1. **Product details**

The application under test is <https://openweathermap.org/api> which helps to receive weather data via request.

The purpose of testing – testing of new and existed one functionality.

1. **Summary**

During testing QA team member found several major issues in the search by ZIP-code functionality – some cities may not be found by ZIP-code and some cities has 2 or more ZIP-codes at one time – one its own and second one – ZIP-code from other city.QA team recommended to fix this issue and updated databases with required data in further releases. By the way, user may use the search by another criteria – by ID, by coordinates, by name.

QA team member mention major issue that would nice to fix as soon as possible in the the Search functionality on the site - user may enter city name and receive several results that are actually leads to another cities pages.

Also the beta functionality Air Pollution is not ready to release and QA team recommended to postpone the release of the feature due to absence the required information in the databases when user may not receive the response by sending correct request.

1. **Environment and tools**.

Testing was performed on Chrome browser version 66.0.3359.181 and using Postman tool for request checking.

1. **Test approach and test details**.

The main type of testing used during testing process – functional testing of the API requests and exploratory testing on the site. Test design techniques used - Equivalence partitioning, Boundary values analysis, Decision table testing.

Main functionality for free user account was tested. Also tested the absence of the premium features for free account.

Please, see checklist in attachments.

1. **Time spent.**

The whole process took 7 hours:

* 5 hours for testing;
* 1 hour for checklist creation;
* 30 min for Test Plan creation;
* 30 min for Test Report creation

1. **Statistic**.

7 issues were found during testing:

* 5 issue during functional testing of API request;
* 2 issue for exploratory testing of the web site.

Link to bug reports: <https://docs.google.com/document/d/12s2DqKZdE2CLh9leNwBbEtm4b5W5gjI25dHYhywwcAk/edit>