

TEST PLAN

Project Name : StyleMate an
E-commerce website



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Introduction

The aim of this document is to give an overview of the testing approach, strategies, and scope for the StyleMate of e-commerce website. This document includes details like scope of the project, objectives, test schedule and resource allocations, test deliverables and reports.

At StyleMate, we believe that fashion is more than just clothing – it's an expression of your unique personality. Our mission is to empower you to look and feel your best with a curated collection of the latest trends, timeless essentials, and stylish accessories for every occasion.

Whether you're dressing up for a night out, refreshing your everyday wardrobe, or searching for that perfect gift, StyleMate offers a seamless shopping experience with quality, affordability, and style at the heart of everything we do.

AUT : <https://luni-interface-029.vercel.app/>

Objectives

The primary goal is to ensure that the eCommerce application functions correctly, with no issues during user interactions such as browsing products, adding items to the cart, processing payments, or completing purchases. The goal is to perform both manual and automated testing to ensure the platform is fully functional and provides a seamless user experience.

The primary objective of testing the StyleMate e-commerce website is to ensure the platform delivers a seamless, secure, and user-friendly shopping experience. This involves validating the functionality, performance, usability, compatibility, and security of the website across various devices and browsers. Key goals include:

- Verifying that all core features (user registration, login, product browsing, cart, checkout, and payment) work as intended.

- Ensuring the website is responsive and performs optimally under different load conditions.

- Identifying and resolving bugs or usability issues to improve the overall user experience.

- Confirming the security of user data and transactions.

Scope

This test plan covers Functional testing, Performance Testing, Usability Testing and compatibility testing of the StyleMate web application across different browsers. To check both manual and automation testing using Cypress (page object model)

- **Usability Testing:**

Ensure the platform is user-friendly, intuitive, and efficient for browsing, managing the cart, and completing checkout.

- **Functionality Testing:**

Test all core features including registration, login, product Usability browsing, cart management, and checkout.

- **Performance Testing:**

Evaluate the platform under high traffic (simulate sales events) and test for load times, stability, and scalability.

- **Security Testing:**

Conduct a full security audit to identify any vulnerabilities and ensure data protection.

- **Compatibility Testing:**

Test across multiple devices and browsers to ensure consistency and accessibility.

Testable Features :

- Register
- Login
- Forgot password
- New User
- Search
- Advanced Search
- Best sellers
- Today's Deals
- Prime
- Fashion
- Coupons
- Gift Cards
- Filter
- Wish list
- Add to cart
- Payment Processing
- Account Information
- Order Information
- Mobile and Cross-browser Compatibility
- Security Features
- Error Handling

Testing Approach :

1) Testing Types

- Functional Testing
- Compatibility Testing

2) Testing Methodologies

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

3) Testing Environment

- Browser,
- operating system,
- test runner,
- application state
- environment variables

4) Operating System

- Windows 12 and above
- Browsers: [chrome and firefox]
- Testing Tools : [cypress with POM,Google sheet,Google doc,Github,x-mind .]

Roles/Responsibilities

Name	Role	Responsibilities
Pooja Yadav	Test Manager	<ol style="list-style-type: none">1. Manage budget and resources.2. Allocating additional support resources.3. Assess and prioritize project risks/tasks.4. Monitoring project progress.5. Resolve communication issues and conflicts effectively.
Prajyoti Suryawanshi	Test Lead	<ol style="list-style-type: none">1. Develop test plans and strategies in alignment with project objectives and requirements.2. Assign tasks, set priorities, and provide and support to team members.3. Review test results and provide feedback to team

		<p>members.</p> <p>4. Monitor and manage risks throughout the testing I</p>
<p>Prajyoti Suryawanshi</p>	<p>Test Engineer</p>	<ol style="list-style-type: none"> 1. Write Test scenarios, Test cases Executing the Test cases. 2. Performing root cause analysis to identify underlying issues. 3. Defect tracking and reporting.

Test Schedule

Following is the test schedule for the project :

Task	Time Duration
Test Plan creation	25-03-2025
Test Scenario creation	25-03-2025
Test case creation	26-03-2025
Test Case Execution	27-03-2025
Summary Report Submission	28-03-2025

Test Deliverables

The following are to be delivered to the client:

Test Plan	Outlines the testing approach, strategies, and scope for the Tutorial web application	Masai	25-03-2025
Deliverables	Description	Responsible Owner	Target Completion Date
Test Case	Test Cases created for both functional testing and compatibility testing	Masai	26-03-2025
Defect Reports	Detailed description of the defects identified in different versions of application.	Masai	27-03-2025

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 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 (StyleMate)

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 the entire testing process.

Tools

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

- ❖ X mind map Tool
- ❖ Google Drive
- ❖ Google Sheet
- ❖ Google Docs
- ❖ Github
- ❖ VS code
- ❖ Chrome
- ❖ Cypress
- ❖ Trello/Jira (for defect tracking)

Risks and Mitigation plans:

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

Risk	Mitigation plans
Lack of Automation Tester	Backup Resource Planning
No detailed Requirements available	Subject matter experts available for deep understanding of functionalities.

Approvals

Our company will send different types of document for Client Approval like below:

- Test Plan
- Xmind Map
- Test scenarios
- Test Case
- Test Case Execution
- Bugs Report
- Summary Reports

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