



Linnéuniversitetet
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Test case

For “My web server”

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Course code: 2DV610



Start Server

Test Case ID: 1

Description: in order to test open the website "localhost:1091"

Pre-conditions:

Post-conditions:

Step	Test Steps	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	System asks for socket port number(1091) and shared resource container				
2	The administrator provides a socket port number and a shared resource container				
3	open website "localhost:1091"	successful open	successful open	Mac: pass Windows: pass	

Access Log written when server started

Test Case ID: 2

Description: when a request with information sent to the server, access logs will written

Pre-conditions: The web server has been started

Post-conditions:

Step	Test Steps	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1.	Access the shared resource	The message was successfully written to the access log	Access log no record	Mac: Fail Windows: Fail	

Stop Server

Test Case ID: 3

Description: test stop server

Pre-conditions: The web server has been started

Post-conditions:

Step	Test Steps	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	input "stop" into to console/address line	the server stop	the server stop	Mac: partly pass Windows: partly pass	

Access Log written when server was stopped

Test Case ID: 4

Description: A note in the access log was written, that the server was stopped

Pre-conditions: The web server has been started

Post-conditions:

Step	Test Steps	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	input "stop" into to console				
2	open "access log"	A note in the access log was written	fail to document	Mac: Fail Windows: Fail	

Access Log viewable from a text editor

Test Case ID: 5

Description: open access log using text editor

Pre-conditions: The web server has been started

Post-conditions:

Step	Test Steps	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1.	open access log using text editor	successful open	Fail	Mac: Fail Windows: Fail	

HTTP 1.1 Status 200

Test Case ID: 6

Description: The web server are able to send a response with status 200.

Pre-conditions: The web server has been started, download and open JMeter

Post-conditions:

Step	Test Steps	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	Input server name and port name at JMeter				
2	Save and run test	sample result will return 200 OK	return 200 OK	Mac: Pass Windows: Pass	

HTTP 1.1 Status 404

Test Case ID: 7

Description: The web server are able to send a response with status 404.

Pre-conditions: The web server has been started, download and open JMeter

Post-conditions:

Step	Test Steps	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	Input server name and port name at JMeter				
2	Input HTTP request Get: "text.txt"				
3	Save and run test	sample result will return 404 NOT FOUND	return 404 NOT FOUND	Mac: Pass Windows: Pass	

HTTP 1.1 Status 403

Test Case ID: 8

Description: The web server are able to send a response with status 403.

Pre-conditions: The web server has been started, download and open JMeter

Post-conditions:

Step	Test Steps	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	Input server name and port name at JMeter				
2	Input HTTP request Get: "../secret.html"				
3	Save and run test	sample result will return 403 Forbidden	return 403 Forbidden	Mac: Pass Windows: Pass	

HTTP 1.1 Status 400

Test Case ID: 9

Description: The web server are able to send a response with status 400.

Pre-conditions: The web server has been started, download and open JMeter

Post-conditions:

Step	Test Steps	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	Input server name and port name at JMeter				
2	Input HTTP request Get: "%"				
3	Save and run test	sample result will return 400 Bad request	Non HTTP response code: java.net.URISynt axException	Mac: Fail Windows: Fail	

Load Test

Test Case ID: 10

Description: check response under high load

Pre-conditions: The web server has been started, download and open JMeter

Post-conditions:

Step	Test Steps	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	Input server name and port name at JMeter				
2	set samples to 2500/2000/1100, 2 seconds				
3	save and run	get 0% error	2500: get error 2000: get error 1100: 0.00% error	Mac: partly pass Windows: partly pass	

Stress Test

Test Case ID: 11

Description: check if web server can work on high load

Pre-conditions: The web server has been started, download and open JMeter

Step	Test Steps	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	Input server name and port name at JMeter				
2	set loop for 100, set samples to 1200/900, 2 seconds				
3	save and run	get 0% error	1200: get error 900: 0% error	Mac: partly pass Windows: partly pass	