



TEST PLAN

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Introduction

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

URL:- <https://sweet-donut-1ca8e9.netlify.app/>

Objectives

- To ensure the functionalities of key features such as Sign-Up, Sign-In, Search Bar, Add to Product, Checkout, Payment.
- To confirm compatibility with different browsers.

Scope

This test plan covers only functional testing, compatibility testing, performance testing of the Nykaa web application across different browsers.

Testable Features

- Sign-Up
- Log-In
- Log-Out
- Dashboard
- Search Bar
- Homepage
- Categories
- Brand
- Luxe
- Nykaa Fashion
- Beauty Advice
- Makeup
- Skin
- Hair
- Appliances

➤ Help

Testing Approach:

➤ **Testing Types**

- Functional Testing
- Compatibility Testing
- Performance Testing
- Usability Testing
- Boundary Testing
- Compatibility Testing
- UI/UX Testing
- Responsive Testing

➤ **Testing Methodologies**

- Black-box Testing
- User Acceptance Testing (UAT)

➤ **Testing Environment**

- UAT
- Pre-Production

➤ **Operating System**

- Windows 11 and above
- Browsers: [Chrome and Safari]

Roles/Responsibilities

Name	Role	Responsibilities
Pranav Suryawanshi	Test Manager	<ul style="list-style-type: none"> ✓ Manage budget and resources. ✓ Allocating additional support resource. ✓ Assess and prioritize project risks/tasks. ✓ Monitoring project progress. ✓ Resolve communication issues and conflicts effectively.
Promojit Paul	Test Lead	<ul style="list-style-type: none"> ✓ Develop test plans and strategies in alignment with project objectives and requirements. ✓ Assign tasks, set priorities, and provide and support to team members. ✓ Review test results and provide feedback to team members. ✓ Monitor and manage risks throughout the testing life cycle.
Pranav Suryawanshi	Test Engineer	<ul style="list-style-type: none"> ✓ Understand customer requirements ✓ Write Test scenarios & Test cases ✓ Executing the Test cases. ✓ Performing root cause analysis to identify underlying issues. ✓ Defect tracking and reporting.
Promojit Paul	Test Engineer	<ul style="list-style-type: none"> ✓ Understand customer requirements ✓ Configuring and Setting up test environment. ✓ File Closure activity.

Test Schedule

Following is the test schedule planned for the project:

Task	Time Duration
Test Plan creation	17 Dec 2024
Test Scenario creation	17 Dec 2024
Test case creation	17 Dec 2024 – 18 Dec2024
Test case Execution	19 Dec2024 – 20 Dec 2024
Summary Report Submission	22 Dec 2024

Test Deliverables

The following are to be delivered to the client:

Deliverables	Description	Responsible Owner	Target Completion Date
Test Plan	Outlines the testing approach, strategies, and scope for the Nakyya web application.	Masai	17 Dec 2024
Test Cases	Test Cases created for both functional testing and compatibility testing	Masai	19 Dec 2024
Defect Reports	Detailed description of the defects identified in different versions of application.	Masai	20 Dec 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 (Nakyaa)

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:

- ☐ Miro mind map Tool
- ☐ Jira - Project management tool
- ☐ Zephyr- Test Management
- ☐ Slack – collaboration
- Selenium Cucumber Framework

Risk and Mitigation plans

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

Risk	Mitigation plans
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
- ☐ BUG Report
- ☐ Bug PPT
- ☐ RTM

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