# TEST PLAN

## Project description

## <https://openweathermap.org/> weather service is based on the [VANE Geospatial Data Science platform](http://owm.io/) for collecting, processing, and distributing information about our planet through easy to use tools and APIs. The purpose of this project is exploration service using weather API.

## Items to be Tested

## In this project it will be tested features that are available for free accounts without subscribe.

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Responsibility** |
| Current and 5 days forecast weather data for one location | Creating api requests using city id/name/zip code/ geographic coordinates | 03.06.2018 | QC teammate #1 |
| Current weather data for several cities (in cycle) | Creating api request using city geographic coordinates | 03.06.2018 | QC teammate #1 |
| Weather Alerts | Creating, updating, deleting trigger for temperature. | 03.06.2018 | QC teammate #1 |

## Items NOT to be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Bulk downloading, 16 day/daily forecast, Historical data, History Bulk, Weather map layers, UV index , Weather stations, Air pollution | All these items need specific conditions and/or are available only for paid accounts (subscribers). |

## TEST APPROACH(S)

## It will be done only smoke testing to verify, that service returns weather data for most common requests. Tests will be consolidated into collections with the further ability to reproduce automatically.

## TEST PASS / FAIL CRITERIA

## Test item has passed if API request returns weather data and an HTTP-code according to API specification, listed at <https://openweathermap.org/api>.

## TEST ENTRY / EXIT CRITERIA

## Entry criteria - QC teammate must have registered account with unique API key.

## Exit criteria - 100% Test Scripts executed, minimum 95% pass rate of Test Scripts, no open Critical and High severity defects.

## TEST DELIVERABLES

## Test plan, Checklist, Test Report

## TEST TOOL

## API testing will be done with Postman tool.