

TEST PLAN

Project Name: Tutorials Ninja E-commerce Website

Prepared By: Kanav Goswami

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1. Introduction

This document outlines the testing methodology, strategy, and scope for the Tutorials Ninja E-commerce platform. It ensures robust validation of features to guarantee user satisfaction, performance, and security.

AUT (Application Under Test): Tutorials Ninja Demo

2. Objectives

Ensure a smooth user experience by validating functionalities like product browsing, cart operations, and checkout processes.

Detect and resolve bugs promptly.

Maintain platform performance and compliance with user expectations and industry standards.

3. Scope

Inclusions:

Functional Testing: Validating core features like registration, product browsing, and checkout.

Usability Testing: Verifying user-friendliness across devices.

Performance Testing: Assessing behavior under high traffic.

Security Testing: Identifying vulnerabilities to safeguard data.

Compatibility Testing: Ensuring cross-browser and device operability.

4. Testable Features

User Registration and Login

Search & Filter Options

Add to Cart, Wishlist, and Checkout Process

Payment Gateway

Error Handling

Security Features

Cross-Browser Compatibility

5. Testing Approach

Testing Types:

Functional Testing

Compatibility Testing

Regression Testing

User Acceptance Testing (UAT)

Methodologies:

Black-box Testing

White-box Testing

Environment:

UAT and Pre-Production Environments

Tools: Selenium, Postman, Jira

6. Roles & Responsibilities

Name	Role	Responsibilities
Kanav Goswami	Test Engineer	Write and execute test cases, defect tracking.

7. Test Schedule

Task	Time Duration
Test Plan Creation	17-01-2025
Test Scenario Creation	17-01-2025
Test Case Creation	18-01-2025
Test Case Execution	18-01-2025

Task	Time Duration
Summary Report Submission	19-01-2025

8. Test Deliverables

Test Plan: Outline of testing strategies and objectives.

Test Cases: Detailed steps for feature verification.

Defect Reports: Comprehensive documentation of identified bugs.

Summary Report: Overview of test execution and recommendations.

9. Entry & Exit Criteria

Entry Criteria:

Availability of requirement documents and test environments.

Test data preparation is complete.

Exit Criteria:

Successful execution of critical test cases.

Review and approval of summary reports.

10. Risks and Mitigation Plans

Risk	Mitigation Plan
Delays in Test Environment Setup	Coordinate with the DevOps team for timely setup.
Incomplete Requirements Documentation	Collaborate with subject matter experts for clarity.

11. Approvals

Testing activities will proceed only after receiving client approval for:

Test Plan

Test Cases Test Results and Bug Reports