**Introduction**

The aim of this document is to give an overview of the testing approach, strategies, and

scope for the TutorialsNinja e-commerce web application. This document includes details like scope of the project, objectives, test schedule and resource allocations, test deliverables and

reports.

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

**Objectives**

To evaluate the functionality, performance, and usability of the "Forgot Password" feature.

**Scope**

Testing will cover functional and usability aspects of the "Forgot Password" feature.

**Testing Approach**

**Testing Types:**

* Functional Testing
* Usability Testing

**Test Environment**:

* Operating System: Windows 10
* Browser: Chrome, Firefox, Edge
* Tools: Cypress, Screen Recording Tool

**Roles/Responsibilities**

| **Name** | **Role** | **Responsibilities** |
| --- | --- | --- |
| Rohan Salunkhe | Test Engineer | * Understand customer requirements * Write Test scenarios & Test cases * Executing the Test cases. * Performing root cause analysis to identify underlying issues. * Defect tracking and reporting. |

**Test Schedule**

| **Task** | **Time Duration** |
| --- | --- |
| Test Plan Creation | 17 jul 2024 |
| Test Scenario creation | 17 jul 2024 |
| Test Case Creation | 17 jul 2024 |
| Test Case Execution | 18 jul 2024 |
| Summary Report Submission | 18 jul 2024 |

**Test Deliverables**

| **Deliverables** | **Description** | **Responsible Owner** | **Target Completion** |
| --- | --- | --- | --- |
| Test Plan | Outlines the testing approach,  strategies, and scope for the TutorialsNinja e-commerce web application | Masai | 18 jul 2024 |
| Test Cases | Test Cases created for both  functional testing and  usability testing | Masai | 18 jul 2024 |
| Defect Reports | Detailed description of the  defects identified in different scenarios | Masai | 18 jul 2024 |

**Entry and Exit Criteria**

#### **Requirement Analysis**

**Entry Criteria:**

* The testing team receives the Requirements documents and use documents for the project, which include details on the "Forgot Password" feature.
* The documents specify what functions need to be tested and how the software should behave.

**Exit Criteria:**

* The testing team thoroughly explores and understands each requirement listed in the documents.
* Any doubts or uncertainties regarding the requirements are addressed and clarified, ensuring the testing team has a clear understanding of what needs to be tested and how it should behave.

#### **Test Planning**

**Entry Criteria:**

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

**Exit Criteria:**

* The Test Plan is reviewed and signed off by the Client.

#### **Test Designing**

**Entry Criteria:**

* The Test Plan document is reviewed and approved by the client.
* The Test Plan Document is signed off by the Client.

**Exit Criteria:**

* Test Scenarios and Test Cases Documents are prepared.
* The prepared documents are reviewed and signed off by the Client.

#### **Test Execution**

**Entry Criteria:**

* Test Scenarios and Test Cases documents are reviewed and approved by the client.
* The documents are signed off by the Client.
* The application is ready for further testing.

**Exit Criteria:**

* Test Case Reports and Defect Reports are prepared.

#### **Test Closure**

**Entry Criteria:**

* Test Case Reports and Defect Reports are ready.

**Exit Criteria:**

* Test Summary Reports are prepared, providing an overview of the entire testing process.

**Tools**

X mind map Tool

Jira - project management Tool

### **Risk Management**

**Risks:**

* Performance issues with high traffic.
* Compatibility issues with specific devices/OS versions.
* Delays in real-time tracking updates.

**Mitigation:**

* Perform performance testing with simulated high traffic.
* Test on various devices and OS versions.
* Ensure robust real-time tracking mechanisms.

**Approvals**

* **Project Manager Approval:** Approve test plan and schedule.
* **QA Lead Approval:** Approve test cases and strategy.
* **Development Team Approval:** Confirm test environment readiness.
* **Client Approval:** Sign-off on test plan and schedule.