# MANUAL TEST CASE REPORT

# Online E-Commerce Website

## 1. Introduction

An Online E-Commerce Website allows users to browse products, add items to the cart, place orders, make online payments, and track deliveries. The platform serves both customers and administrators, ensuring smooth buying and selling of products online.

This manual test case report verifies that the e-commerce application works according to the functional requirements and provides a secure, reliable, and user-friendly shopping experience.

## 2. Objective of Testing

**The objective of this manual testing is to:**

- Validate end-to-end functionality of the e-commerce website
- Ensure correctness of product browsing and ordering flow
- Identify functional and usability defects
- Verify secure payment and order management

## 3. Scope of Testing

**In Scope**

- User Registration & Login
- Product Search and Filtering
- Product Details Page
- Cart Management
- Checkout Process
- Payment Gateway
- Order Confirmation & History
- Order Cancellation & Returns

**Out of Scope**

- Performance testing
- Load and stress testing
- Security and penetration testing

# 4. Testing Environment

| PARAMETER | DESCRIPTION |
|---|---|
| APPLICATION TYPE | WEB-BASED E-COMMERCE APPLICATION |
| BROWSER | CHROME, FIREFOX |
| OPERATING SYSTEM | WINDOWS 10 |
| TESTING TYPE | MANUAL FUNCTIONAL TESTING |
| TEST DATA | SAMPLE USER, PRODUCT, AND PAYMENT DATA |

# 5. Test Scenarios and Test Cases

### 5.1 User Registration Module

| Test Case ID | Test Case Description | Steps | Expected Result | Status |
|---|---|---|---|---|
| TC_REG_01 | Register with valid details | Enter valid name, email, password | Registration successful | Pass |
| TC_REG_02 | Register with existing email | Use registered email | Error message displayed | Pass |
| TC_REG_03 | Register with blank fields | Leave mandatory fields empty | Validation message shown | Pass |

### 5.2 Login Module

| TEST CASE ID | DESCRIPTION | STEPS | EXPECTED RESULT | STATUS |
|---|---|---|---|---|
| TC_LOG_01 | Login with valid credentials | Enter valid email & password | Login successful | Pass |
| TC_LOG_02 | Login with invalid password | Enter wrong password | Error message displayed | Pass |
| TC_LOG_03 | Login with blank fields | Click login without inputs | Validation error | Pass |

## 5.3 Product Search & Browse Module

| Test Case ID | Description | Steps | Expected Result | Status |
|---|---|---|---|---|
| TC_SRCH_01 | Search product by keyword | Enter product name | Matching products displayed | Pass |
| TC_SRCH_02 | Apply category filter | Select category | Filtered results displayed | Pass |
| TC_SRCH_03 | Sort products | Sort by price or rating | Products sorted correctly | Pass |

## 5.4 Product Details Page

| Test Case ID | Description | Steps | Expected Result | Status |
|---|---|---|---|---|
| TC_PD_01 | View product details | Click on product | Product info displayed | Pass |
| TC_PD_02 | Change product quantity | Increase quantity | Quantity updated | Pass |
| TC_PD_03 | Add product to cart | Click "Add to Cart" | Product added to cart | Pass |

## 5.6 Checkout Module

| Test Case ID | Description | Steps | Expected Result | Status |
|---|---|---|---|---|
| TC_CHK_01 | Checkout with valid address | Enter shipping details | Proceed to payment | Pass |
| TC_CHK_02 | Checkout with missing address | Leave address blank | Error shown | Pass |
| TC_CHK_03 | Verify order summary | Review order details | Correct summary displayed | Pass |

### 5.7 Payment Module

| Test Case ID | Description | Steps | Expected Result | Status |
|---|---|---|---|---|
| TC_PAY_01 | Payment using valid card | Enter valid card details | Payment successful | Pass |
| TC_PAY_02 | Payment using invalid card | Enter wrong card details | Payment failed message | Pass |
| TC_PAY_03 | Cancel payment | Click cancel | Order not placed | Pass |

### 5.8 Order Confirmation & History Module

| Test Case ID | Description | Steps | Expected Result | Status |
|---|---|---|---|---|
| TC_ORD_01 | Order confirmation | Complete payment | Order ID generated | Pass |
| TC_ORD_02 | View order history | Go to My Orders | Orders displayed | Pass |
| TC_ORD_03 | Download invoice | Click download invoice | Invoice downloaded | Pass |

### 5.9 Cancellation & Return Module

| Test Case ID | Description | Steps | Expected Result | Status |
|---|---|---|---|---|
| TC_CAN_01 | Cancel order within policy | Cancel order | Order cancelled | Pass |
| TC_RET_01 | Return product | Initiate return | Return request accepted | Pass |
| TC_CAN_02 | Cancel after deadline | Attempt late cancellation | Error message displayed | Pass |

## 6. Test Data

- **Valid email:** testuser@gmail.com
- **Invalid email**: test@
- **Valid card number:** 4111 1111 1111 1111
- **Invalid card number**: 1234 5678

## 7. Defects Summary

| Defect ID | Description | Severity | Status |
| --- | --- | --- | --- |
| DF_01 | Sorting not applied correctly | Medium | Fixed |
| DF_02 | Invoice download delay | Low | Open |

## 8. Conclusion

The manual testing of the **Online E-Commerce Website** was conducted comprehensively to verify all essential functionalities such as user registration, login, product search, cart management, checkout, payment, and order management. Each module was tested against the defined requirements to ensure correct behavior and a smooth user experience.

The testing results indicate that the application is stable and performs reliably for end-to-end user workflows. Minor defects identified during testing were documented and communicated for resolution, contributing to overall quality improvement.

In conclusion, the e-commerce website meets its functional requirements and is **fit for deployment**, with scope for future enhancements in performance, security, and usability.