# FOODIE WEB SERVICE PROJECT DESCRIPTION

The objective of this project was to aid in exploring RESTful web services by creating a simple Web Service that will take an address and respond with the information of nearby restaurants. To achieve this, I created a web service with an end-point that accepts a parameter called address. This end-point was through a GET request on the url of the web service. Using GEOCOD API, I was able to retrieve the latitude and longitude from the passed in address and use this data to make another API request to the YELP Web Service. This enabled me to get a list of restaurants that are close to the address entered by the user. To ensure the user gets the correct response from the Web Service, a valid address would result in a JSON formatted data returned back to the client and an invalid address would result in an appropriate error message.

There were no issues during this project that were not handled.

I used the spring framework to build the Web Service. This also contains the Jackson JSON library which helped in parsing the JSON data I received from the external APIs.

To run this application, navigate into the project folder using the terminal and type:
    gradlew bootRun
This will start up tomcat web server and you can use postman or curl to view the response. Example, in another terminal, type:
    curl localhost:8080/restaurants?address=Washington+Square+Park

To find the GEOCOD API and the YELP API, open the *AppController.java* file in the *src\main\java\com\foodie\webservice\foodiewebservice* directory. Change Line 19 and 20 to your GEOCOD API and YELP API respectively.