# Performance Test for Magento Website

There are different types of Performance Testing. Some of the types are:  
  
Load Testing: Testing your application under expected load.

Stress Testing: Testing your application under a very high load.

Spike Testing: Testing your application under a sudden load.

Soak Testing: Testing your application under a long-term high load.

Scalability Testing: Testing the scaling capabilities of a server when the load increases beyond the threshold

1. The homepage should be tested with a Load Testing script to measure load time with high concurrent users.
2. All different APIs, Search API, Product Listing API, Cart listing API, etc, should be tested under Load, Stress, and Spike testing scripts.
3. Search results and suggestions api should be tested for a specific response time threshold.
4. For the Product Listing Page, we should test the Pagination speed, filtering, and sorting under load, and sorting response time validation.
5. We should be testing static asset loading (images, CSS, JS) under stress.
6. We can test scalability with increased application usage and a high concurrent users load.
7. Payment Methods should be tested with Stress testing scripts so that they don’t fail when many users are trying to check out.