the nutritionix api: https://api.nutritionix.com/v1_1/search/

It's a simple api which returns the nutrition values of various foods and food materials.

Since we are going to develop a project which will assist the user in cooking. Knowing the nutrition values of the food items being used and the food being prepared will be very helpful.

Going ahead we will be implementing functionality of speech to text conversion so that when user speaks to the bot it can read the input analyze use the API to get the nutrition values and read it out to the user.

The following are the screen shots of the application developed.



The following are the code samples used in the application.

