Performance Test Report – JMeter

Test Objective: Measure performance under load.

Tested Endpoints: Home page, What's New page.

User Load Levels: 100 and 200 concurrent users

Test Environment:

Tool Version: JMeter 5.6.3

Tool Used: Apache JMeter

System Under Test (SUT): https://magento.softwaretestingboard.com

Network Conditions: Localhost

Execution Mode: GUI Mode (using JMeter interface)

Test Scenarios:

Scenario 1 - Home Page

URL: /

• Thread Groups: 100 and 200 users

Scenario 2 – What's New Page

• URL: /what-is-new.html

• Thread Groups: 100 and 200 users

Results:

The following results were obtained using the listener, aggregation report.

Response time comparison [ms]:

Label	Users	Average Response Time (ms)		
Home Page	100	13178		

Home Page	200	12133		
What's New Page	100	4361		
What's New Page	200	5409		

Observation:

Response time increases as user load increases, which is expected due to higher resource usage.

Throughput Comparison [resquests/sec]:

Label	Users	Throughput (requests/sec)		
Home Page	100	3.30109		
Home Page	200	6.595		
What's New Page	100	3.39685		
What's New Page	200	6.76247		

Observation:

Throughput increased with more users. System handled more requests per second under load.

Error Percentage [%]:

Label	Users	Error %		
Home Page	100	0		
Home Page	200	0		
What's New Page	100	43.00		

What's New Page	200	37.00
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Observation:

No errors observed (0.00%) at the Home page.

Highest error at 100 loads at What's New page.

Conclusion:

The system is stable under moderate load (100 users).

At 200 users, response times increase but remain within acceptable levels.

Major errors appeared under stress for What's New page.

Overall performance is satisfactory for expected usage.

Attachments:

# Samples	Average		Median	90% Line	95% Line	99% Line	Min	Max	Error %	Throughput	Received KB/	Sent KB/sec	Aggregation for
100	ı	13178	11408	26321	28411	29318	880	2980	4 0.009	3.30109	321.33	0.87	Aggregation home 100 load
200	1	12133	10124	25544	27953	29783	749	2998	0.009	6.595	641.97	1.74	Aggregation home 200 load
100		4361	580	13994	18326	21976	267	7 2248	0 43.009	3.39685	197.99	1	. Aggregation wha'ts new 100 load
200		5409	782	17943	20032	23253	275	2597	3 37.009	6.76247	434.14	1.99	Aggregation wha'ts new 200 load