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**Test Plan for Tutorials Ninja**

**Introduction**

Project Name: Tutorials Ninja – Wishlist & Shopping Cart Functionality Testing.

Prepared By: Shivani Singh.

Date: 29/01/2025.

Reviewed By: Mr. Shiva Kumar.

Version: Website.

Approved By: Mr. Shiva Kumar.

**1. Objective**

To ensure the highest quality and seamless functionality of the " Wishlist functionality & Shopping Cart" feature on the OpenCart demo e-commerce website. This test plan aims to validate the feature’s functionality, usability, and performance to deliver an optimal shopping experience. The goal is to identify any issues impacting user satisfaction or operational efficiency, ensuring a robust and user-friendly feature.

**2. Scope.**

Functional Testing of Wishlist & Shopping Cart Functionality Testing.

Usability Testing of the Wishlist & Shopping Cart Functionality Testing.

Performance Testing for the Wishlist & Shopping Cart Functionality Testing.

Compatibility Testing across different browsers and devices.

Security Testing for data integrity and protection.

Website: [OpenCart Demo] (https://tutorialsninja.com/demo/).

Feature: Wishlist & Shopping Cart Functionality Testing.

**3. Test Environment**

Browsers Chrome, Firefox, Edge, Safari.

Devices Desktops, Smartphones iOS, Android, Tablets.

Network Simulate various network conditions such as high latency.

**4. Testing Tools & Resources**

This section outlines the tools and resources that will be used to execute the testing process.

1. Bug Tracking & Test Management Tools:
   * JIRA (for tracking and managing defects)
   * Ms Excel (for test case management)
2. Cross-Browsing:
   * For testing on multiple browsers and devices.
3. Resources:
   * Functional requirements document.
   * Test cases specifications.
   * Access to staging/test environment.

**5. Deliverables.**

Test Plan Document.

Test Scenarios and Test Cases.

Defect Reports.

Test Summary Report.

Xmind Presentation Report.

**6. Risks and Mitigation Plan.**

Risk: Team member availability issues.

Mitigation: Cross-train team members and maintain detailed documentation.

Risk: Changes in website functionality affecting test cases.

Mitigation: Regular updates and reviews of the test plan.

Risk: Inconsistent behaviour across browsers or devices.

Mitigation: Extensive cross-browser and cross-device testing.

Risk: Delays in test environment setup.

Mitigation: Prepare backup plans for alternative testing setups.

**7. Entry and Exit Criteria.**

**Entry Criteria –**

Test environment setup is complete.

Test data is prepared and available.

Test cases are reviewed and approved.

**Exit Criteria-**

All planned test cases are executed.

Critical defects are resolved or documented with mitigation plans.

Test summary report is reviewed and approved.

**8. Roles and Responsibilities.**

Test Lead: (Mr. Shiva Kumar) Coordinate test activities, manage test plans, and handle escalations.

Test Engineers: (Mr. Shivani Singh) Execute test cases, report bugs, and validate fixes.

**9. Scheduling.**

Test Planning - 29/01/25.

Test Design and Development - 29/01/25.

Test Execution - 29/01/25.

Defect Reporting and Retesting - 29/01/25.

Test Closure - 29/01/25.

**10. Defect Tracking**

Use JIRA to log, track, and manage defects.

Each defect will be categorized by severity and assigned to the relevant team member.

Regular status meetings to review and prioritize defect resolution.

**11. Acceptance Criteria**

**Functional Criteria:**

* All core functionalities (login, registration, product search, add to cart, checkout, etc.) should work as expected.
* No major defects should be present in the final release.
* All business rules and workflows should function correctly.

**Usability Criteria:**

* The website should be user-friendly, with intuitive navigation and UI consistency.
* Responsive design should be verified across different screen sizes.

**Performance Criteria:**

* Page load time should be within acceptable limits (<3 seconds for critical pages).
* Website should handle expected user load without performance degradation.

**Security Criteria:**

* No critical security vulnerabilities should be present.
* Proper authentication and authorization mechanisms should be in place.

**Compatibility Criteria:**

* The website should work correctly on major browsers (Chrome, Firefox, Edge, Safari).
* It should function properly on both desktop and mobile devices.

**Regression Criteria:**

* No new bugs should be introduced in previously working functionalities.

**Bug Resolution Criteria:**

* All high-priority and critical bugs should be fixed before deployment.
* Non-critical bugs should be documented and scheduled for future fixes.

**Conclusion**

This test plan outlines a detailed strategy for validating the " Wishlist & Shopping Cart Functionality Testing" functionality of the OpenCart demo e-commerce website. By implementing this plan, we aim to ensure that the feature operates effectively, provides a positive user experience, and performs optimally under various conditions. The structured methodology detailed herein will guide the testing process, facilitating the identification and resolution of issues to deliver a reliable and user-friendly feature.