HW1: Mid-term assignment report

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1 Introduction

1.1 Overview of the work

This report presents the midterm individual project required for TQS, covering both the software product features and the adopted quality assurance strategy.
My application would be able to present the air quality of any city the user decided to search. After the user chooses the city, the application would request the services of the AirVisual API to present the results of the air quality in the given city.

1.2 Current limitations

I couldn’t apply the API requests so I build the website and the tests are only appliable to the classes Cidade and Coords that I created.
I created the classes I believe would be needed to make the application functional but I couldn’t implement them.

2 Product specification

2.1 Functional scope and supported interactions

The user has to type in the boxes showed to them what city they wanted to search, and the request would be presented to them after clicking the “search” button.

2.2 API for developers

The API I tried to implement is the AirVisual API, https://www.iqair.com/air-pollution-data-api.

3 Quality assurance

3.1 Overall strategy for testing

I tested the classes Cidade and Coords, using Junit.

4 References & resources

Project resources

- https://github.com/pereira-goncalo/TQS_93310/tree/master/Homework
- https://github.com/pereira-goncalo/TQS_93310/tree/master/Docs_Homework