Weather API

Test Plan

**Version <1.0>**

**03.06.2018**

**1. INTRODUCTION**

The open weather map is used to know weather. Weather API show weather for current data, 5 day / 3 hour forecast,16 day / daily forecast/ Also user can find Historical data, Weather map layers, History Bulk, UV Index, Weather stations, Bulk downloading, Weather alerts, Air pollution.

**2. Items to be Tested**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Responsibility** |
| Current weather data | By city name  By city name and country  By city ID  By geographic coordinates  By ZIP code  Call current weather data for several cities Cities within a rectangle zone  Cities in cycle  Call for several city IDs |  |  |
| 5 day / 3 hour forecast | By city name  By city name and country  By city ID  By geographic coordinates  By ZIP code |  |  |
| 16 day / daily forecast | By city name  By city name and country  By city ID  By geographic coordinates  By ZIP code |  |  |
| Historical data | By city ID  By city name  By geographic coordinates |  |  |
| Weather map layers | Clouds  Precipitation  Sea level pressure  Wind speed  Temperature  Satellite base map |  |  |
| UV Index | By geographic coordinates  Call forecast UV data for one location  Call historical UV data for one location  Server response format |  |  |

# **3. TEST APPROACH(S)**

Sending the request and checking the response to the request.

**4. TEST PASS / FAIL CRITERIA**

Checking response code and response body.

**5. TEST ENTRY / EXIT CRITERIA**

Test entry is a send request to the API with given parameters. Exit criteria is a get response from the API.

**6. TEST DELIVERABLES**

* Test Report
* Check list
* Collection of requents to the API using Postman

# **7. TEST ENVIRONMENTAL / STAFFING / TRAINING NEEDS**

# Node.js