**Masai**

| TEST PLAN |
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| Project Name: **TutorialsNinja- Change Password** |
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| Prepared By: Shivam,  Date: July 21, 2024 |
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**Introduction**

This document aims to give an overview of the testing approach, strategies, and scope for the **tutorialsninja** application. This document includes details like the scope of the project, objectives, test schedule and resource allocations, test deliverables and reports.

**Link: https://tutorialsninja.com/demo/index.php?route=common/home**

**Objectives**

* To ensure the functionalities of key features such as product search, reset password, password change, and account management.
* To confirm compatibility with different browsers.

| **Scope** |
| --- |
| This test plan covers only functional testing and usability testing of the **tutorialninja** application across different scenerio.    **Testable features:**   * Login * Forgot password, New user * Search * Add to cart * Advanced search for Password Change * Q&N Section * Help Section * Links * Email Registered * Visibility of functions |
|  |

**Testing Approach:**

* **Te**sting Types
  + Functional Testing
  + usability Testing

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

* Testing Environment
* UAT
* Pre-Prod

* Operating System
* Windows 12 and macOS
* Browsers: [Chrome and Firefox]
* Testing Tools: [cypress]

**Roles/Responsibilities**

| Shiva Kumar | Test Manager | * Manage budget and resources. * We are allocating additional support resources. * Assess and prioritise project risks/tasks. * Monitoring project progress. * Resolve communication issues and conflicts effectively. |
| --- | --- | --- |
| Shivam Sharma | Test Lead | * Develop test plans and strategies in alignment with project objectives and requirements. * Assign tasks, set priorities, and provide support to team members. * Review test results and provide feedback to team members. * Monitor and manage risks throughout the testing life cycle. |

**Test Schedule  
  
Following is the test schedule planned for the project:**

| **Task** | **Time Duration** |
| --- | --- |
| Test Plan Creation | 16 July 2024 |
| Test Scenario Creation | 17 July 2024 |
| Test Case Creation | 18 July 2024 |
| Test Case Execution | 20 July 2024 |
| Summary Report Submission | 21 July 2024 |

**Test Deliverables**

The Following are to be delivered to the clients:

| **Deliverables** | **Description** | **Responsible Owner** | **Target Completion**  **Date** |
| --- | --- | --- | --- |
| Test Plan | Outlines the **tutorialninja** web application's testing approach, strategies, and scope. | Masai | 17 July 2024 |
| Test Cases | Test Cases created for both functional testing and Usability testing | Masai | 18 July 2024 |
| Defect Reports | A detailed description of the defects identified in different versions of the application. | Masai | 20 July 2024 |

**Entry and Exit Criteria**

Below are the entry and exit criteria for every phase of the Software Testing Life Cycle:

**Requirement Analysis**

* **Entry Criteria:**  
   Once the testing team receives the Requirements documents and uses the documents of

the project includes what functions need to be tested and how the software should behave.

* **Exit Criteria:**

The testing team should thoroughly explore and understand each requirement listed in the documents. Any doubts or uncertainties regarding the requirements should be addressed and clarified to ensure that the testing team has a clear understanding of what needs to be tested and how it should behave.

**Test Planning**

**Entry Criteria:**

* Testable Requirements derived from the given Requirements documents Test Plan
* Document includes the Test Strategy, which provides a high-level overview of how testing will be conducted.

**Exit Criteria:**

Test Plan is signed off by the Client (tutorialninja)

**Test Designing**

**Entry Criteria:**  
 The Test Plan document needs to be reviewed and approved by the client and then the Test Plan Document is signed off by the Client

**Exit Criteria:**  
 Test Scenarios and Test Cases Documents are prepared, they need to be reviewed and signed off by the Client.

**Test Execution**

* **Entry Criteria:**  
   Test Scenarios and Test Cases document needs to be reviewed and approved by the client and documents are signed-off by the Client. The application is ready for further Testing.
* **Exit Criteria:**  
   Test Case Reports and defect Reports are ready

**Test Closure**

* **Entry Criteria:**  
   Test Case Reports and defect Reports are ready
* **Exit Criteria:**  
   Test Summary Reports, it overviews of the entire testing process

**Tools**

The following are the list of Tools we will be using in this Project:   
 X mind map Tool

Google - Sheet

Google - Docs

Cypress - Automation Tool

**Risks and Mitigation Plans:**

The following is the list of risks possible and the ways to mitigate them:

| **Risk** | **Mitigation Plans** |
| --- | --- |
| Lack of Automation Testers | Backup Resource Planning |
| No details Requirement Available | Subject matter experts available for a deep understanding of functions |

**Approvals**

Masai will send different types of documents for Client Approval like below:

* Test Plan
* Test Scenarios
* Reports
* Summary reports
* X - mindmap
* Bug Report

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