**Test Plan on OpenCart Registration Module**

**Test plan identifier**: tp\_opencart\_registration\_2025\_v1

**Introduction**= validating the User Registration Module of the OpenCart website. The registration process is critical as it enables new users to create an account, which is required for accessing personalized features, placing orders, and managing user information.

**Test items** = registration page input field validations like mandatory fields, entering input in valid formats, email and password validations, registration success and error messages, account creation and login redirection

**Features to be tested**

registration link navigation,

input validations for username,

email,

password,

phone number,

unique email id enforcement,

password strength validation,

captcha validation,

account creation,

Verify Email,

redirection to login page after registration,

cross-browser checking for chrome, firefox, edge browsers cross-device checking for mobile, tablet, desktop, performance like finding load time and response time.

**Features not to be tested:**

Email verification process

login/registration through Google

Backend database encryption and security testing

Performance testing

**Approach**: Automation testing(Selenium with TestNG & Cucumber BDD) and manual testing(black box testing(functional testing))

**Items pass/fail criteria:**

Pass: If the actual output matches the expected output without major defects.

Fail: If critical features (checkout, login, add to cart) do not function correctly or block further testing.

Suspension criteria & resumption requirements=28/08/2025

Test deliverables =

Test case document

Test reports

Test plan

Test summary report

Test bug report

Test analysis report

Review docs

Bug analysis report etc.

Environment needs = Windows 11, PCs, Chrome browser, and Firefox browser, network, phone, tablet.

Responsibilities = Manasa (Prepare test cases and test analysis report)

Staffing & training needs = Selenium WebDriver

Schedule = 28/08/2025

Risk and Contingency = No Risk

Approval = Manager name

**Test Plan on OpenCart Login Module**

**Test plan identifier**: tp\_opencart\_Login\_2025\_v1

**Introduction**= validating the Login Module of the OpenCart website. as it provides secure access to registered users. It ensures that only authorized users can enter the system and access their accounts, order history, and personalized features.

**Test items** = login page input field validations like mandatory fields, entering input in valid formats, email and password validations.

**Features to be tested**

Verify login button navigates correctly.

Validate Login, User can login with correct email ID and password.

Invalid Login – Proper error message is displayed for wrong username and password.

Empty Fields Validation – Error message when username or password is left blank.

cross-browser checking for chrome, firefox, edge browsers cross-device checking for mobile, tablet, desktop, performance like finding load time and response time.

**Features not to be tested:**

Login through Google(Third party login)

Password recovery/forgot password flows

Email/SMS notifications after login

Backend database encryption and security testing

Performance testing

**Approach**: Automation testing(Selenium with TestNG & Cucumber BDD) and manual testing(black box testing(functional testing))

**Items pass/fail criteria:**

Pass: If the actual output matches the expected output without major defects.

Fail: If critical features do not function correctly or block further testing.

Suspension criteria & resumption requirements: 28/08/2025

Test deliverables =

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Bug analysis report etc.

Environment needs = Windows 11, PCs, Chrome browser, and Firefox browser, network, phone, tablet.

Responsibilities = Manasa (Prepare test cases and test analysis report)

Staffing & training needs = Selenium WebDriver

Schedule = 28/08/2025

Risk and Contingency = No Risk

Approval = Manager name

**Test Plan on OpenCart Search Module**

**Test plan identifier**: tp\_opencart\_Search\_2025\_v1

**Introduction**: The Search Module in OpenCart allows users to quickly find products by entering keywords, product names, or other attributes into the search bar. It improves user experience by enabling faster navigation and access to desired items without browsing through multiple categories.

**Test items** = Search bar availability on homepage and product pages, Keyword-based search functionality, Partial keyword search and auto-suggestions, Handling of invalid or empty search queries, Search results display, Navigation from search result to product details page, Category-specific search

**Features to be tested**

Search Field Availability

Valid Keyword Search returns accurate product results based on entered keywords.

Invalid Keyword Search displays appropriate “No results found” message.

Category-based Search If available, search results are filtered according to category.

Product Details Access clicking on a search result navigates correctly to the product details page.

cross-browser checking for chrome, firefox, edge browsers cross-device checking for mobile, tablet, desktop, performance like finding load time and response time.

**Features not to be tested:**

Advanced filters/sorting options

Voice-based or image-based search functionality.

Backend database query optimization.

SEO-based search engine indexing.

**Approach**: Automation testing(Selenium with TestNG & Cucumber BDD) and manual testing(black box testing(functional testing))

**Items pass/fail criteria:**

Pass: If the actual output matches the expected output without major defects.

Fail: If critical features do not function correctly or block further testing.

Suspension criteria & resumption requirements: 28/08/2025

Test deliverables =

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Bug analysis report etc.

Environment needs = Windows 11, PCs, Chrome browser, and Firefox browser, network, phone, tablet.

Responsibilities = Manasa (Prepare test cases and test analysis report)

Staffing & training needs = Selenium WebDriver

Schedule = 28/08/2025

Risk and Contingency = No Risk

Approval = Manager name

**Test Plan on OpenCart Shopping Cart Module**

**Test plan identifier**: tp\_OpenCart\_shoppingcart \_2025\_v1

**Introduction**: This module enables users to view detailed information about a product and add items to their shopping cart for purchase. The product details page typically includes the product name, images, description, price, availability, and additional attributes such as size, colour, or specifications. The Add to Cart functionality ensures that the selected product, along with its options, is successfully added to the shopping cart and reflected in the cart summary.

**Test items**:

Product detail page navigation from search pages, Display of product information like name, price, description, stock availability, reviews, Product images if available, Product options selection like size, colour, quantity, Add to Cart button functionality, Cart icon/cart summary update after adding product, Redirection to cart or success message after adding product

**Features to be tested**

Navigation to product detail page from search or category listing

Accurate display of product information like title, price, stock

Product image viewing thumbnail, zoom, gallery

Product attribute selection eg: colour, size, etc.

Quantity field validation minimum = 1, prevents negative/invalid input

Add to Cart button functionality with correct product and quantity

Cart summary updates correctly with added product

Error messages for invalid operations e.g., adding 0 quantity, out-of-stock items

Link to related products

cross-browser checking for chrome, firefox, edge browsers cross-device checking for mobile, tablet, desktop, performance like finding load time and response time.

**Features not to be tested:**

Product reviews and rating submission functionality

Backend product management like adding, updating, deleting products

load testing with very large product catalog

Backend database query optimization.

**Approach**: Automation testing(Selenium with TestNG & Cucumber BDD) and manual testing(black box testing(functional testing))

**Items pass/fail criteria:**

Pass: If the actual output matches the expected output without major defects.

Fail: If critical features do not function correctly or block further testing.

Suspension criteria & resumption requirements: 28/08/2025

Test deliverables =

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Review docs

Bug analysis report etc.

Environment needs = Windows 11, PCs, Chrome browser, and Firefox browser, network, phone, tablet.

Responsibilities = Manasa (Prepare test cases and test analysis report)

Staffing & training needs = Selenium WebDriver

Schedule = 28/08/2025

Risk and Contingency = No Risk

Approval = Manager name

**Test Plan on OpenCart Checkout Process Module**

**Test plan identifier**: tp\_opencart\_checkout\_2025\_v1

**Introduction**: This module allows users to review their cart, enter shipping details, choose payment methods, apply discount codes (if available), and confirm their orders.

**Test items**: Adding products to cart and proceeding to checkout, Cart summary product name, price, quantity, total, Editing cart items before checkout update or remove products, Entering billing and shipping details, Selecting shipping methods (if multiple options, Reviewing order summary before placing the order, Confirming the order and verifying order confirmation page.

**Features to be tested**

Cart Operations

Billing & Shipping Details

Shipping Methods

Payment Methods

Order Review

Order Confirmation

Cross-browser checking for chrome, firefox, edge browsers cross-device checking for mobile, tablet, desktop, performance like finding load time and response time.

**Features not to be tested:**

Actual payment gateway live transactions

Third-party integrations (PayPal, Stripe, Razorpay, etc.).

Email/SMS order confirmation notifications.

Admin-side order management (inventory update, shipping management).

Load testing for very high concurrent checkout transactions.

**Approach**: Automation testing(Selenium with TestNG & Cucumber BDD) and manual testing(black box testing(functional testing))

**Items pass/fail criteria:**

Pass: If the actual output matches the expected output without major defects.

Fail: If critical features do not function correctly or block further testing.

Suspension criteria & resumption requirements: 28/08/2025

Test deliverables =

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Bug analysis report etc.

Environment needs = Windows 11, PCs, Chrome browser, and Firefox browser, network, phone, tablet.

Responsibilities = Manasa (Prepare test cases and test analysis report)

Staffing & training needs = Selenium WebDriver

Schedule = 28/08/2025

Risk and Contingency = No Risk

Approval = Manager name

**Test Plan on OpenCart Contact Module**

**Test plan identifier**: tp\_opencart\_contact\_2025\_v1

**Introduction**: The Contact module allows customers to reach the store admin via a contact form. Users can enter their name, email address, enquiry message, and submit it. A confirmation message is displayed on successful submission. This module helps improve communication between customers and the store.

**Test items**: Navigation to Contact page from footer/header, Contact form fields, Form submission with valid and invalid data, Validation messages, Success message after valid submission, Page redirection

**Features to be tested**

Contact page accessibility from menu/footer.

Required fields (Name, Email, Enquiry).

Email format validation.

Character limits in enquiry box.

Submission with valid inputs

Submission with invalid inputs

Cross-browser checking for chrome, firefox, edge browsers cross-device checking for mobile, tablet, desktop, performance like finding load time and response time.

**Features not to be tested:**

Email delivery to admin.

Spam protection.

Admin-side management of enquiries.

Integration with external CRM or helpdesk tools.

Load testing for very high concurrent checkout transactions.

**Approach**: Automation testing(Selenium with TestNG & Cucumber BDD) and manual testing(black box testing(functional testing))

**Items pass/fail criteria:**

Pass: If the actual output matches the expected output without major defects.

Fail: If critical features do not function correctly or block further testing.

Suspension criteria & resumption requirements: 28/08/2025

Test deliverables =

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Bug analysis report etc.

Environment needs = Windows 11, PCs, Chrome browser, and Firefox browser, network, phone, tablet.

Responsibilities = Manasa (Prepare test cases and test analysis report)

Staffing & training needs = Selenium WebDriver

Schedule = 28/08/2025

Risk and Contingency = No Risk

Approval = Manager name

**Test Plan: OpenCart My Account Module**

**Test Plan Identifier**: tp\_opencart\_myaccount\_2025\_v1

**Introduction**: The **My Account module** enables registered users to manage their personal information, update passwords, view orders, manage affiliate account details, and control newsletter subscriptions. This module is critical for maintaining user engagement, personal data accuracy, and account-related operations.

**Test items**: Navigation to My Account page, Viewing and editing personal details (name, email, phone, address), Password change functionality, Access to My Orders section, Access to My Affiliate Account section, Access to Newsletter subscription section, Logout and re-login behaviour.

**Features to be tested**

Verify My Account link is accessible from header/footer.

View and update personal details.

Input validations (email format, mandatory fields, etc.).

Change password with valid current password.

Handle invalid current password attempts.

Verify orders are listed correctly.

Check order details view.

Subscribe/unsubscribe options.

Verify success messages after update.

Cross-browser checking for chrome, firefox, edge browsers cross-device checking for mobile, tablet, desktop, performance like finding load time and response time.

**Features not to be tested:**

Admin-side account management.

Actual affiliate commissions or payouts.

Integration with external CRM or ERP systems.

Backend email/SMS notifications after account updates.

Security features like brute-force login protection.

Load testing for very high concurrent checkout transactions.

**Approach**: Automation testing(Selenium with TestNG & Cucumber BDD) and manual testing(black box testing(functional testing))

**Items pass/fail criteria:**

Pass: If the actual output matches the expected output without major defects.

Fail: If critical features do not function correctly or block further testing.

Suspension criteria & resumption requirements: 28/08/2025

Test deliverables =

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Bug analysis report etc.

Environment needs = Windows 11, PCs, Chrome browser, and Firefox browser, network, phone, tablet.

Responsibilities = Manasa (Prepare test cases and test analysis report)

Staffing & training needs = Selenium WebDriver

Schedule = 28/08/2025

Risk and Contingency = No Risk

Approval = Manager name