Performance Testing Report

Executive Summary

Tested URLs:

- https://www.neu.edu.tr

- https://www.neu.edu.tr/not-found

- https://www.neu.edu.tr/timeout

- https://www.neu.edu.tr/error

- http://invalid.local

- http://timeout.test

Report Generated: 2025-05-26 15:56:38

Test Overview:
- Total Requests: 506
- Overall Success Rate: 100.0%
- Average Response Time: 7.338 seconds
- 95th Percentile Response Time: 10.003 seconds
- Test Types: Load Test (1 users), Load Test (5 users), Load Test (10 users), Load Test (20 users), Failure Injection, Rate Limit Test, Stability Test
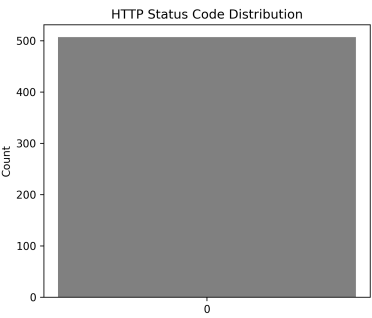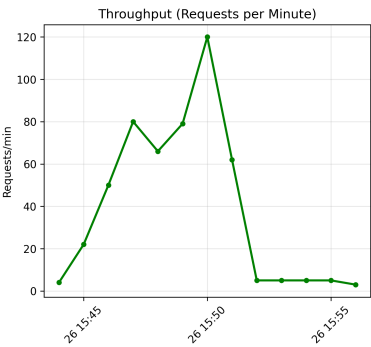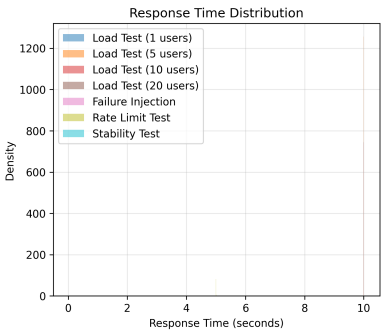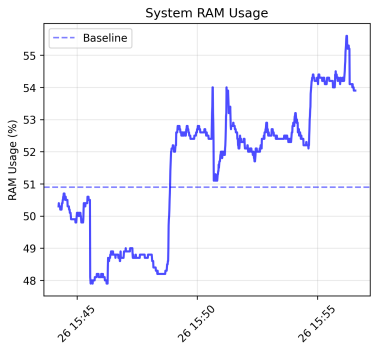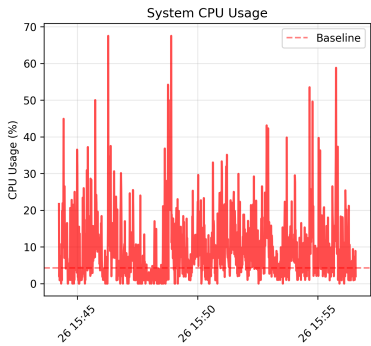
System Performance:
- Baseline CPU: 4.2%
- Baseline RAM: 50.9%

Key Insights:

- Load Test (1 users): Consistent response times (CV=0.00)
- Load Test (1 users): Reliability concerns (0.0%)
- Load Test (5 users): Consistent response times (CV=0.00)
- Load Test (5 users): Reliability concerns (0.0%)
- Load Test (10 users): Consistent response times (CV=0.00)
- Load Test (10 users): Reliability concerns (0.0%)
- Load Test (20 users): Consistent response times (CV=0.00)
- Load Test (20 users): Reliability concerns (0.0%)

Performance Testing Report

Response Time Over Time

Legend:
- Load Test (1 users)
- Load Test (5 users)
- Load Test (10 users)
- Load Test (20 users)
- Failure Injection
- Rate Limit Test
- Stability Test

Success Rate by Test Type

Error Type Distribution

connection_error 1.2%
timeout 98.8%

System CPU Usage

System RAM Usage

Response Time Distribution

Throughput (Requests per Minute)

HTTP Status Code Distribution
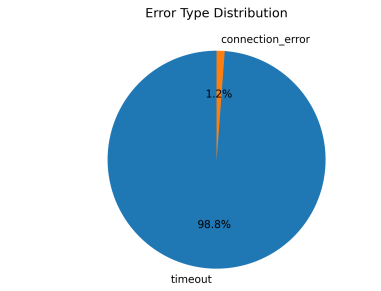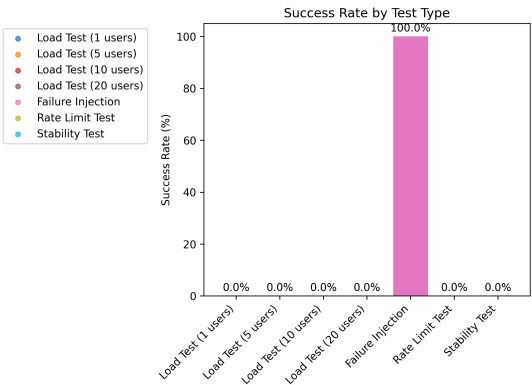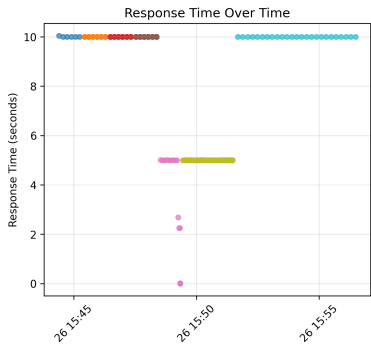
Performance Summary

Test Type	Total	Success%	Avg Time	P95 Time
Load Test (1 us	6	0.0%	10.009s	10.032s
Load Test (5 us	30	0.0%	10.001s	10.003s
Load Test (10 u	60	0.0%	10.001s	10.003s
Load Test (20 u	120	0.0%	10.001s	10.004s
Failure Injecti	15	100.0%	3.482s	5.005s
Rate Limit Test	250	0.0%	5.002s	5.004s
Stability Test	25	0.0%	10.002s	10.005s

Performance Testing Report

Detailed Test Results

Test Type	Requests	Success Rate	Avg Time	P95 Time	Throughput
Load Test (1 users)	6	0.0%	10.009	10.032	0.12
Load Test (5 users)	30	0.0%	10.001	10.003	0.59
Load Test (10 users)	60	0.0%	10.001	10.003	1.19
Load Test (20 users)	120	0.0%	10.001	10.004	2.37
Failure Injection	15	nan%	3.482	5.005	0.32
Rate Limit Test	250	0.0%	5.002	5.004	2.08
Stability Test	25	0.0%	10.002	10.005	0.09

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Analysis and Recommendations

Load Test (1 users):

 - Consider performance optimization - P95 response time exceeds 2 seconds

- Rel

Load Test (5 users):

 - Consider performance optimization - P95 response time exceeds 2 seconds

- Rel

Load Test (10 users):

 - Consider performance optimization - P95 response time exceeds 2 seconds

- Rel

Load Test (20 users):

 - Consider performance optimization - P95 response time exceeds 2 seconds

- Rel

Failure Injection:

 - Excellent error handling - 100.0% of failures properly detected

Rate Limit Test:

 - No rate limiting detected - consider implementing rate limits for DDoS protection

Stability Test:

 - Stable performance over extended period

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