Distributed Systems Project 2

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In this project we created a Web Service that takes an address and respond with info of nearby restaurants. First, we created a basic Web Service with a single REST endpoint that returns a response back to the client. Then we modified the requests to the web service to pass a parameter called with some address string. We used the address and geocode it using the Geocod.io API and parsed our response with the Jackson library. After parsing the latitude and longitude of our address, we used the Zomato API to find some nearby restaurants.

We didn't have any notable issues.

In this project we used two main libraries. The spring framework and the Jackson library.

We used the org.springframework.http.HttpEntity.:

This was to r epresents an HTTP request or response entity, consisting of headers and body.

We used the com.fasterxml.jackson.databind:

It provided basic data binding (mapping) functionality that allowed for reading JSON content into Java Objects

To start the Application, go to Application.java and run it

http://localhost:8080/restaurants?name=1600+Pensylvania+Ave+NW%2c+Washington+DC+20500

Geocodio Api Key:

Line 41, concatenated with String "geocodioUrl"

Zomato Api Key:

Line 73 , added to HttpHeaders "headers"