**Introduction**

Determining the basic approaches to testing a web application OpenWeatherMap that is used Big Data and geospatial technologies.

More information about product - <https://openweathermap.org/about>

[**Test Plan**](https://confluence.bmc.com/display/PAN/Integration+Service+-+18.08+Test+Plan) **#01**

**Project:** OpenWeatherMap

**Site:** <https://openweathermap.org>

**Owner:** Iuliia Zhdan

**Release:** Release 18.06

**Sprint:** 18.06\_1

**Risks**

* Issues with definition of right requirements:
* Networking issues:
* Incorrect definition of exit criteria
* Software crashes

**Goals**

* Perform AP testing;
* Perform documentation testing;
* Create Checklist for API testing;
* Provide Test Report according to the API testing.

[Test Plan](https://confluence.bmc.com/display/PAN/Integration+Service+-+18.08+Test+Plan)

**In Scope**

- API testing according to <https://openweathermap.org/api>

- Verification of API calls and API Documentation

**Entry / Exit Criteria**

**Entry Criteria:**

1. All test environments and test tools are ready and can be used
2. Test data / test documentation are available and can be used
3. Requirements, test goals are clear for testers

**Exit Criteria:**

1. More than 90% of all test scenarios from Checklist was passed
2. Test Report is ready and can be provide to stakeholders
3. Test time was finished

**Out Of Scope**

- UI testing

- Functional testing

- Security testing

- Performance testing

**Schedule and Estimations**

**Start date: 23.05.18 End date: 03.06.18**

1. Analyses and investigation all testing stuff:

start date: 23.05.18

end date: 24.05.18 Estimations – 1 day

1. Create Test Plan:

start date: 25.05.18

end date: 25.05.18 Estimations – 1 day

1. Create Checklist:

start date: 26.05.18

end date: 26.05.18 Estimations – 1 day

1. Testing:

start date: 27.05.18

end date: 01.06.18 Estimations – 5 days

1. Create Test Report:

start date: 02.06.18

end date: 02.06.18 Estimations – 1 day

1. Provide information about testing to Stockholders:

start date: 03.06.18

end date: 03.06.18 Estimations – 1 day

**People / Team**

QA Engineer: Iuliia Zhdan

**Tools**

**API:** REST, Postman, Restlet Client

**Source Version Control:** GitHub

**Other Tools:** Chrome Dev console

**Environments**

**Browser:**

Google Chrome (latest ver)

Mozilla Firefox (latest ver)

**OS:** Microsoft Windows 10+