



Report

Test Report



December 21, 2017

Author: Anonymous

Term: HT 2017

Course: 2DV610 - Software Testing

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1 Licence Compatibility

Requirement 4: The server should be released under GPL-2.0

MyWebServer has previously been released under MIT which is compatible with GPL-2.0 and it should not cause any complications¹. However, to avoid release complications the server should be distributed with *OpenJDK* which is licensed under GPL-2.0². The server executable should also be striped of *JUnit 4.12* which is licensed under ELC and is therefore not compatible with GPL-2.0^{3 4}. It would also be preferred to remove *Mockito* from the executable even if it's released under MIT which is compatible with GPL-2.0.

2 Traceability Matrix

Requirement Matrix							
Requirement Identifiers	Reqs Tested	Req. 1	Req. 2	Req. 3	Req. 5	Informal Req. 1	Informal Req. 2
Test Cases	38	1	4	16	3	10	4
1.1	2			X		X	
1.2	3			X		X	X
1.3	3			X	X	X	
1.4	2			X		X	
2.1	2			X		X	
2.2	3			X	X	X	
3.1	2		X	X			
3.2	2		X	X			
3.3	2		X	X			
3.4	2		X	X			
4.1	4	X		X		X	X
5.1	3			X	X	X	
6.1	2			X		X	
6.2	2			X		X	
7.1	2			X			X
7.2	2			X			X

¹<https://www.gnu.org/licenses/license-list.en.html#Expat>

²<http://openjdk.java.net/legal/gplv2+ce.html>

³<http://junit.org/junit4/license.html>

⁴<https://www.gnu.org/licenses/license-list.en.html#EPL>

3 Test Cases - Result

✓ = Pass, ✗ = Fail

Test Case	OS	Expected Output	Actual Output	Date	Pass
1.1	Mac	Unable to connect Socket 80 was taken	As expected Port is taken	21/12 21/12	✓ ✗
	Linux	Unable to connect Socket 80 was taken	As expected Port is taken	21/12 21/12	✓ ✗
1.2	Mac	No access to folder /var/root/	HTTP Server Started	21/12	✗
	Linux	No access too folder /root/	HTTP Server Started	21/12	✗
1.3	Mac	Cannot write to server log file log.txt	HTTP Server Started	21/12	✗
	Linux	Cannot write to server log file log.txt	HTTP Server Started	21/12	✗
1.4	Mac	HTTP Server Started It Works	As expected As expected	21/12 21/12	✓ ✓
	Linux	HTTP Server Started It Works	As expected As expected	21/12 21/12	✓ ✓
2.1	Mac	Unable to connect	As expected	21/12	✓
	Linux	Unable to connect	As expected	21/12	✓
2.2	Mac	HTTP Server stopped written in access log	Only written in console	21/12	✗
	Linux	HTTP Server stopped written in access log	Only written in console	21/12	✗
3.1	Mac	Response Code 200	As expected	21/12	✓
	Linux	Response Code 200	As expected	21/12	✓
3.2	Mac	Response Code 404	As expected	21/12	✓
	Linux	Response Code 404	As expected	21/12	✓
3.3	Mac	Response Code 403	As expected	21/12	✓
	Linux	Response Code 403	As expected	21/12	✓
3.4	Mac	Response Code 400	As expected	21/12	✓
	Linux	Response Code 400	As expected	21/12	✓
4.1	Mac	Response time <2000	127 ms	21/12	✓
	Linux	Response time <2000	87 ms	21/12	✓
5.1	Mac	Clientthread <nr> served file : works.png	Only written in console	21/12	✗
	Linux	Clientthread <nr> served file : works.png	Only written in console	21/12	✗

Test Case	OS	Expected Output	Actual Output	Date	Pass
6.1	Mac	Enter a valid port 1-65 535 and a optional URL	As expected	21/12	✓
	Linux	Enter a valid port 1-65 535 and a optional URL	As expected	21/12	✓
6.2	Mac	<i>See fig. 1</i>	Enter a valid port 1-65 535 and a optional URL	21/12	✗
	Linux	<i>See fig. 1</i>	Enter a valid port 1-65 535 and a optional URL	21/12	✗
7.1	Mac	It Works	Safari could not open page	21/12	✗
	Linux	It Works	Secure connection failed	21/12	✗
7.2	Mac	Response Code 405	As expected	21/12	✓
	Linux	Response Code 405	As expected	21/12	✓

MyWebServer

To start the server enter `java -jar MyWebServer.jar <Port> <Shared Resource>`

The Port need to be 1-65 535 and unused

The user who starts the server needs to have read-access to the shared resource

Licence: GPL-2.0

2017 Software Development Company (SDC)

Figure 1: Help screen