

# Test Report

## **1. Introduction:**

In this report, the results of the tests that have been conducted before will be shown. This is done to show which of these tests have passed and which of them have failed. Adding to that, an explanation on why some of the tests were not provided by the test cases before will be explained in the last section of this test report.

## **2. Test Results :**

Test Case	Pass / Fail
TC1.1: The Server start-up fails when providing only the socket port number	Pass
TC1.2: The Server start-up fails when providing only the resource container	Pass
TC1.3: The Server start-up fails when providing taken socket port number	Fail
TC1.4: Successful Server start-up with the correct port number and the correct resource container	Pass
TC2: Server Stop successfully	Pass
TC3: Server startup fails when shared resource is missing	Fail
TC4: The web server is responsive under high load.	Pass
TC5: The web server follows minimum requirements for HTTP 1.1	Pass
TC6: The web server works on Linux, Mac, Windows.	All Pass
TC7: The source code is released under GPL-2.0.	Pass
TC8: The access log should be viewable from a text editor.	Pass

## **3. Reviews**

After reviewing the testing results, the project seems to fulfill most of the recommended requirements. It supports valid and invalid inputs, easy to configure and can be used on a wide range of devices while giving the appropriate errors and exceptions when needed. However, some of case have not been tested due to the lack of time and resources for this project. Some of these cases that have not been tested are:

- The server should give 404 Not Found
- The server should give 403 Forbidden
- The server should give 400 Bad Request
- Testing the server on all windows machines. This test was not done partially because, not all operating systems are relevant to what needs to be tested.