# **Test Plan**

# **Introduction**

This test plan is aimed to describe the test process of the ‘OpenWeatherMap’ project according to the MAIN TASK of the “Dev Challenge 12” Championship (QA direction).

# **Test Items**

Searching for current weather within one location will be tested

# **Features to be tested**

Following features are planned to be tested within test item:

* Search by city name;
* Search by city name and country code;
* Search by ZIP code;
* Search by city ID;
* Search by geographic coordinates

# **Testing Approach**

* Exploratory testing and error guessing– will be used for requirement clarification and investigation;
* Functional testing – will be used according to existing documentation (described models and queries)

The server part of application will be tested with using of API that were provided by organizers. All the designed verifications and tests will be provided with manual and automating testing.

# **Entry Criteria:**

* The test environment must be ready and accessible;
* The needed requirements are provided;
* All testing executive artefact are ready

# **Exit Criteria:**

* All designed verifications and tests are run;
* All found defect are investigated and reported;

# **Test Deliverables**

After finishing the testing of the listed features following test deliverables will be provided:

* Test plan document;
* Test executive documentation – check list with results of test runs, end-to-end scenarios, defect reports;
* Summary report with corrective actions;
* Traceability matrix

# **Environmental Needs**

Following environment will be used during testing:

* OS Windows 10 Pro N, version 1709, build 16299.309
* Postman v.6.0.10