Test Plan

Project Name :

NopCommerce Demo store

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Introduction

This test plan outlines the testing strategy for the **NopCommerce Admin Demo** website, which is a demo version of an e-commerce administration panel. The purpose of this test plan is to ensure that the admin portal functions correctly, is secure, and provides a seamless user experience.

AUT: https://admin-demo.nopcommerce.com/login?ReturnUrl=%2Fadmin%2F

Objective

The primary objectives of this testing effort are to verify the functionality of the admin panel, to ensure security measures are in place, to validate user workflows (login, dashboard navigation, product/customer management), to check compatibility across different browsers and devices and to assess performance under expected user loads of nopcommerce demo store.

Scope

In-Scope:

- ➢ Login & Authentication
- ➢ Dashboard Navigation
- ➢ Product Management (Add/Edit/Delete products)
- ➢ Customer Management (View/Edit customers)
- ➢ Order Processing
- ➢ Reporting & Analytics
- ➢ Role-Based Access Control
- ➢ Cross-Browser Compatibility

Out-of-Scope:

- ➢ Payment gateway integration (since this is a demo)
- ➢ Third-party API integrations
- ➢ Load & Stress Testing (unless specified)

Testable Features

- **Login:** Valid/Invalid credentials, Password recovery, Session timeout.
- **Dashboard:** Widget functionality, UI responsiveness.
- **Product Management:** CRUD operations, Search & Filter.
- **Customer Management:** Customer listing, Editing profiles.
- **Orders:** Order status updates, Invoice generation.
- **Reports:** Data accuracy, Export functionality.]
- **Security:** Role-based access, SQL injection, and XSS checks.

Testing Approach

➢ **Testing Types :**

- Functional Testing
- UI Testing
- Usability Testing
- Regression Testing
- Performance Testing

➢ **Testing Methodologies:**

- Black Box Testing
- White Box Testing
- Load & Stress Testing
- Exploratory Testing

➢ **Testing Environment:**

- QA Environment

➢ **Operating System:**

- Windows 11 and above

Testing Environment

- ♣ **URL:** https://admin-demo.nopcommerce.com
- ♣ **Browser:** Latest versions of Chrome, Firefox, Edge, Safari
- ♣ **OS:** Windows 10/11, macOS
- ♣ **Network:** 4G, 5G, broadband internet
- ♣ **Test Data:** Predefined demo credentials

Roles and Responsibilities

Roles	Responsibilities
Test Manager	✓ Oversees testing strategy ✓ Manages team ✓ Reports progress
Test Engineer	✓ Execute test cases ✓ Report defects ✓ Conduct retesting
Developer	✓ Fix defects and provide technical support for testing
Business Analyst	✓ Ensures requirements are met in testing
Project Manager	✓ Ensures testing aligns with project timelines

Test Schedule

Following is the test schedule planned for the subject:

Task	Start Date	End Date
Test Plan Creation	26-May-2025	27-May-2025
Test Scenario Creation	26-May-2025	27-May-2025
Test Case Creation	26-May-2025	27-May-2025
Test Case Execution	26-May-2025	27-May-2025
Bug Report	26-May-2025	27-May-2025
Summery Report	26-May-2025	27-May-2025

Test Deliverables

Deliverable	Description	Completion Date
Test Plan	Outlines the testing approach, strategies, and scope for the Amazon web application.	26-May-2025
Test Scenario	Test Scenarios created for all mentioned objectives	26-May-2025
Test Case	Test Cases created for both functional testing and compatibility testing	26-May-2025
Bug Report	Detailed description of the defects identified in different versions of an application.	26-May-2025
Summary Report	Detailed overview of the status of all test cases conducted, along with suggestions for improvement.	26-May-2025

Entry and Exit Criteria

The below are the entry and exit criteria for every phase of the Software Testing Life Cycle:

Requirement Analysis

- ➢ **Entry Criteria:**
- ✦ Receives the Requirement documents of the project includes what functions need to be tested and how the software should behave. ¬
- ➢ **Exit Criteria:**
- ✦ Tester should thoroughly explore and understand each requirement listed in the documents. Any doubts or uncertainties regarding the requirements should be addressed and clarified.

Test Planning

- ➢ **Entry Criteria:**
- ✦ Testable Requirements derived from the given Requirements documents. The Test Plan document includes the Test Strategy, which provides a high-level overview of how testing will be conducted.
- ➢ **Exit Criteria:**
- ✦ Test Plan is signed off by the Client.

Test Designing

- ➢ **Entry Criteria:**
- ✦ The Test Plan document needs to be reviewed and approved by the client, and then the Test Plan Document is signed off by the Client
- ➢ **Exit Criteria:**
- ✦ Test Scenarios and Test Cases prepared, reviewed, and signed off by Client.

Test Execution

- ➢ **Entry Criteria:**
- ✦ Test Scenarios and Test Cases reviewed and approved by the client. The application is ready for further Testing
- ➢ **Exit Criteria:**
- ✦ Test Case Reports and Defect Reports ready

Test Closure

- ➢ **Entry Criteria:**
- ✦ Test Case Reports and Defect Reports are ready ¬
- ➢ **Exit Criteria:**
- ✦ Test Summary Reports, it overview of the entire testing process

Tools

The following is the list of Tools we will be using in this Project:

- XMind map Tool
- Microsoft Excel
- Microsoft Word
- Slack – collaboration
- Selenium

Risks and Mitigation Plans

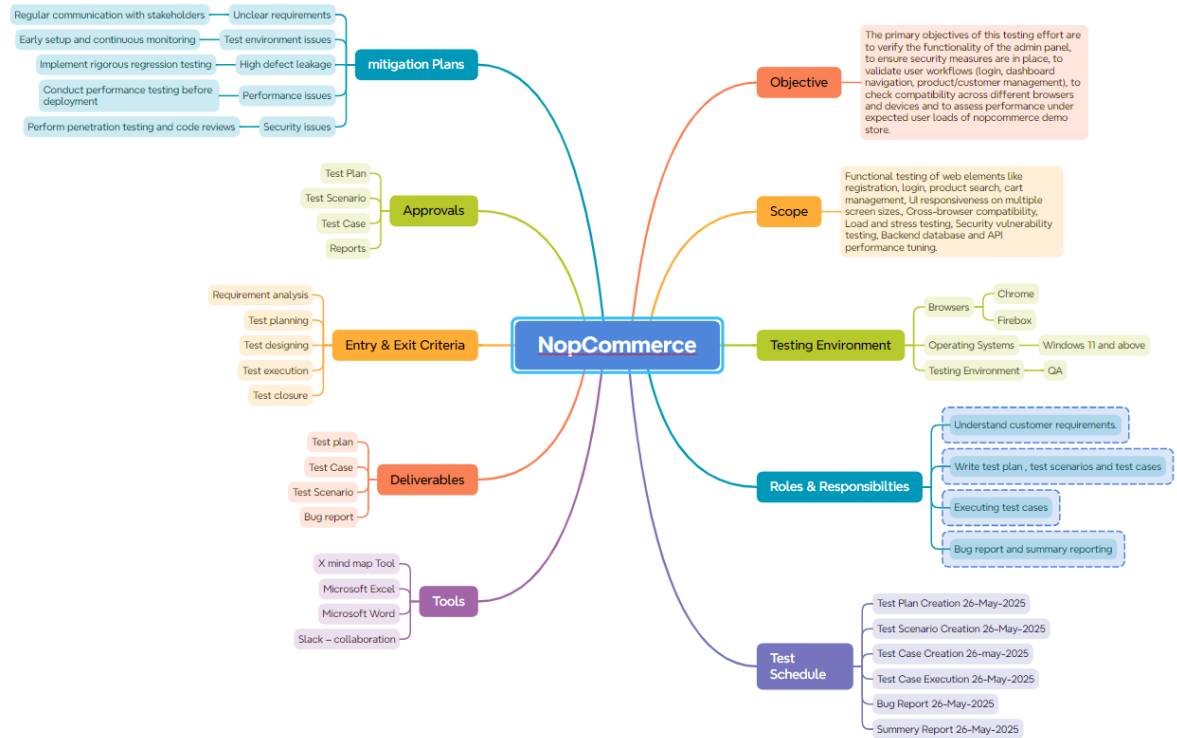| Risk	Mitigation Plan
Unclear requirements	Regular communication with stakeholders
Test environment issues	Early setup and continuous monitoring
High defect leakage	Implement rigorous regression testing.
Performance issues	Conduct performance testing before deployment.
Security issues	Perform penetration testing and code reviews.

Approvals

Below are the documents required for Client Approval :

- Test Plan

- Test Scenarios

- Reports

Testing will only continue to the next steps once these approvals are done.

MindMap

mitigation Plans
- Regular communication with stakeholders — Unclear requirements
- Early setup and continuous monitoring — Test environment issues
- Implement rigorous regression testing — High defect leakage
- Conduct performance testing before deployment — Performance issues
- Perform penetration testing and code reviews — Security issues

Approvals
- Test Plan
- Test Scenario
- Test Case
- Reports

Entry & Exit Criteria
- Requirement analysis
- Test planning
- Test designing
- Test execution
- Test closure

Deliverables
- Test plan
- Test Case
- Test Scenario
- Bug report

Tools
- X mind map Tool
- Microsoft Excel
- Microsoft Word
- Slack – collaboration

NopCommerce

Objective
The primary objectives of this testing effort are to verify the functionality of the admin panel, to ensure security measures are in place, to validate user workflows (login, dashboard navigation, product/customer management), to check compatibility across different browsers and devices and to assess performance under expected user loads of nopcommerce demo store.

Scope
Functional testing of web elements like registration, login, product search, cart management, UI responsiveness on multiple screen sizes, Cross-browser compatibility, Load and stress testing, Security vulnerability testing, Backend database and API performance tuning.

Testing Environment
- Browsers — Chrome
- Browsers — Firebox
- Operating Systems — Windows 11 and above
- Testing Environment — QA

Roles & Responsibilties
- Understand customer requirements.
- Write test plan , test scenarios and test cases
- Executing test cases
- Bug report and summary reporting

Test Schedule
- Test Plan Creation 26-May-2025
- Test Scenario Creation 26-May-2025
- Test Case Creation 26-may-2025
- Test Case Execution 26-May-2025
- Bug Report 26-May-2025
- Summery Report 26-May-2025

Created On X-Mind