## Executive summary

## The primary aim of this performance test is to evaluate the responsiveness and reliability of individual product pages hosted within the "WebstaurantStore Scratch and Dent Outlet" category. This performance assessment will enable us to identify any potential bottlenecks or performance issues, allowing for timely adjustments and enhancements to ensure that the platform delivers an optimal browsing and purchasing journey for our customers.

## Introduction

There was no specialized data required for this test. All items were randomly corraleted from the site using the productid. The goal is to find the response time of the product pages with a load of 5 TPM for 15 minutes. The users are accessing the site directly from the “Scratch and Dent Outlet “ link.

## performance metrics

A screenshot of a computer

Description automatically generated

A graph with numbers and lines

Description automatically generated

A graph with different colored lines

Description automatically generated

A graph with numbers and a line

Description automatically generated

## performance insights and analysis

With the short test run and low throughput, I was able to gather some data the gives some insight on our application. The “/outlet.html” call is our highest response time. It brings all the partnumbers for the given page which causes it to give a 1.3 second response time.

There are also repeated calls that are made to complete the product page load. Removing duplicate calls will increase response times.  
  
Overall the Products Page was completed in 7.5 seconds which is high for a transaction, but the customer seeing the page after clicking it was roughly 3-4 seconds. More testing and analysis would be needed to confirm. This was based on manual testing while the test was running.

## recommendations

There are no KPI response times given for the example testing. Based on my expertise I would begin look to start by reducing the amount of duplicate calls we make to the system for performance improvement and look to see if there is a better way to call the data in the /outlet.html call.

## conclusion

Based on this testing, we can comfortably maintain 5 TPM on our products page without any issue.