

# Test Plan Document

**Version1.0**

**Project Name: Manual Testing of Online Bookstore Web Application**

**Application Under Test (AUT): nopCommerce Demo Store**

**Project Type: Manual Functional Testing**

**Role: Manual Tester**

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### 3.ABBREVIATIONS

AUT	Application Under Test
UI	User Interface
TC	Test Case
TD	Test Data
E2E	End to End Testing
SDLC	Software Development Life Cycle
STLC	Software Testing Life Cycle

## 4. Introduction

### ➤ Project Overview

The nopCommerce Demo Store is an online bookstore web application that allows customers to

- Browse Books
- Search Books
- Add to Cart
- Purchase
- Track Order
- Account Management

### ➤ Purpose of Testing

The purpose of testing the nopCommerce online bookstore web application is

- Ensure all the features of the application works correctly as expected.
- To make sure the application meets the customer requirements as well as business rules.
- To identify any defects or usability issues in the application.
- To ensure and validate the data accuracy while user is registering or going through login and checkout processes.
- Ensure user friendly interface with proper navigation.
- To ensure reliability of order placement and cart management functionality

### ➤ Scope of Project

The scope of project as well as the modules tested are

- User registration
- User login and logout
- Forgot password
- Book browsing and category navigation
- Book search functionality

- Product details page
- Shopping cart management
- Checkout and order placement
- User account management
- Order history viewing

## 5. Test Objectives

### ➤ Primary Objective

- All functional modules of nopCommerce online bookstore web application work correctly.
- To validate user's registration, login and account management features.
- To ensure the users can browse, search and view the details of book.
- To ensure the functions as adding, updating and removing books work as expected.
- To ensure the system the application maintains data accuracy and integrity during transactions.
- The checkout process such as order placement and confirmation functions are working properly.

### ➤ Secondary Objective

- The application provides smooth and user-friendly navigation.
- To validate the consistency of UI elements such as buttons, forms, layouts and inputs.
- While entering incorrect data or missing inputs proper validation messages are displayed.

### ➤ Quality Objective

- The application meets the business requirements of an online bookstore where users can easily browse and purchase books.
- To report about defects before deployment.
- To improve system performance as well as user experience.
- To ensure the reliable ordering process.

## 6.Scope

The testing will be validating the modules and functionalities

- Functional Correctness
- User workflow validation
- Input field validations
- System messages and error handling
- Cross-browser compatibility

The functionalities include

- a) User Management-
  - User registration
  - User login and logout
  - Forgot password functionality
  - User profile management
  - Address management
- b) Product Management
  - Book listing and category navigation
  - Book search functionality
  - Product filtering and sorting
  - Viewing Book Details
- c) Cart and Order Management
  - Adds book to cart
  - Update cart quantity
  - Remove books from cart
  - Checkout process
  - Order placement and confirmation
  - Viewing order history
- d) Additional Features
  - Wishlist functionality
  - Product reviews and rating

## 7. Test Strategy

The nopCommerce is an online bookstore web application that allows users to browse and purchase books efficiently. The application is tested to verify the functionality, usability and reliability to deliver a high-quality software.

### Testing Types Involved-

- UI testing (check layout, design and navigation)
- Functional testing (to ensure all features work correctly)
- Compatibility testing (to ensure the application runs smoothly on different browsers)
- Usability testing (to ensure it is user friendly)
- Smoke testing (to check the basic functionality after deployment)
- Regression testing (to verify bugs so that it doesn't affect others functions)

### Testing Techniques Used-

- Black box testing
- Boundary value analysis
- Equivalence partitioning
- Error Guessing

### Test Deliverables-

- Test plan
- Test cases
- Bug report
- Test summary report



## 8.Entry and Exit Criteria

### Entry Criteria

- The nopCommerce application is successfully deployed.
- The requirements and features of the application are finalized.
- Preparation of the test cases.
- Review of test cases.
- Test environment is ready
- Required test data is available.

### Exit Criteria

- All the planned test cases are executed.
- Critical as well as major defects are fixed.
- Re-testing of the fixed bugs are tested.
- The test coverage meets expected quality standards.
- Test summary report is prepared and approved.

## 9. Test Environment

The testing of nopCommerce online bookstore web application would be done in a controlled environment to verify the functionality of the application.

### HARDWARE REQUIREMENTS-

- Laptop/Desktop
- Minimum 8 GB RAM
- Stable Internet Connection

### SOFTWARE REQUIREMENTS-

- Operating System – Windows 10
- Web Browser – Chrome/Firefox/MS Edge

### TESTING TOOLS-

- MS Excel – Documentation
- Documentation/MS Excel/Jira – Bug tracking

### TEST DATA-

- Invalid and valid user login credentials
- Sample user registration data
- Book search keywords
- Dummy checkout and order data

## 10. Test Risk

Test risks analysis involves

Potential Risks-

- The requirements may require test case modifications.
- The limited test timing may reduce overall test coverage.
- The payment gateway issues may affect checkout testing.
- The browser compatibility issues may cause UI or functional failures.
- Insufficient or incorrect test data may affect test execution.

Risk Mitigation-

- Freeze requirements before test execution.
- Performing cross browser testing can reduce the chance of risk.
- Prepare valid and invalid data in advance.
- Prioritize testing of critical modules.

## 11. Test Schedule

Phase	Duration
Requirement Analysis	1 Day
Test Plan Preparation	1 Day
Test Case Design	2 Days
Test Execution	4 Days
Bug Reporting and Retesting	2 Days
Test Summary Report	1 Day