Open Weather Map

Test Plan

1. Introduction

1.1. Purpose

The puprose of this document is to outline testing activities to be performed on Open Weather Map APIs.

2. Test strategy

2.1. Scope of testing

During current testing session only following sections of APIs available to Free plan user will be tested:

|  |  |  |
| --- | --- | --- |
| API section | Data received by a call | Limitations |
| Current weather API | Weather for one location, weather for several cities; calling weather by city name, by city id, by geographic coordinates, by zip code. |  |
| 5 days/3 hour forecast API | Calling weather by city name, by city id, by geographic coordinates, by zip code. |  |
| Weather maps API | Layers: clouds, precipitation, sea level pressure, wind speed, temperature, sattelite base map |  |
| UV index | Call current UV, forecast a UV for location, historical UV for location | Beta |
| Air pollution | Carbone Monoxide index for a location | Beta |
| Weather alerts | Create, view, delete triggers. View triggers history | Beta |

2.2. Test approaches

Functional tests will be performed for the current project, both manual and automated. Main scenarios checking correct API responses will be automated for smoke test run and will be available for future use, test screnarios with varying conditions and set of data will be checked manually.

2.3. Tools used

During testing various tools will be used for verifying the correct work of APIs:

* Manual testing: Chrome dev tools, Postman
* Automated testing: Frisbee.js + Jest frameworks, Node.js

3. Test exit criteria

Testing is finsihed after all the API sections and corresponding scenarious are checked and smoke test run is fully automated.