

# **Test Plan Document**

## **Project: nopCommerce**

### **Modules: Home, Login, Register, Wishlist, Cart**

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#### **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