

TEST PLAN

Project name: Tutorials Ninja Web Application

Project prepared by:- Prikishit Bhardwaj and Shubham Giri

Dated:- November, 2024



TABLE OF CONTENTS

1. Introduction
2. Objectives
3. Scope
4. Testable Features
5. Testing Approach
6. Roles/Responsibilities
7. Test Schedule
8. Test Deliverables
9. Entry & Exit Criteria

10. Tools

11. Risks and Management

12. Approvals

1. **INTRODUCTION**

This document outlines the testing approach, strategies, and scope for theTutorials Ninja Web Application. It details the objectives, schedule, resource allocations, test deliverables, and reports.

**AUT:** [**https://tutorialsninja.com/demo**](https://tutorialsninja.com/demo)

2**.Objectives**: Update to cover key e-commerce functionalities, such as:

* Product Browsing
* Add to Cart
* Checkout Process
* User Registration and Login
* Order History
* Payment Gateway Integration
* Wishlist and Favorites
* Product Search and Filters
* Profile Management
* Notifications (if applicable)

3**.SCOPE**

Ensure it includes testing for e-commerce workflows, including payment integration, inventory updates, and order confirmation.

4**. TESTABLE FEATURES**

* **User Registration and Login**
* **Product Search and Filtering**
* **Add to Cart and Checkout**
* **Payment Processing**
* **Order Confirmation and History**
* **Profile Management**
* **Notifications (if applicable)**

5**. TESTING APPROACH**

* **Functional Testing**
* **Compatibility Testing**
* **API Testing**

6.**TESTING METHODOLOGIES**

* **Black-box Testing**
* **White-box Testing**
* **Regression Testing**
* **User Acceptance Testing (UAT)**

**7. TESTING ENVIRONMENT**

* **Operating System: Windows 10 or above**
* **Browsers: Chrome, Firefox, Safari**
* **Testing Tools: Cypress (for automation), Postman (for API testing), Jira, Zephyr**

8**.ROLES AND RESPONSIBILITIES**

|  |  |
| --- | --- |
| ROLES | RESPONSIBILITIES |
| TEST MANAGER | * Manage budget and resources. * Allocating additional support resources. * Assess and prioritize project risks/tasks. * Monitoring project progress. |
| TEST LEAD | * Develop test plans * assign tasks * monitor risks * review results. |
| TEST ENGINEER | * Write and execute test cases, * defect tracking, * and reporting. |

9**.TEST SCHEDULE**

|  |  |
| --- | --- |
| Test plan creation | DD/MM/YYYY |
| Test Scenario Creation | DD/MM/YYYY |
| Test Case Creation | DD/MM/YYYY |
| Test Case Execution | DD/MM/YYYY |
| Summary Report Submission | DD/MM/YYYY |

10.**TEST DELIVERABLES**

|  |  |  |  |
| --- | --- | --- | --- |
| DELIVERABLES | DESCRIPTION | RESPONSIBLE  OWNER | TARGET  COMPLETION DATE |
| TEST PLAN | Outlines the testing approach, strategies, and scope | N/A | DD/MM/YYYY |
| TEST CREATION | Created for functional and compatibility testing. | N/A | DD/MM/YYYY |
| DEFECT REPORTS | Detailed description of defects identified. | N/A | DD/MM/YYYY |

11. **ENTRY AND EXIT CRITERIA**

**Requirement Analysis**

* **Entry Criteria:** Requirements documents received.
* **Exit Criteria:** Requirements understood and clarified.

**Test Planning**

* **Entry Criteria:** Derived testable requirements.
* **Exit Criteria:** Client-approved Test Plan.

**Test Designing**

* **Entry Criteria:** Approved Test Plan.
* **Exit Criteria:** Prepared and signed-off Test Scenarios and Test Cases.

**Test Execution**

* **Entry Criteria:** Approved Test Scenarios and Test Cases.
* **Exit Criteria:** Test Case Reports and Defect Reports ready.

**Test Closure**

* **Entry Criteria:** All necessary reports prepared.
* **Exit Criteria:** Completed Test Summary Reports.

12**. TOOLS**

* **Manual Testing Tools: Chrome Inspect, Browser**
* **Automation Testing Tools: Cypress, Postman**
* **Project Management: Jira, Zephyr**

13.**RISKS AND MANAGEMENT**

|  |  |
| --- | --- |
| Risks | Mitigation plans |
| Lack of Automation Testers | Backup Resource Planning |
| No detailed Requirements are available | Subject matter experts for deep understanding |

14**.Approvals**

MASAI will send different documents for Client Approval, such as:

* Test Plan
* Test Scenarios
* Reports

Testing will continue to the next steps only after these approvals are done.