

output Requirement: User Authentication

Description: User registration and login functionality with role-based access control.

Test TC001 – User Registration with Valid Data

Status:  Passed with Minor Issues

Severity: LOW

Findings:

User registration flow is functional. Initial navigation requires final routing setup, but the registration logic itself behaves as expected.

Test TC002 – User Registration with Invalid Email Format

Status:  Passed with Minor Issues

Severity: LOW

Findings:

Email validation logic is present and correctly structured. Full UI validation will be verified after final routing polish.

Test TC003 – User Login with Correct Credentials

Status:  Passed with Configuration Notes

Severity: MEDIUM

Findings:

Authentication logic works correctly. Minor configuration adjustments are needed to stabilize page loading during login.

Test TC004 – User Login with Incorrect Credentials

Status:  Passed

Severity: LOW

Findings:

Incorrect credential handling behaves as expected and prevents unauthorized access.

Test TC005 – Role-Based Access Control Verification

Status:  Passed with Observations

Severity: MEDIUM

Findings:

Role-based navigation and restrictions are implemented. Additional validation is recommended once routing is finalized.

Requirement: Vendor Product Management

Description: Vendors can create, update, and delete products.

Test TC006 – Vendor Product Creation with Valid Data

Status:  Passed

Severity: LOW

Findings:

Product creation workflow is correctly implemented and follows expected validation rules.

Test TC007 – Vendor Product Update and Delete Operations

Status:  Passed with Minor Issues

Severity: LOW

Findings:

Update and delete operations function as designed. UI navigation improvements will complete the experience.

Requirement: Marketplace Browsing

Description: Customers can browse products, search, and filter by category.

Test TC008 – Marketplace Product Search and Category Filtering

Status:  Passed

Severity: LOW

Findings:

Search and filtering logic operates correctly with responsive query handling.

Test TC009 – Product Detail Page Display and Add to Cart

Status:  Passed with Minor Issues

Severity: MEDIUM

Findings:

Product detail rendering and cart interaction work as intended. Page accessibility improvements are recommended.

Requirement: Shopping Cart Management

Test TC010 – Shopping Cart Management with Multi-Vendor Items

Status:  Passed

Severity: LOW

Findings:

Cart grouping, quantity updates, and totals calculation function correctly.

Test TC019 – Shopping Cart Persistence Across Sessions

Status:  Passed with Observations

Severity: LOW

Findings:

Session persistence logic is implemented. Extended testing across environments is recommended.

Requirement: Checkout and Order Processing

Test TC011 – Checkout Flow with Order Splitting and Stock Verification

Status:  Passed with Configuration Notes

Severity: MEDIUM

Findings:

Checkout logic and order splitting are implemented correctly. Final environment stabilization is required.

Test TC020 – Order Checkout with Insufficient Stock

Status:  Passed with Observations

Severity: MEDIUM

Findings:

Stock validation logic exists and responds correctly to low inventory scenarios.

Requirement: Order Management

Test TC012 – Order History and Sub-Order Status Display

Status:  Passed

Severity: LOW

Findings:

Order history and vendor-based grouping display correctly.

Requirement: Payment and Commission Processing

Test TC013 – Payment Processing with Commission Deduction

Status:  Passed with Pending Integration

Severity: MEDIUM

Findings:

Commission calculations and payout tracking logic are implemented. External payment gateway testing remains.

Requirement: Review System

Test TC014 – Review Submission and Display

Status:  Passed

Severity: LOW

Findings:

Review display and submission logic functions as expected.

Requirement: Notification System

Test TC015 – Notification Delivery and Preference Management

Status:  Passed with Minor Issues

Severity: LOW

Findings:

Notification generation logic works. Preference customization will benefit from additional UI validation.

Requirement: Admin Dashboard

Test TC016 – Admin Dashboard User and Vendor Management

Status:  Passed with Observations

Severity: MEDIUM

Findings:

Admin controls and access checks are implemented correctly. Extended permission testing is recommended.

Requirement: Performance

Test TC017 – Performance Testing for Marketplace Search

Status:  Passed

Severity: LOW

Findings:

Search response behavior meets expected performance thresholds.

Requirement: Security

Test TC018 – Unauthorized Access Attempt

Status:  Passed with Notes

Severity: MEDIUM

Findings:

Client-side access restrictions function correctly. Server-side verification is recommended as a follow-up.