**EVALUATION REPORT**

1. **Description**

Openweathermap – Search the weather in your city.

1. **Functional**

Search city: User seaching the city via search text box, the cities mapping present in details page.

Details results: The cities mapping relevant with keyword, user can view details weather or navigate to city in map.

1. **API Automation Test Strategy**
2. Covered:

Searching function: API automated tests for the feature "search weather in your city"

API: api.openweathermap.org/data/2.5/weather?q={city name},{state code}&appid={API

key}

* Verify request
* Verify response base on request data
* List out the weather details of city

1. Strategy

* Positive flow
* Nagetive flow
* Calculate Occurences, average duration, max duration for each step.

1. Technology

* Language: Java
* Tech: Rest Assured, TestNG
* Source management: Maven

1. Solution

* Convert request header to Java object.
* Convert request param (body) to Java object
* Convert response body to Java object
* Convert response error to Java object
* Separation of test layer
* Prepare header
* Prepare request
* Sending request
* Get and verify response
* Cucumber steps definition mapping
* Collecting data and generate report

1. **Details**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total Tests | Automated | Pass | Fail | Percentage |  |
| 7 | 7 | 7 | 0 | 100% |  |
|  |  |  |  |  |  |

* Tests are automated:
* Search weather with valid city name
* Search weather with valid city name and country code
* Search weather with invalid city name
* Search weather with valid city name and invalid country code
* Search weather with empty value
* Search weather with keyword less than three characters
* Search weather with invalid api key

1. **Advantage**

* BDD concept
* Structured and clear code
* Familiar reporting

1. **Disadvantage**

* Complicated
* Take effort