Performance Test Scenarios

The most critical areas to test include product search, cart performance, and checkout speed. Performance tests should simulate real-world scenarios like high user loads, peak sale events, and large-scale orders to ensure Magento handles heavy traffic smoothly.

1. **Search & Filtering Performance**

Customers often use search and filters to find products.

Test Scenario: How quickly product results appear when searching for common and uncommon products.

2. **Add to Cart & Cart Management**

Delays in adding or updating the cart can cause frustration.

Test Scenario: Simulate adding/removing multiple items and check response time.

3. **Checkout Process Performance**

Checkout speed directly impacts conversion rates.

Test Scenario: Test checkout under load (e.g., 50, 100, 500 simultaneous checkouts).

4. **Payment Processing Speed**

Payment gateway response time is crucial for successful transactions.

Test Scenario: Test transaction time with different payment methods such as credit card, e-gifts cards, vouchers etc.

5. **Concurrency Test for Multiple Users**

High traffic during sales or promotions can slow down the site.

Test Scenario: Simulate 500, 1000 or more concurrent users browsing, adding items, and checking out.