**Project Overview:**

The purpose of this document is to outline the requirements for conducting performance testing on the website: <https://practice.expandtesting.com/login?authuser=0>. The objective is to evaluate the performance, responsiveness, and scalability of the platform under various loads.

**1. Introduction:**

The website under test is a login page for a hypothetical application. Performance testing aims to ensure that the login functionality performs optimally under expected and peak loads. The key metrics to be evaluated include response time, throughput, and resource utilization**.**

**2. Scope:**

Performance testing will focus on the following aspects:

* Load Testing: Assessing the system's behavior under expected and peak loads.
* Stress Testing: Determining the system's stability under extreme loads.
* Scalability Testing: Evaluating the system's ability to handle increased user loads by adding resources.
* Response Time Testing: Measuring the time taken to complete various operations.
* Resource Utilization: Monitoring server resources such as CPU, memory, and disk usage during testing.