

Test Report

For “My web server”

Supervisor: Daniel Toll

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Course code: 2DV610



1. Introduction

1.1 Purpose

The purpose of the Test Report is to give the test result and summarize the results of the testing.

2. Unit test

Test	Executed test	passed test	failed test
Total	100%	100%	0.0%

3. Integration Test

Test	Executed test	passed	failed test
Total	100%	66.7%	33.3%

Both operating systems all failed the test“Socket Client Test”. Since tester lack of some experience at Java, so we don’t know why it’s failed.

4. Business Cycle Test

“My Web Server” licence was GPL-2.0.

5. Manual Test

5.1 Start Server

when the administrator provides a right socket port and shared resource container as the program arguments, the servers run as an expert. Otherwise, it failed and it won’t presents an error message

5.2 Stop Server

when the administrator input “stop” to console, the servers stop at the expert. But when the administrator input “stop” to the address line will get “404 error”.

5.3 Access Log

A not in the access log wasn’t written, whatever start the server or stop the server. When we searching the whole “My Web Server” folder, we cannot find it. That’s why also the access log cannot viewable from the text editor.

5.4 HTTP 1.1 Test

The error status 200, 404, 403 was passed. But the status 400 failed.

5.5 Load Test

When the sample user set as 1100 and in 2 seconds, it passes the test. The average user was 6316, maximum was 13935. After that set sample user as 2000/2500, it gets the error.

5.6 Stress Test

When the sample user set as 900 and in 2 seconds, it passes the test. The average user was 2486, maximum was 7195. After that set sample user as 1200, it gets the error.

6. Conclusion

In our team's opinion, we do not think "My Web Server" fulfil all the requirements that SDC has provided.

First, My Web Server has a lot of flaws and this system does not meet the use cases at the requirements.

Second, missing access log and it does not fully support HTTP 1.1. The requirements for HTTP 1.1 are specified in the requirements.

In conclusion, although there are many problems with this program that can be solved, it takes a lot of time and effort to maintain.