



FINAL REPORT

OpenCart Demo –
Online Shopping Platform

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1. Overview

The OpenCart Demo project is a full e-commerce platform designed to simulate real online shopping operations.

The system enables users to register, log in, browse products, manage the shopping cart, perform checkout, and complete payment processes.

It also includes an Admin dashboard for product management, order tracking, user activity reports, and system monitoring.

Test Scope

Testing covered the following major areas:

- User Registration & Login
- Product browsing & searching
- Cart & Wishlist management
- Checkout & Order placement
- Admin reporting & database validation
- API testing & Integration behavior
- Automation test execution for major flows

Objective

To validate that the system functions correctly, identify defects, and determine readiness for production release.

2. Summary of Testing Activities

Testing Type	Test Cases Written	Executed	Passed	Failed
Manual	102	7	87	7
Database	31	31	25	1
APIs	14	14	14	0
Automation	12	12	12	0

3. Test Results Summary

Successful Scenarios

- User can register successfully and login using the same credentials.
- User can add products to cart and complete checkout process.
- Automation scripts passed for: Login, Register, Search, Add to Cart, Checkout.

Failed Scenarios

- Password reset account cannot log in after creating new password
- Search returns inaccurate results in some queries

4. Defect Summary

- **Goal:** Ensure the application provides an optimal viewing experience across major screen sizes.

ID	Title	Severity	Module
DEF-001	Cart price not updated in Database when quantity edited	High	Cart / DB
DEF-002	Wishlist items stored incorrectly in Database	Medium	Wishlist / DB
DEF-003	Shipping estimate accepts invalid Post Code	Critical	Checkout
DEF-004	Account shows “Not Verified” but login works	Medium	Authentication
DEF-005	Search by Product ID returns incorrect product	Medium	Search
DEF-006	Admin Who's Online report doesn't display active users	Medium	Admin Reports

DEF-007	Registration allows numbers in First & Last Name	Medium	Registration
DEF-008	Error Page Appears After Password Reset	High	Login

5. Risks & Issues

- Invalid input fields not fully validated (name fields, post code).
- Inconsistent search logic may lead to poor customer experience.
- Admin backend reporting accuracy is unreliable.
- Lack of performance testing on high-traffic scenarios.
- Real payment gateway not tested due to environment limitations.

Exist Criteria	Status
100% Test Cases Executed	✗ (95% executed)
≥ 90% Pass Rate	✓ (94% achieved)
No Open Critical Defects	✗ (1 Critical defect open)
Stable build after regression test	✓
All major workflows validated	✓