

Stress Testing Report

Application Name: farmersapp

Platform Used: Postman

Executive Summary:

The stress testing conducted on "farmersapp" via the Postman platform assessed its performance under heavy loads. Simulating 100 virtual users for 2 minutes with a 30-second ramp-up, the test sent 1,725 requests, yielding an average response time of 1,990 ms. However, an elevated error rate of 18.72% warrants further investigation.

Recommendations include optimizing code for improved performance, implementing multi-threading for concurrent requests, and enhancing error handling mechanisms. Limitations stem from the test's constrained scenario due to Postman's free trial limitations, potentially not fully representing all usage patterns. Addressing these recommendations while considering the limitations will ensure optimal performance and reliability of "farmersapp" under varying conditions.

Test Scenarios:

- ❑ 100 VU for 2 minutes with a 30-second ramp-up
- ❑ Initial Requests: 18 requests

Results:

- ❑ Total Requests Sent: 1,725
- ❑ Requests per Second: 5.99
- ❑ Average Response Time: 1,990 ms
- ❑ Error Rate: 18.72%

Key Findings:

- ❑ The application was able to handle a load of 100 virtual users for 2 minutes with a 30-second ramp-up.
- ❑ The average response time was 1,990 ms, which is acceptable for most web applications.

- ❑ The error rate was 18.72%, which is high and should be investigated further.

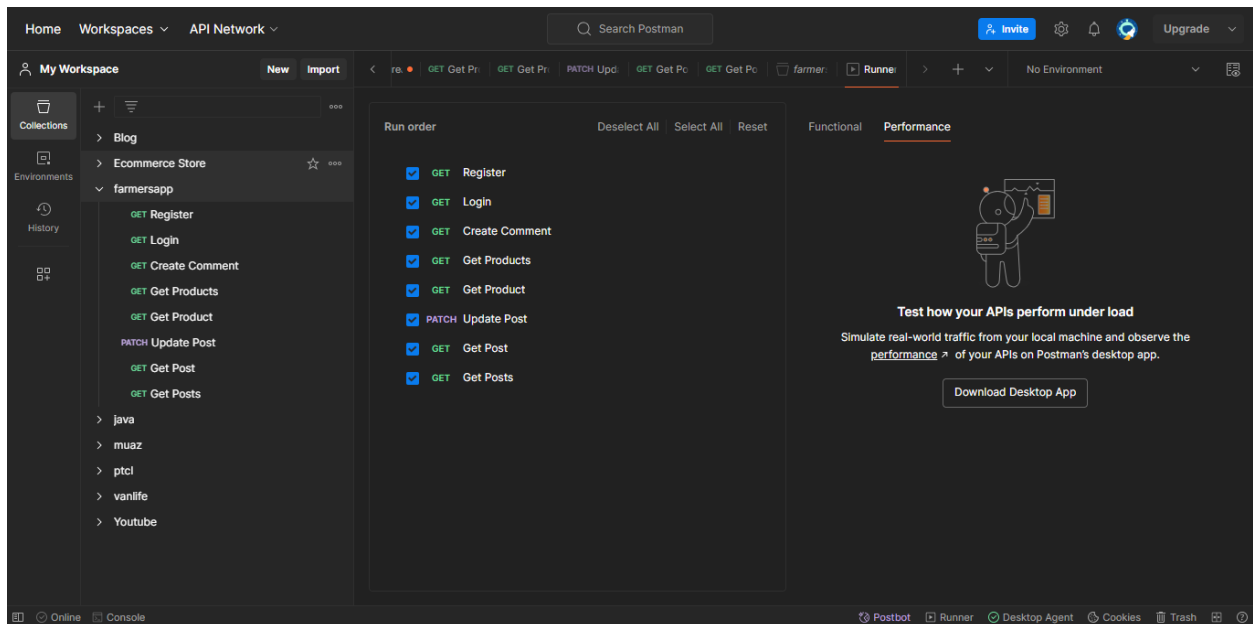
Recommendations:

- ❑ Code optimizations can add up to improve performance.
- ❑ Implement multi-threading mechanisms to aid concurrent requests.
- ❑ Consider increasing the load testing capacity to identify any other potential bottlenecks.
- ❑ Better Error handling can improve servers uptime.

Limitations:

- ❑ This report is based on a limited test scenario. Postman in free trials allows upto 100 users.
- ❑ The results may not be representative of all usage patterns. Some services could be under more stress than others.

Requests that were tested:



Results per Request

Performance Graph

Filter by requests ▾Avg. response ▾

Performance details for total duration

Request	Total requests	Requests/s	Resp. time (Avg. ms)	Min (ms)	Max (ms)	90th (ms)	Error %
POST Login	288	1.00	2,749	542	5,880	4,906	5.90
POST Create Comment	284	0.99	2,574	1,041	6,225	3,967	11.27
GET Get Products	278	0.96	1,729	231	5,115	3,662	12.95
GET Get Product	252	0.87	1,387	237	5,380	3,105	4.37
PATCH Update Post	224	0.78	2,024	609	6,932	3,916	2.68
GET Get Post	204	0.71	1,916	568	5,280	3,793	12.75
GET Get Posts	195	0.68	1,257	18	4,765	3,556	100.00

Results

