1. **Introduction**

OpenWeatherMap.org is an online service made up of straightforward and user-friendly API sets for access to current weather data, forecasts and archives. It is also possible to visit website to find out about the weather in specific location. As the data source, it uses simulated climatic data, official meteorological services, data from airport weather stations and from private weather stations.

1. **Testing strategy**
   1. **Exploratory testing**

The purpose of this test is to make sure critical defects are removed before the next levels of testing can start. This exploratory testing is carried out in the application without any test scripts and documentation

* 1. **Functional testing**

Functional testing will be performed to check the functions of application. The functional testing is carried out by feeding the input and validates the output from the application. The test will be performed according to Functional scripts, created in Apache JMeter tool.

1. **Risks/assumptions**

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| --- | --- | --- |
| **Risk** | **Impact** | **Trigger** |
| Very little time for providing test services | Medium | Less test coverage |
| Luck of information about project | Medium | Misunderstanding of project functionality |

1. **Features to be tested**

* Authorization
* Registration
* Working with weather API
* Weather checking

1. **Features not to be tested**

|  |  |
| --- | --- |
| **Feature** | **Reason** |
| Subscription | Requires 3rd party (payment service) |

1. **Tools**

Tools required for providing test services:

|  |  |
| --- | --- |
| **Tool** | **License type** |
| Apache JMeter | Free |
| Fiddler | Free |
| LibreOffice | Free |

1. **Deliverables**

|  |  |
| --- | --- |
| **Deliverable** | **Date / Milestone** |
| Test plan | 30 May |
| Checklist | 30 May |
| Test Scripts | 30 May |
| Test report | 30 May |