**RESULT PRESENTATION OF MAIN TASK**

During requirements investigation and exploratory testing of server part of the application I separated additional flows for better test coverage. So I decided to concentrate into the following areas of application – search the current weather within one location. And following features were tested:

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

Main focus was made into the testing of searching by city name and country code. For these areas positive and negative cases were created for validation (separate fields and the combinations of them). According to requirements the current weather can be searched with help of codes according to ISO 3166. This standard includes following elements:

* ISO 3166 -1;
* ISO 3166 alpha-2;
* ISO 3166 alpha-3;
* ISO 3166 numeric;
* ISO 3166-2
* ISO 3166-3

All the verifications that were based on analysis of boundary values and equivalence partitioning are related to requirements of all listed standards.

Verification of the field combinations was based on the decision table technic.

Verification for searching by Zip code was also based on the world standards related to Zip codes. And all mentioned technics were also used for these areas of functionality.

**CONCLUSION**

As a result of completing work you can find following documents:

* Test Plan;
* Test Report;
* Defect Reports;
* Traceability Matrix;
* Check list with results of test runs
* [Repository with created requests for testing;](https://github.com/QCBee/devchallenge.it-qa-2)
* Result Presentation Document