**Test Plan for TutorialsNinja Website**



1**. Introduction**

The purpose of this test plan is to outline the testing strategy, scope, objectives, and approach for the TutorialsNinja Demo website. The goal is to ensure that the website is functional, user-friendly, and meets the specified requirements.

2**. Objective**

Verify that all functionalities work as expected.

Ensure the website is user-friendly and intuitive.

Identify and report any defects or issues.

Validate the website's performance and security.

Confirm compatibility with different browsers and devices.

3. **Scope**

The testing will cover the following areas of the TutorialsNinja Demo website:

Homepage

Product Listing

Product Details

Shopping Cart

Checkout Process

User Account Management

Search Functionality

Navigation and UI/UX

**4. Test Approach**

Functional Testing : Verify that all features and functionalities work correctly.

Usability Testing : Ensure the website is easy to navigate and use.

Compatibility Testing : Test the website on different browsers and devices.

Performance Testing : Evaluate the website's performance under different conditions.

Security Testing : Ensure the website is secure and protects user data.

5**. Test Team**

Test Lead : Oversee the testing process, manage the team, and ensure the test plan is followed.

Test Engineers : Execute test cases, report defects, and perform regression testing.

QA Manager : Review test results, ensure quality standards are met, and provide final approval.

Developers : Assist in resolving defects and ensuring the website meets requirements.

Project Manage : Coordinate between the test team and stakeholder

6. **Features to be Tested**

Homepage functionality

Product listing and filtering

Product details and reviews

Shopping cart functionality

Checkout process

User account management

Search functionality

Navigation and UI/UX

7. **Features Not to be Tested**

Backend administrative functionalities

Third-party integrations beyond payment gateways

Advanced analytics and reporting features

8. **Testing Types**

Functional Testin : Verify that all features and functionalities work correctly.

Usability Testing : Ensure the website is easy to navigate and use.

Compatibility Testing : Test the website on different browsers and devices.

Performance Testing : Evaluate the website's performance under different conditions.

Security Testing : Ensure the website is secure and protects user data.

Regression Testing : Ensure that new changes do not affect existing functionalities.

9**. Test Environment**

Browsers : Chrome, Firefox, Brave, Edge

Devices : Desktop, Tablet, Mobile

Operating Systems : Windows, macOS, iOS, Android

Network Conditions : Normal, slow, and fast internet speeds

10**. Test Schedule**

Phase 1: Functional Testing (Day 1-2)

Phase 2 : Usability Testing (Day 3)

Phase 3 : Compatibility Testing (Day 4)

Phase 4 : Performance Testing (Day 5)

Phase 5 : Security Testing (Day 6)

Phase 6 : Regression Testing ( Day 7)

Phase 7 : Final Review and Reporting (Week 8)

11. **Test Deliverables**

Test Plan Document

Test Cases Document

Test Scripts

Defect Reports

Final Test Summary Report

12**. Entry and Exit Criteria**

Entry Criteria

All functional and non-functional requirements are clearly defined and documented.

The test environment is set up and ready for use.

All necessary test data is available and validated.

All test cases are written and reviewed.

All required resources (test engineers, tools, etc.) are available.

Exit Criteria

All planned test cases have been executed.

All high and medium priority defects have been resolved and retested.

Adequate test coverage has been achieved for all functional areas.

The website meets the defined performance criteria.

The website meets the defined security criteria.

The website is compatible with all specified browsers and devices.

All test documentation is complete and reviewed.

13. **Roles and Responsibilities**

Test Lead : Shiva Kumar Sir Oversee the testing process, manage the team, and ensure the test plan is followed.

Test Engineers : Shivani singh Execute test cases, report defects, and perform regression testing.

QA Manager : Prachi Review test results, ensure quality standards are met, and provide final approval.

Developers : Masai Assist in resolving defects and ensuring the website meets requirements.

Project Manager :Pooja Yadav Maam Coordinate between the test team and stakeholders.

14. **Risks and Mitigation**

Risk : Incomplete or inaccurate requirements.

Mitigation : Regular communication with stakeholders to clarify requirements.

Risk : Delays in test environment setup.

Mitigation : Ensure early setup and validation of the test environment.

Risk : Insufficient time for testing.

Mitigation : Prioritize critical test cases and allocate additional resources if needed.

Risk : Unexpected defects in third-party integrations.

Mitigation : Maintain open communication with third-party vendors and have contingency plans.

15. **Approvals**

Test Plan Approval : The test plan must be approved by the QA Manager and Project Manager before testing begins.

Defect Reports Approval : All defect reports must be reviewed and approved by the Test Lead and QA Manager.

Final Test Summary Report Approval : The final test summary report must be reviewed and approved by the QA Manager and Project Manager before the website goes live.