

Performance Test Focus: Checkout and Order Placement Flow

If I had to design a performance test for <https://demowebshop.tricentis.com>, I would focus on the Checkout flow (Add to Cart → Checkout → Place Order).

Why this area?

This is the most business-critical part of the website.

Any slowdown or failure here directly impacts revenue and user trust.

Checkout also involves multiple backend systems like cart handling, user session, payment processing, and order creation, which makes it the most risk-prone under load.

Test Scenarios

1. Users browsing product categories and product details
2. Users searching for products
3. Users adding products to cart and updating quantities
4. Users completing checkout and placing orders (main focus)
5. Users viewing order history after placing an order

Testing Approach

I would start with a baseline test to understand normal response times.

Then I would run:

- Load test to simulate normal user traffic
- Stress test to find system limits
- Spike test to simulate sudden traffic increase
- Soak test to check stability over time

I would use realistic user behavior with proper think time between actions.

Key Parameters

- Gradual ramp-up of virtual users
- Realistic user mix (more browsing, fewer checkouts)
- Response time SLAs (checkout should remain within acceptable limits)
- Error rate monitoring (no increase in 5xx errors)
- Throughput and response time percentiles (p95)

Success Criteria

- Checkout remains responsive under load
- Orders are created successfully without errors
- No significant increase in response time or failures