

# **Test Strategy for Demo Ecommerce Website**

**Objective** The objective is to test the end-to-end functionality, usability and performance of the ecommerce website and ensure it meets the business and technical requirements.

## **Scope**

- All customer workflows
- search, browse, add to cart, checkout, payments
- Account registration and management
- Order management and tracking
- Integration with payment gateways
- Admin module and workflows
- Web and mobile site
- Out of scope:
  - Physical fulfillment of orders
  - 3rd party integrations not related to core functionality

## **Focus Areas**

- Functional correctness of flows
- UI/navigation
- Performance
  - load, stress and scalability
- Security
  - vulnerabilities, encryption
- Compatibility
  - browsers, devices, OS
- Usability - ease of use, accessibility

## **Approach**

- Black box and white box testing techniques
- Automated test cases using Selenium and Appium
- Exploratory testing for key workflows
- Load testing with JMeter for at least 1000 concurrent users
- Security testing for OWASP Top 10 vulnerabilities.
- Cross browser compatibility testing on Edge, Chrome, Firefox
- Ease of use evaluation with at least 10 end users.

## Deliverables

- Functional test cases and reports
- Performance test scripts and results
- Security vulnerabilities report
- User acceptance testing report
- Test coverage and defect reports
- Automation regression suite

## Team & Schedule Testing

- team of 5 members needed for 4 months testing effort Proposed schedule:
  - Aug: Functional and security testing
  - Sep: Load/performance testing
  - Oct: Compatibility testing, UAT
  - Nov: Regression testing

## Test Environment

- Browser: Chrome, Firefox, Edge
- OS: Windows 10, macOS
- URL: <https://demowebshop.tricentis.com/>
- Test Data: Predefined test users and cart scenarios

## Roles & Responsibilities

Role	Responsibility
QA Lead	-> Strategy, reporting
QA Testers	-> Test case creation/execution
Developers	-> Fixing bugs, unit testing

## Entry / Exit Criteria

### Entry:

- Requirements sign-off
- Stable build deployed

### Exit:

- All P1/P2 defects resolved
- >95% test case pass rate
- UAT sign-off

## **Risks & Mitigation**

- **Risk:** Delayed builds → **Mitigation:** Build schedule alignment
- **Risk:** Unstable environment → **Mitigation:** Staging setup

## **Tools**

- TestRail, Selenium, JIRA, Postman

## **Communication**

- Daily stand-ups
- Weekly test status report