**Test Plan for nopCommerce Web Application**

**Application URL**: <https://demo.nopcommerce.com/>  
**Prepared by**: Vishal  
**Date**: 28/8/2025

**1. Test Plan Identifier**

TP-nopCommerce-2025-v1

**2. Introduction**

This test plan is prepared for the nopCommerce demo web application, an open-source e-commerce platform. The objective is to validate the functionality, security, usability, and performance of the application across different modules including product catalog, shopping cart, checkout, payments, shipping, customer accounts, marketing, and administration.

**3. Test Items**

User Login and Authentication

Product Catalog & Search

Shopping Cart & Wishlist

Checkout Process

Payments

Shipping & Delivery

Content Management (Blogs, Newsletter)

Marketing & Promotions (Coupons, Discounts)

Contact Us

SiteMap

**4. Features to be Tested**

Valid and invalid login scenarios

Product search, filter, and sorting functionality

Adding/removing products from cart and wishlist

Checkout with/without registration (guest checkout)

Payment gateway integration and validation

Delivery option validation

Order confirmation and email notifications

Role-based access control (customer vs. admin)

Security checks (session handling, unauthorized access)

Responsiveness on different browsers and devices

**5. Features Not to be Tested**

Third-party integrations (since this is a demo site)

Backend database validation (assuming no database access)

Performance under load beyond standard use

**6. Approach**

Manual testing

Functional testing based on positive and negative test scenarios

Automation (Selenium + TestNG/JUnit) for regression and repetitive flows

Exploratory testing for security and UI issues

Cross-browser testing (Chrome, Firefox, Edge)

Test on at least 2 mobile devices for responsive behavior

Regression testing for critical workflows

**7. Item Pass/Fail Criteria**

Pass: Function behaves as specified in requirements

Fail: Function behaves differently than expected or breaks critical flow

**8. Suspension Criteria and Resumption Requirements**

Testing will be suspended if the application is unavailable or if critical modules (like checkout or login) are blocked. Testing resumes once blockers are resolved.

**9. Test Deliverables**

Test Plan document

Test Cases

Test Summary Report

Bug Reports

Final Sign-off Report

**10. Environmental Needs**

Windows 10 / 11 test machines

Browsers: Chrome, Firefox, Edge

Mobile devices (Android and iOS)

Stable network connection

**11. Responsibilities**

**Test Lead: Vishal**— planning, reporting

**Testers**: Vishal— execute test cases, log defects

**Developers** Nitin zha, minal shah, Yug tagi — fix and verify defects

**12. Schedule**

| **Activity** | **Timeline** |
| --- | --- |
| Test Planning | 28/8/2025 |
| Test Case Design | 30/8/2025 |
| Test Execution | 5/9/2025 |
| Bug Reporting & Retest | 6/9/205 |
| Test Closure | 9/9/2025 |

**13. Risks and Contingencies**

Demo environment downtime

Payment gateway limitations in demo mode

**14. Approvals**

**Test Lead**: Vishal

**Project Manager**: Vaishali Sonanis