Test Plan Document

**Application Under Test: https://demowebshop.tricentis.com/**

## 1. Objective

To ensure that the Demo Web Shop functions correctly, meets business requirements, and delivers a good user experience by validating its features through manual and automated testing.

## 2. Scope

In Scope:  
- User Registration & Login  
- Product Search & Browsing  
- Add to Cart  
- Checkout Process  
- Payment (Dummy/Test Gateway)  
- Order Confirmation  
  
Out of Scope:  
- Backend database testing  
- Third-party payment gateway integration  
- Performance/load testing

## 3. Test Methodology

Testing will be conducted using:  
- Waterfall model for structured release-based testing  
- Agile model for sprint-based testing cycles and continuous feedback

## 4. Testing Approach

• Functional Testing  
• Integration Testing  
• Regression Testing  
• UI/UX Testing  
• Exploratory Testing  
• Automation using Selenium

## 5. Assumptions

• All functional requirements are signed off and stable  
• Test environment will be available and similar to production  
• Required test data will be provided

## 6. Risks

• Requirement changes  
• Delayed build  
• Test environment issues

## 7. Mitigation Plan

• Conduct requirement reviews  
• Regular stand-ups and progress tracking  
• Prioritize high-risk test cases early

## 8. Roles & Responsibilities

QA Team: Prepare test plan, write test cases, execute tests, report bugs  
Development Team: Fix reported bugs, provide support during testing  
Project Manager: Monitor testing progress, address blockers

## 9. Test Schedule

Test Planning: [DD-MM] to [DD-MM]  
Test Case Design: [DD-MM] to [DD-MM]  
Test Execution: [DD-MM] to [DD-MM]  
Closure & Reporting: [DD-MM] to [DD-MM]

## 10. Defect Tracking

• Defects will be logged and tracked in JIRA  
• Categorized by Severity (Critical/High/Medium/Low) and Priority

## 11. Test Environment

• Environment: Staging  
• Browsers: Chrome, Firefox, Edge  
• Test Data: Predefined user accounts and product catalog  
• APIs: Integrated or mocked

## 12. Entry & Exit Criteria

Entry:  
• Test cases reviewed and approved  
• Environment setup and stable  
• Build deployed  
  
Exit:  
• All critical defects closed  
• 95%+ test case pass rate  
• Final test report submitted

## 13. Test Automation

• Tool: Selenium  
• Focus: Regression & Smoke Tests  
• Frequency: Per sprint or release

## 14. Effort Estimation

Test Design: 20%  
Execution: 40%  
Reporting: 20%  
Reviews & Meetings: 10%  
Buffer: 10%

## 15. Test Deliverables

• Test Plan  
• Test Cases  
• Bug Reports  
• Status Reports  
• Final Summary  
• Automation Scripts

## 16. Template Usage

This template is suitable for both Waterfall and Agile test plans. It can be reused for similar applications.