Test Plan and Strategy Document

Project: Demo Web Shop

Version: 1.0

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Prepared by: QA Team

# 1. Test Strategy

## 1.1 Goals:

- Check important user actions like registration, searching products, adding to cart, and placing orders.

- Make sure the website works well on different browsers and devices.

- Use automation to test most of the important features.

## 1.2 What We Will Test:

- Included: Functional features, user interface, regression, performance, and security.

- Not Included: Admin section and real payment transactions.

## 1.3 Types of Testing:

- Manual and automated testing of features

- Testing old features after changes (regression)

- Checking user experience (usability)

- Testing speed and performance

- Checking for security problems

- Testing on different browsers and devices

## 1.4 Tools Used:

- For automation: Selenium, Cypress, Tosca

- For API testing: Postman

- For performance: JMeter

- For test management: TestNG

## 1.5 Risk Handling:

- Focus first on important parts like the cart and checkout, as they affect users the most.

## 1.6 Automation Plan:

- Automate the main user flows using tools like Cypress or Tosca to save time and effort.

# 2. Test Plan

## 2.1 Purpose:

This plan explains what we will test, when, how, and who will do the testing for the Demo Web Shop.

## 2.2 What’s In and Out:

In Scope:

- User sign-up and login  
- Browsing products and searching  
- Adding to cart and wishlist  
- Placing an order  
- Getting emails after actions

Out of Scope:

- Admin dashboard  
- Backend systems

## 2.3 Test Goals:

- Check all features work properly

- Report any bugs

- Make sure old features still work after changes

## 2.4 What We Will Test:

- Registration, login, product catalog, cart, checkout, past orders, emails

## 2.5 Types of Tests:

- Manual, automated, performance, security, browser compatibility

## 2.6 Test Setup:

URL: https://demowebshop.tricentis.com/

Browsers: Chrome, Firefox, Edge

Data: Fake user details and test orders

## 2.7 Team Roles:

- QA Lead: Plans and manages the testing

- QA Team: Runs manual and automated tests

- Developers: Fix bugs

- Product Owner: Reviews and approves

## 2.8 Outputs:

- Test plan, test cases, traceability matrix, reports, defect logs, summary

## 2.9 When to Start/Stop:

Start Testing When:  
- Requirements are final  
- Test data is ready

End Testing When:  
- 95% of tests pass  
- No major bugs left

## 2.10 Schedule (Waterfall Model):

- Planning: Aug 6 – 7  
- Design: Aug 8 – 10  
- Testing: Aug 11 – 17  
- Closure: Aug 18 – 20

## 2.11 Schedule (Agile Model):

- Sprint 1: Registration and Login  
- Sprint 2: Product catalog and cart  
- Sprint 3: Checkout and order history

## 2.12 Risks & Solutions:

- Website changes often: Update tests regularly

- Payment problems: Use fake test cards

## 2.13 Metrics to Track:

- Test coverage  
- Bug count  
- Automation coverage  
- Execution rate

## 2.14 Approvals Needed:

- QA Lead  
- Development Lead  
- Product Owner