Testplan

Requirements

What should be tested and how

At first the testers will perform exploratory testing and then there will be manual test-cases written. They should cover most of the requirements stated and the given use cases. There are also existing automated tests that will be evaluated to be relevant or not. We will also manually check the coverage for the automated tests.

The following requirements and use cases should be tested:
- Req 1. The web server should be responsive under high load.
- Req 2. The web server must follow minimum requirements for HTTP 1.1
- Req 3. The web server must work on Linux, Mac, Windows*.
- Req 4. The source code should be released under GPL-2.0.
- Req 5. The access log should be viewable from a text editor.

We will also perform tests for the given use-cases 1,2 and 3.

What should not be tested

The Testers only have Windows operating system available so Linux and Mac testing will not be tested in this iteration, also this will not be a priority for SDC due to the fact that the software is meant for IoT.

Unfortunately IoT will not be tested due to lack of resources for this iteration, if the other testing is evaluated to sufficient, the testers will continue with testing for IoT in the next iteration.

The Use case 3 alternative scenario 2d (internal error 500) will not be tested, this is because it will be time consuming and therefore not considered necessary for this iteration.

Test levels

The tests that will be written are going to be manual tests. Unit testing will be performed through running the already existing unit tests. System testing will also be performed to make sure the system works as intended.

Task list

Name of tester	Use case / Requirement	Test case
Tester one	UC1 / Req.3	1.1
Tester two	UC1 / Req.3	1.2
Tester one	UC1	1.3
Tester two	UC1	1.4
Tester one	UC1	1.5
Tester two	UC2	2.1
Tester one	UC3 / Req.2	3.1
Tester two	UC3 / Req.2	3.2
Tester one	UC3 / Req.2	3.3
Tester two	UC3 / Req.2	3.4
Tester one	N/A / Req.1	4.1
Tester two	N/A / Req.1	4.2
Tester one	N/A / Req.5	5.1
Tester two	N/A / Req.4	6.1