**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