

# Test-report

This report reflects the test results made both automated and manually on “My Web Sever”.

## Manual testing results

In this paragraph, the test results for the manual testing will be presented in a table below.

Note that if a requirement was not tested, the “status” field will be set to “failed”.

Manual test results			
Test ID	Test description	Status	Test execution
Test case 1.1	Taken socket	Pass	Expected: “Port is taken” text shows Result: “Port is taken” text shows
Test case 1.2	Shared resource access	Failure	Expected: “No access to folder XX” Result: no error message is shown, the system stops working
Test case 1.3	Start server	Pass	Expected: The server starts Result: The server started as expected
Test case 1.4	Stop server	Pass	Expected: Server stop Result: The server stops as expected
Test case 1.5	Request shared resource	Pass	Expected: HTTP 200 response from server Result: HTTP 200 response from server
Test case 1.6	404 NOT FOUND	Pass	Expected: “404 NOT FOUND” Result: “404 NOT FOUND”
Test case 1.7	403 FORBIDDEN	Pass	Expected: “403 FORBIDDEN” Result: “403 FORBIDDEN”
Test case 1.8	405 METHOD NOT SUPPORTED	Pass	Expected: “405 METHOD NOT SUPPORTED” Result: “405 METHOD NOT SUPPORTED”
Test case 1.9	500 INTERNAL SERVER ERROR	Failed	Expected: “500 INTERNAL SERVER ERROR” Result: no error message due to it is not implemented in the source code

Req. 1	High load	Failed	Due to resource limitation (time/member), the requirement could not be tested
Req. 3	Multiplatform	Failed	Due to resource limitation (hardware/software), the requirement could not be tested
Req. 4	GPL-2.0	Failed	The source code does not have a GPL-2.0 license, it has a MIT license. Although, according to GNU.org, MIT license could be relicensed to a GPL-2.0, but it is still not the same. Therefore, the outcome counted as a failure.
Req. 5	Access log viewable in text editor	Failed	Due to resource limitation (time/software tester), the requirement could not be tested

## Automated test results

The source code came with a test suit which got run on inteliJ. The results detected a single failure on the integration, but all the other tests came out as successful tests. The test suit had almost complete coverage over the whole source code, which is good enough and it is also easy to fix in the next iteration.

## Conclusion

The majority of the requirements for “My Web Server” that has been tested is fulfilled. A few things are suggested to change such as the license type of the source cod from HIT to GPL-2.0 and also add implement “HTTP 500 INTERNAL SERVER ERROR” and other so fully fulfill the minimal requirements for HTTP 1.1. If the rest of the code is as well put together as the part we tested so far, it is suggested to further investigation in the source code.

NOTE! The rest of the code/requirements could be a failure which would change the suggestion for further investigation. More resource (time/software tester) would be needed for a proper conclusion

