

**TEST PLAN**

**Table of Contents**

Introduction……………………………………………………………………………………………………………2

Objective…………………………………………………………………………………………………………………2

Scope……………………………………………………………………..………………………………………………2

Testable features …………………………………………………………….……….……………………………2

Testing approach…………………………………………………………………………………………………….3

Roles/Responsibilities …………………………………………………………………………………………..4

Test Schedule ……………………………………………………………………………………………………….5

Test Deliverables …………………………………………………………………………………………………..6

Entry & Exit Criteria …………………………………………………………………………………….………. 7

Tools …………………………………………………………………………………………………………….……….8

Risks and Mitigation plans………………………………………………………………………………………8

Approvals………………………………………………………………………………….…………………………….8

# Introduction

The purpose of this document is to outline the testing approach, strategies, and scope for the NYKAA web application. This document includes details such as objectives, test schedule, testable features, and test deliverables.

AUT : <https://sweet-donut-1ca8e9.netlify.app/index.html>

# Objectives

To verify the functionality of key features such as navigation, product display, shopping cart, and payment processing.  
• To ensure cross-browser compatibility.  
• To confirm proper security measures are in place.

# Scope

This test plan covers functional testing, compatibility testing, and security testing of the NYKAA web application across multiple browsers and devices.

# Testable Features

The following features will be tested:  
• User Registration  
• Login/Logout  
• Forgot Password  
• Product Search  
• Product Filters  
• Shopping Cart  
• Checkout and Payment  
• User Account Management  
• Order History  
• Contact Form  
• Responsive Design

# Testing Approach

The following testing types and methodologies will be employed:  
• Functional Testing  
• Compatibility Testing  
• Security Testing  
• Black-box Testing  
• Regression Testing  
• User Acceptance Testing (UAT)

**Roles/Responsibilities**

|  |  |
| --- | --- |
| Test Manager | * Responsible for managing resources. * Allocating tasks. * Overseeing the testing process. |
| Test Lead | * Develops test plans. * Assigns tasks. * Monitors testing progress. |
| Test Engineers | * Execute test cases * track defects * Prepare test reports. |

# Test Schedule

|  |  |
| --- | --- |
| Task | Time Duration |
| Test Plan Creation | 01 October 2024 |
| Test Case Development | 03 October 2024 |
| Test Case Development | 04 October – 06 October 2024 |
| Summary Report Submission | 06 October 2024 |

**Test Deliverables**

|  |  |  |  |
| --- | --- | --- | --- |
| Deliverables | Description | Responsible Owner | Target Completion Date |
| Test Cases | Documented test cases for all functionalities | MASAI | 01 October 2024 |
| Test Results | Summary of test results including passed, failed, and blocked tests | MASAI | 01 October 2024 |
| Bug Reports | Detailed reports for identified bugs with severity levels | MASAI | 01 October 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 testing team receives the Requirements documents and use documents of the Project. Includes what functions needs 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 (NYKAA).

**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 further Testing.

* **Exit Criteria:**

Test Case Reports, Defect Reports are ready.

**Test Closure**

* **Entry Criteria:**

Test Case Reports, 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.
* JIRA - Project management tool
* Sales force cloud- CRM tool
* Zephyr- Test Management
* Microsoft Teams- collaboration.

**Risks and Mitigation plans**

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

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

**Approvals**

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

* Test Plan.
* Test Scenarios.
* Reports.

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