

Assignment of SOFTWARE TESTING No 1



Islamia college Peshawar

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Section : A

Semester : 7th

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1. Introduction

This test plan defines the strategy and approach for testing the nopCommerce Demo Web Application. The main goal is to validate key user functionalities such as registration, login, shopping cart, and logout to ensure they perform as expected.

2. Scope

In-Scope Functionalities:

User Registration

User Login

Product Search

Add to Cart

Remove from Cart

Out-of-Scope:

Admin panel testing

Payment gateway integration

Mobile responsiveness

3. Objectives

Verify the registration process with valid and invalid inputs.

Ensure users can log in and log out correctly.

Validate cart operations (add, remove, update items).

Ensure product pages and checkout flow function correctly.

4. Test Approach

Testing Type: Functional, UI, and Boundary testing.

Test Technique: Manual and Automation (Playwright).

Test Basis: nopCommerce Demo Website functionalities.

Tools Used:

Browser: Chrome (latest version)

Automation: Robot Framework / Playwright

Bug Tracking: Excel or Google Sheets

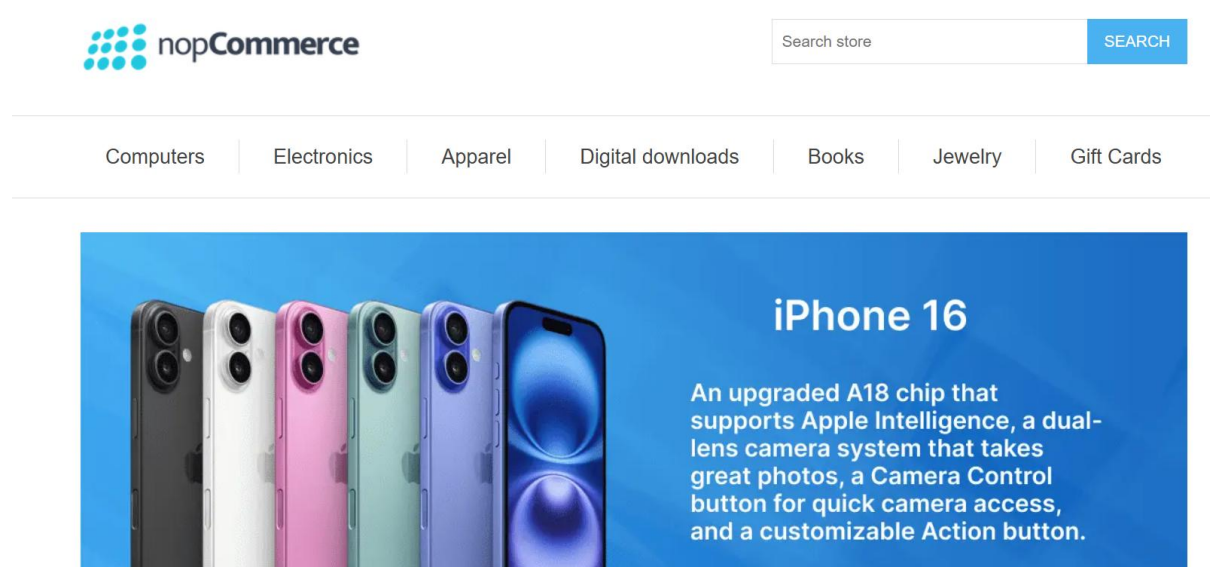
5. Test Environment

URL: <https://demo.nopcommerce.com/>

OS: Windows 11

Browser: Google Chrome 129

Network: Stable broadband connection



6. Deliverables

Test Plan Document

Test Case Document

Summary/Completion Report

Online shopping is the process consumers go through to purchase products or services over the Internet. You can edit this in the admin site.

If you have questions, see the [Documentation](#), or post in the [Forums](#) at [nopCommerce.com](#)

Electronics



Apparel



Digital downloads



7. Schedule

Activity	Duration	Date
Test Planning	1 hrs	Nov 8–9, 2025
Test Case Design	1 hrs	Nov 8–9, 2025
Test Execution	1 hrs	Nov 8–9, 2025
Reporting & Review	1 hrs	Nov 8–9, 2025



Build your own computer



\$1,200.00



Apple MacBook Pro



\$1,800.00



HTC smartphone



\$245.00



\$25 Virtual Gift Card



\$25.00



8. Rules and Responsibility

Role	Name	Responsibility
QA Tester	Muhammad Irfan	Create test cases, execute tests, report bugs
QA Lead	Mansoor Nasir	Review and approve test results

9. Test Case Document

Test Case ID	Test Scenario	Test Steps	Input Data	Expected Result	Actual Result	Status
TC001	User Registration (Valid)	1. Go to Register page 2. Enter valid details 3. Click "Register"	Name: Ali Khan Email: muhammadirfanicp2023@gmail.com Password: irfan@123	Registration successful message appears	Works as expected	Pass
TC002	User Registration (Invalid Email)	1. Enter invalid email 2. Click Register	Email: irfan@123	Validation message "Wrong email" appears	Works as expected	Pass
TC003	Login with valid credentials	1. Click Login 2. Enter valid email & password	Email: muhammadirfanicp2023@gmail.com Password: irfankhan	User logs in successfully and redirected to homepage	Works as expected	Pass
TC004	Login with invalid credentials	1. Enter invalid password 2. Click Login	Email: muhammadirfanicp2023@gmail.com Password: wrongpass	Error message "Login was unsuccessful"	Works as expected	Pass
TC005	Search for product	1. Enter "Laptop" in search box 2. Click Search	"Laptop"	Product list related to "Laptop" appears	Works as expected	Pass
TC006	Add product to cart	1. Search for product 2. Click "Add to cart"	Product: Apple MacBook	Product appears in shopping cart	Works as expected	Pass
TC007	Remove product from cart	1. Open cart 2. Click Remove	Product: Apple MacBook	Product is removed from cart	Works as expected	Pass
TC008	Proceed to checkout	1. Open cart 2. Click Checkout 3. Enter info	Use guest checkout	Checkout page appears	Works as expected	Pass
TC009	Logout functionality	1. Click Logout	—	User is logged out and redirected to homepage	Works as expected	Pass

8. Bug Report

Bug ID	Module	Description	Severity	Priority	Status
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BUG001	Registration	Page sometimes reloads without registering	Medium	High	Open
BUG002	Cart	Removing item requires two clicks sometimes	Low	Medium	Open
BUG003	Checkout	Address form fields not validating empty input	Medium	High	Open

9. Test Summary Report

Metric	Value
Total Test Cases	9
Passed	8
Failed	1
Blocked	0
Success Rate	88.9%

Summary:

Most test cases executed successfully. Minor defects were found in registration and cart removal modules. Checkout functionality and user sessions performed well.

Conclusion:

The nopCommerce demo website passed most core functionality tests successfully, proving its reliability as a training and automation platform. With minor UI and validation improvements, it can achieve 100% test success rate.