Programming Assignment 1

Topics in Data Management – Web Services

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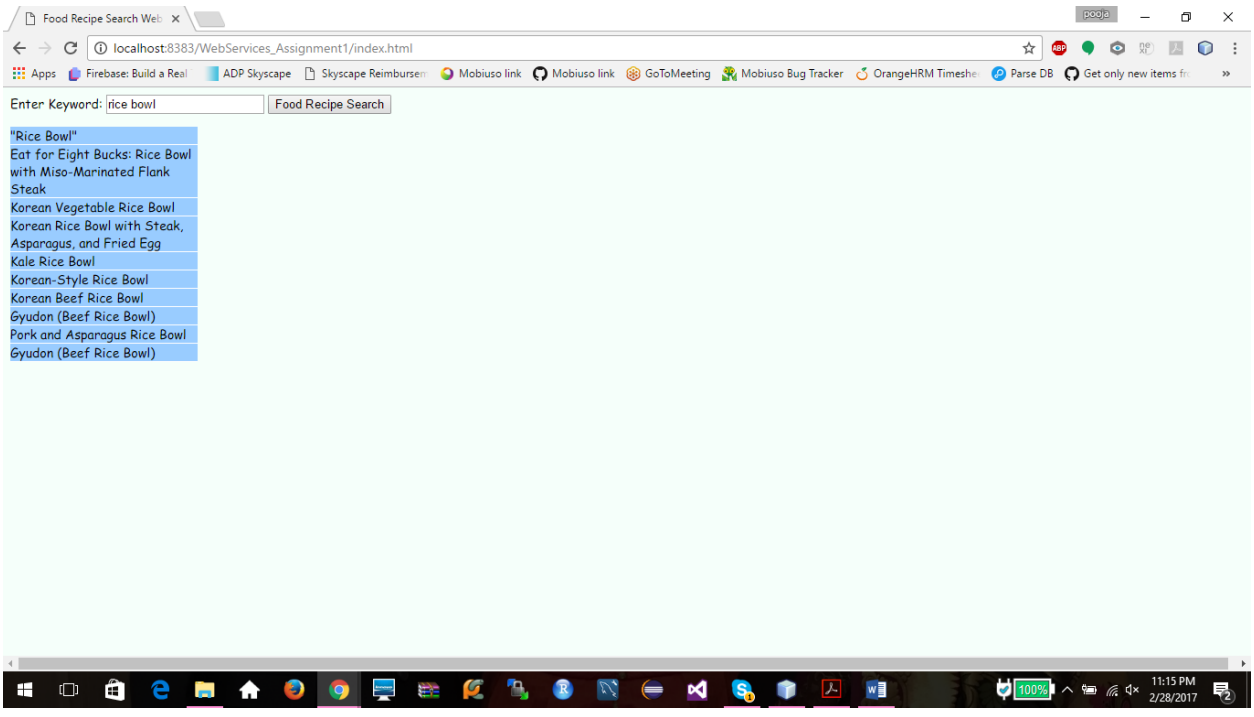
Design of the application:

The application I have developed takes in the food as input from the user to tell the user which food recipe he wants to look for. When entering the food recipe as input, the list of recipes that matches the food recipe he entered is displayed. The list of recipes is fetched from Edamam Recipe Search API. When the user clicks on a food recipe which are displayed, details about the recipe are displayed. Recipe details includes the picture of the food, name of the recipe, the source, its ingredients and preparation steps which is a link to some other website. The user enters the city name to find the restaurants that serve the clicked food recipe. A list of restaurants serving that food recipe is displayed. The list of restaurants is fetched from Yelp Search API. On click of a restaurant, details of the restaurants such as the name of restaurant, its picture, its address and contact number are displayed. The location of that clicked restaurant is also displayed on Google Maps which is fetched from Google Maps JavaScript API.

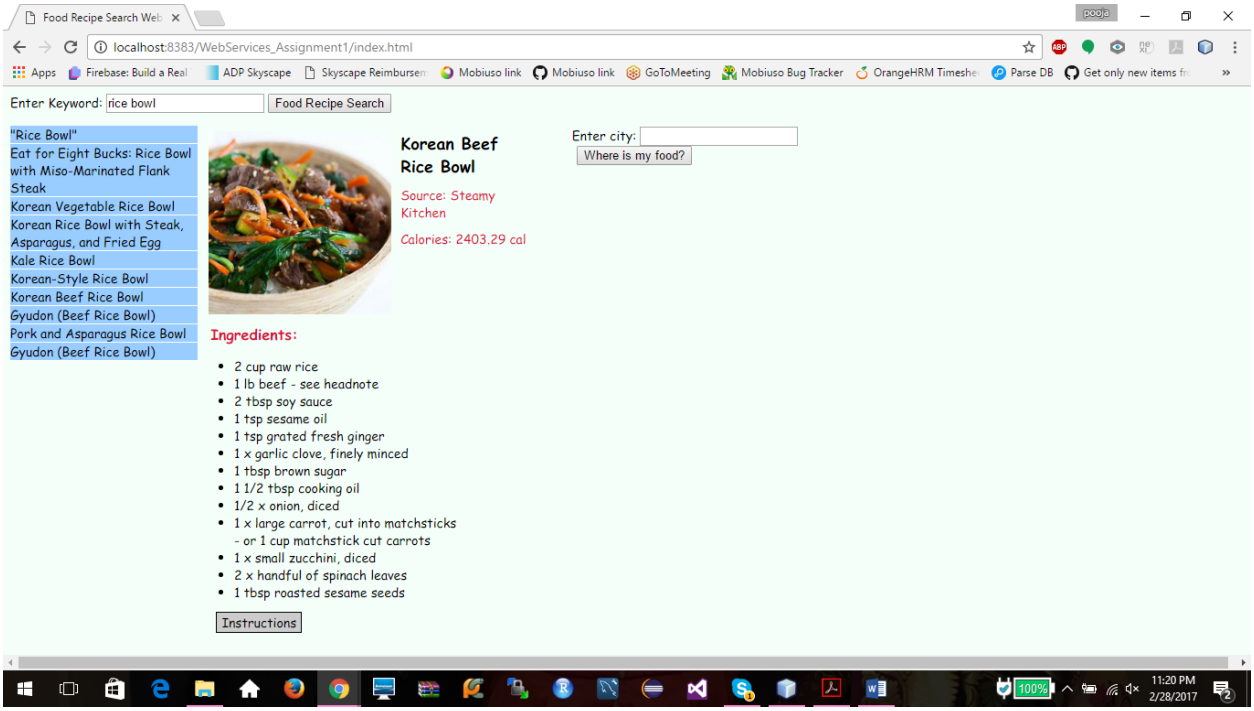
Screenshots:

Below show the steps for running the application:

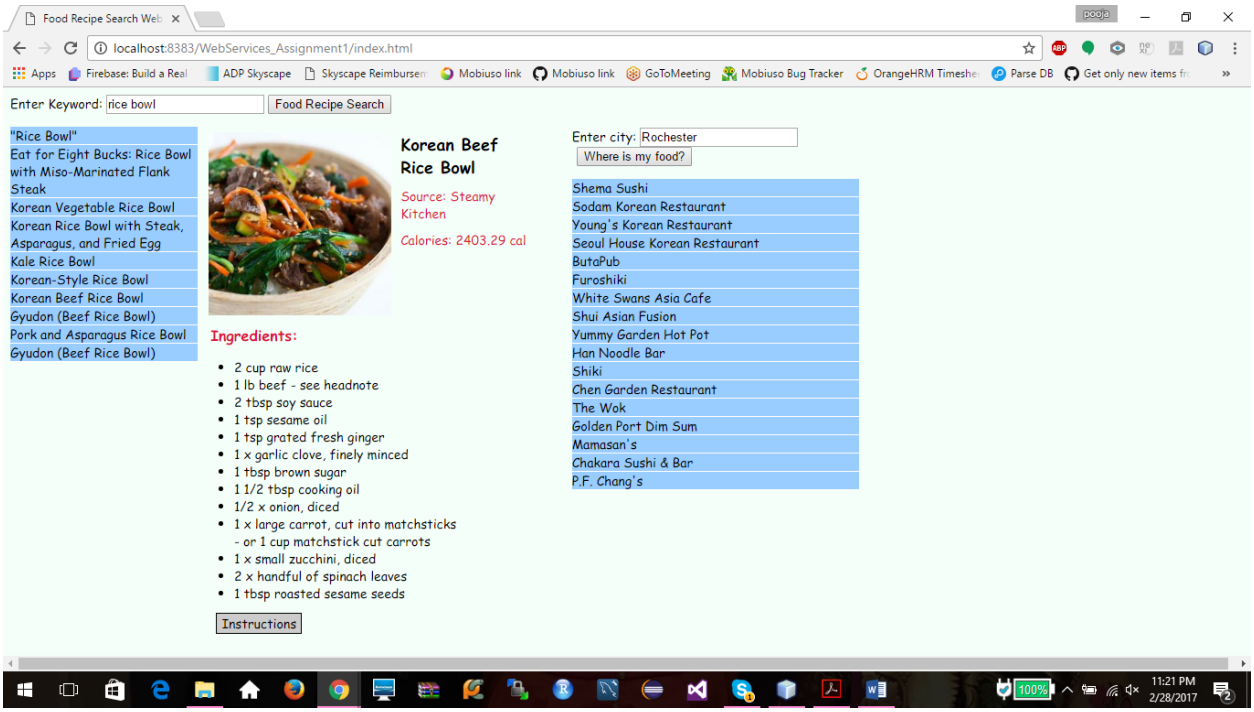
Entering food recipe name:



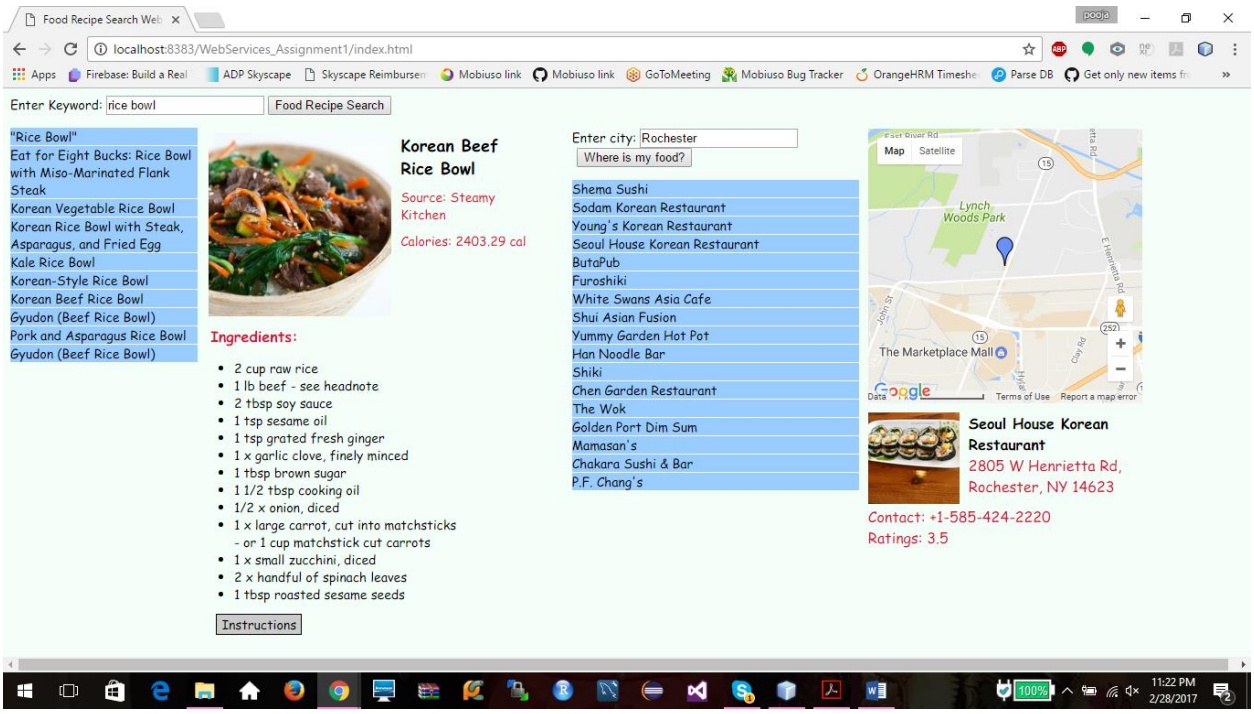
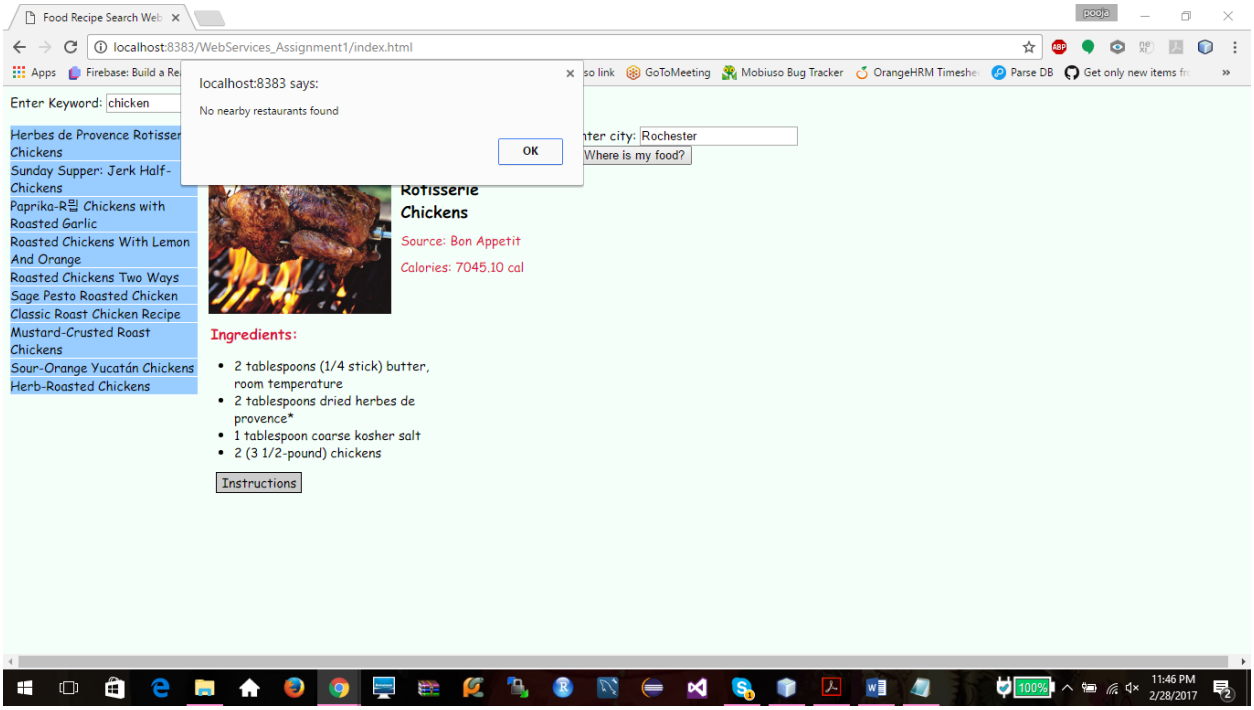
On click of a food recipe:



Entering the city name:



Clicking a restaurant:



If no restaurant found, alert box displayed: