



## TEST PLAN

**Project Name : Tutorials Ninja Web Application**



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## Overview

The aim of this document is to give an overview of the testing approach, strategies, and scope for the Tutorials Ninja web application. This document includes details like scope of the project, objectives, test schedule and resource allocations, test deliverables and reports.

## Objectives

- To evaluate the functionality, performance and usability of the add to cart feature and forgot password feature of the OpenCart demo e-commerce website - Tutorials Ninja.

## Scope

The scope of the project includes testing the following features of '<https://tutorialsninja.com/demo/>' web application

## Inclusions

- Add to Cart Functionality
- Forgot Password Functionality
- Homepage links

## Exclusions

- All the features except which is mentioned under 'Inclusions'

## Test Environments

- Operating systems - Ubuntu 22.04.4 LTS
- Browsers - Chrome and Yahoo
- Devices - Samsung Galaxy S20 ultra, Asus Zenfold, Dell Inspiron 15

## Testing Methodologies

1. Functional testing:
  - Black box testing
    - Component testing
    - Integration testing
    - System testing
2. Usability Testing
3. E2E Testing using Cypress

## Roles & Responsibilities

Name	Role	Responsibilities
Shiva Kumar	Test Manager (Manual Testing)	<ul style="list-style-type: none"><li>• Manage budget and resources</li><li>• Assess and prioritize project risks/tasks</li><li>• Monitoring project progress</li><li>• Reviewing Test cases, Test Execution, Bug report and summary report</li><li>• Resolve communication issues and conflicts effectively</li></ul>
Akshay Koulgi	Test Manager (Automation Testing)	<ul style="list-style-type: none"><li>• Assess and prioritize project risks/tasks</li><li>• Monitoring project progress</li><li>• Reviewing Cypress automation code scripts</li><li>• Providing suggestions to improve the process</li></ul>
Kanishk Chaddha	Test Engineer	<ul style="list-style-type: none"><li>• Understand customer requirement</li><li>• Write Test scenarios &amp; Test cases</li><li>• Executing the Test cases.</li><li>• Performing root cause analysis to identify underlying issues</li><li>• Defect tracking and reporting</li><li>• Automating forgot password functionality using Cypress</li><li>• Creating summary report</li></ul>

## Test Schedule

Following is the test schedule planned for the project:

Task	Time Duration
• Creating Test Plan	July 17th, 2024
• Test case Creation	July 17th, 2024 to July 18th, 2024
• Test case Execution	July 18th, 2024
• Bug Report	July 18th 2024
• Cypress automation Test script	July 19th, 2024 to July 20th 2024
• Summary Report Submission	July 20th, 2024

## Test Deliverables

The following are to be delivered to the client:

Deliverables	Description	Responsible Owner	Target Completion Date
Test Plan	Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule	Masai	June 17th , 2024
Functional Test Cases and Usability test cases	Test Cases created for the scope defined	Masai	July 18th, 2024
Bug Report	Detailed description of the defects identified along with screenshots and steps to reproduce on a daily basis.	Masai	July 18th, 2024
Cypress Automation Test script	Correctness: The script successfully logs in and out of the website. Code Quality: Code readability, use of functions, and error handling. Documentation: Proper comments and explanation of the logic.	Masai	July 20th, 2024
Summary Report	Summary Reports – No of Test cases - Test cases Pass/Fail Bugs by type Bugs by Functional Area and Bugs by Priority	Masai	July 20th, 2024

# Entry and Exit Criteria

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

## Requirement Analysis

### Entry Criteria:

- Once the test engineer receives the Requirements Documents or project details about the Project which serves as the foundation for the testing process, providing the test engineer with insights into what needs to be tested and how the software should behave.

### Exit Criteria:

- The test engineer should thoroughly explore and understand each requirement listed in the documents or project details.
- Any doubts or uncertainties regarding the requirements should be addressed and clarified to ensure that the test engineer 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 which includes the Test Strategy, which provides a high-level overview of how testing will be conducted.

### Exit Criteria:

- The Test Plan is signed-off by the Client (Tutorials Ninja).



## **Test Designing**

### **Entry Criteria:**

- The Test Plan document needs to be reviewed and approved by the client and then 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
- Application is ready for both Manual and automation testing

### **Exit Criteria:**

- Test Case Reports, Cypress automation test script, and Defect Reports are ready

## **Test Closure**

### **Entry Criteria:**

- Test Case Reports, Cypress automation test script, and Defect Reports are ready

### **Exit Criteria:**

- Test Summary Report is ready, it overviews of the entire testing process

## Tools

The following are the list of Tools I will be using in this Project:

- Google sheets
- Google documents
- Xmind tool
- Cypress Automation Tool
- Visual Studio Code

Risk	Mitigation
Non-Availability of a team member	Manage to complete all the tasks by my own
Uncomplete information about the project	Discuss the project details with program manager
Less time for Testing	Masai will ramp up the resources based on the Client needs dynamically
Lack of coordination between developers and testers	Using my own experience to do the work efficiently.
Provided web application is very unstable	Manage to overcome challenges faced during project work.

## Approvals

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

- Test Plan
- Test Scenarios
- Test Cases
- Bug Report
- Summary Report

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