Test Plan for nopCommerce Demo Website

# 1. Introduction

This Test Plan document describes the strategy, scope, resources, and schedule for testing the nopCommerce demo website (https://demo.nopcommerce.com/). The purpose is to validate the functionality, performance, and usability of the e-commerce platform.

# 2. Test Objectives

The objectives are:  
- Verify core e-commerce functionalities (registration, login, product browsing, cart, checkout, payment, etc.)  
- Ensure system works across browsers and devices  
- Validate security, performance, and usability aspects  
- Detect and log defects before release

# 3. Scope

In Scope:  
- User registration & login  
- Product search & browsing  
- Shopping cart & checkout  
- Payment simulation  
- Order history  
- Responsive design validation  
  
Out of Scope:  
- Integration with real payment gateways  
- Load testing with production-scale traffic

# 4. Test Items

The following components will be tested:  
- User Account Module  
- Product Catalog  
- Shopping Cart  
- Checkout & Order Processing  
- Search and Filters  
- Wishlist & Compare Products  
- Contact & Support pages

# 5. Features to be Tested

Features include:  
- Account creation, login/logout  
- Search functionality  
- Adding/removing products from cart  
- Checkout process with test data  
- Order confirmation & order history  
- Product reviews and ratings  
- Wishlist functionality  
- Responsiveness on mobile and desktop

# 6. Features Not to be Tested

Not included in this test:  
- Integration with external ERP/CRM systems  
- Actual payment gateway transactions  
- Third-party plug-ins not enabled in demo site

# 7. Test Approach

Manual functional testing will be performed using test cases derived from requirements and use cases. Exploratory testing will supplement scripted testing. Regression testing will be executed after major changes. Cross-browser compatibility testing will be done on Chrome, Firefox, and Edge.

# 8. Entry Criteria

- Test environment setup completed  
- Test data prepared  
- Access to demo website available  
- Requirements and features to be tested documented

# 9. Exit Criteria

- All planned test cases executed  
- All critical defects resolved  
- No open high-severity defects  
- Test summary report delivered

# 10. Test Deliverables

The following deliverables will be produced:  
- Test Plan  
- Test Cases  
- Test Data  
- Test Execution Report  
- Defect Report  
- Test Summary Report

# 11. Test Environment

Testing will be conducted in the following environment:  
- Browsers: Chrome (latest), Firefox (latest), Edge (latest)  
- OS: Windows 10/11, macOS  
- Mobile: Android, iOS browsers  
- Test data: Dummy user accounts, sample orders

# 12. Schedule

Planned Timeline:  
- Test Planning: 2 days  
- Test Case Design: 4 days  
- Test Execution: 7 days  
- Defect Retesting: 3 days  
- Test Closure: 2 days

# 13. Resources

Team Members:  
- Test Manager  
- 2 Test Engineers  
- Test Environment Support  
  
Tools:  
- Browser developer tools  
- Bug tracking system (e.g., Jira)  
- Test case management (Excel/Sheets)

# 14. Risks

- Website downtime or unavailability  
- Browser compatibility issues  
- Delays in environment setup  
- Unclear requirements  
- Limited support for real payment testing

# 15. Mitigation Plan

- Use demo environment backups  
- Prioritize testing on major browsers  
- Coordinate with development team for environment setup  
- Perform requirement walkthroughs  
- Use mock/test data for payments

# 16. Approval

Prepared by: QA Team  
Reviewed by: Test Manager  
Approved by: Project Manager