**Performance Test Report - WebstaurantStore Code Screen Task**

A screenshot of a computer

Description automatically generated

**Summary**

The performance test, a resounding success, consisted of four requests: `T01\_View Scratch and Dent Outlet`, and `T02\_Click a product. The total number of samples executed was 558, with no failures, resulting in a flawless 0.00% error rate.

**Request-Specific Performance**

1. T01\_View Scratch and Dent Outlet

- Samples: 279

- Failures: 0

- Error Percentage: 0.00%

- Average Response Time: 919.32 ms

- Min Response Time: 744 ms

- Max Response Time: 2898 ms

- Median Response Time: 877.00 ms

- 90th Percentile: 1061.00 ms

- 95th Percentile: 1192.00 ms

- 99th Percentile: 2006.60 ms

- Throughput: 0.31 transactions/sec

- Network Received: 485.85 KB/sec

- Network Sent: 0.19 KB/sec

2. T02\_Click a product

- Samples: 279

- Failures: 0

- Error Percentage: 0.00%

- Average Response Time: 310.19 ms

- Min Response Time: 0 ms

- Max Response Time: 690 ms

- Median Response Time: 301.00 ms

- 90th Percentile: 429.00 ms

- 95th Percentile: 462.00 ms

- 99th Percentile: 587.80 ms

- Throughput: 0.31 transactions/sec

- Network Received: 88.43 KB/sec

- Network Sent: 0.27 KB/sec

**Observations**

- All requests had a 0.00% error rate, indicating a highly reliable performance.

- `T02\_Click a product` had significantly lower response times than the other two, indicating that these actions are faster.

- Throughput across all requests was consistent at 0.31 transactions/sec, except for the overall throughput, which was slightly higher at 0.62 transactions/sec.

- The network traffic received was significantly higher for the `T01\_View Scratch and Dent Outlet` and `www.webstaurantstore.com` requests than the other two.

**Recommendations**

- Optimization: Further optimization can reduce the response time for `T01\_View Scratch and Dent Outlet', as it is significantly higher than the other requests.

Load Distribution: The system should ensure that the load is evenly distributed to maintain consistent response times and throughput.

- Monitoring: Continuous monitoring should ensure the response times do not degrade over time, especially for high-traffic actions like viewing the scratch and dent outlet.

**Conclusion**

The performance test results are satisfactory, with no failures and consistent throughput. However, there are areas for improvement in response times for certain actions, which can enhance overall performance and user experience.