

Test Plan Document

Project: nopCommerce

Modules: Home, Login, Register, Wishlist, Cart

1. Introduction

This Test Plan outlines the testing strategy, scope, approach, resources, and deliverables for testing selected modules of the nopCommerce application.

2. Objectives

- Ensure core functionalities work as expected.
- Validate UI, functional, negative, and boundary conditions.
- Create a stable automation suite for regression testing.

3. Scope of Testing

3.1 In Scope:

- Home, Login, Register, Wishlist, Cart Pages.

3.2 Out of Scope:

- Admin Panel
- Payment Gateway
- API Testing
- Mobile Testing

4. Testing Approach

4.1 Manual Testing:

- Functional Testing
- Negative Testing

- Validation Testing
- Usability Testing
- Regression Testing

4.2 Automation Testing:

- Selenium + TestNG + POM based framework
- Page-wise modular automation
- Data-driven testing
- Extent/Allure reporting

5. Test Levels

- Integration Testing
- System Testing
- Regression Testing

6. Test Deliverables

- SRS Document
- Test Plan
- Test Scenarios
- Test Cases
- Test Data
- Bug Report
- Test Execution Report
- Test Summary Report
- Automation Suite

7. Entry Criteria

- Requirements are finalized
- Test environment is ready
- Test data is available
- Application build is stable

8. Exit Criteria

- All high and medium priority test cases executed
- No open critical bugs
- Test summary report prepared

9. Risks & Mitigation

- Application downtime → Inform dev team
- Unstable build → Delay execution
- Environment issues → Retry or switch browser/system

10. Tools Used

- MS Excel / Word
- Selenium WebDriver
- TestNG
- Java
- GitHub
- Extent/Allure Reports

11. Roles & Responsibilities

- QA Tester: Manual Testing, Documentation, Test Case Design
- Automation Engineer: Script development, Framework maintenance
- Reviewer: Self-review in this project

12. Test Environment

- Browser: Chrome Latest Version
- OS: Windows 10/11
- AUT: nopCommerce Public Test Environment