

Documentation

In this zip archive is the proposal made by Jorge Gonzalez (the applicant) developed in Java 17 using S & Spring Boot 3.1.5. The proposal can be executed by running the following command on the root of the project:

```
./mvnw spring-boot:run
```

The proposal will run on port 8080. In order to test it, the following links can be accessed via Postman, curl or web browser. Modify the query parameters as desired.

Inputs	Method	Example URL
Two-letter "Country Code" and Measured Parameter	GET	http://localhost:8080/measurements?countryCode=MX¶meter=pm25
Decimal-Degree Coordinates & Radius and Measured Parameter	GET	http://localhost:8080/measurements?parameter=pm25&latitude=31.68635823&longitude=-106.42575864&radius=10000

Additionally, a simple view was developed to easily set the inputs via a HTML form and get the JSON results. To access it, go to <http://localhost:8080> in your web browser.

Input 1

- ☒ Option 1: Country Code and air quality parameters
☐ Option 2: Coordinates, radius and air quality parameters

Country code

Air quality parameter

Input 2

- ☐ Option 1: Country Code and air quality parameters
☒ Option 2: Coordinates, radius and air quality parameters

Latitude

Longitude

Radius

Air quality parameter

