1. **Purpose**

This document explains the various activities performed as part of testing of “OpenWeatherMap.org”.

1. **Application overview**

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 Scope**
   1. **In scope**

Functional Testing for the following modules are in Scope of Testing

* Authorization
* Registration
* Working with weather API
* Weather checking
  1. **Out of scope**

Functional Testing of subscription and Performance Testing were not done for this application.

1. **Result metrics**

Number of executed test cases – 15

Number of passed test cases – 14

Number of failed test cases – 1

Number of defects identified – 1

1. **Tools**

Tools used during testing activities:

|  |  |
| --- | --- |
| **Tool** | **Purpose** |
| Apache JMeter | Scripts automatization |
| Fiddler | Recording and understanding application requests |
| LibreOffice | Creating test documentation |

1. **Conclusion**

Overall, this application is accepted to ‘Go Live’. It has some minor issues, but they not really affect end user. Some front-end improvements can also be done. All test cases where automized and ready to run at any time.