

TEST PLAN

Project Name : StyleVista Ecommerce Website



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Introduction

The aim of this document is to give an overview of the testing approaches, strategies and scope for the style vista web application(ecommerce platform). This document includes details like scope of the project, objective, test schedule and resource allocations, test deliverables and reports.

AUT : <https://stylevista-deployed.netlify.app/>

Objectives

- To ensure the functionalities of key features such as product search, add to cart, checkout and account management
- To Confirm compatibility with different browsers.

Scope

The test plan covers the functional testing , Compatibility testing and security testing of the StyleVista application e commerce across different browser

Testable Features:

- Register
- Login
- Search
- Add to Cart
- Watchlist
- Payment
- Account information
- Order history
- Payment Processing
- Shipping Policy
- Contacts
- Sales
- Category
- Men
- Women
- Kids

Testing Approach :

- Testing Types
 - Functional Testing
 - Compatibility Testing
- Testing Methodologies
 - Black-box Testing
 - Regression Testing

- Testing Environment
 - UAT
 - Pre-Prod

- Operating System
 - Windows 10 and above
 - Browser: [Chrome]
 - Testing Tools:

Roles/Responsibilities

Name	Role	Responsibilities
Vikas Kumar	Test Manager	<ul style="list-style-type: none"> ● Ensure overall quality to testing standards. Coordinate between the development and testers, ensure timely project delivery.
Abhi Kolapakar	Team Lead	<ul style="list-style-type: none"> ● Develop test plans and strategies activities, manage resources, and ensure that the test strategy is followed
Dushyant Singh	Test Engineer	<ul style="list-style-type: none"> ● Understand customer requirements Write Test scenarios & Test cases
Shubham Gupta	Test Engineer	<ul style="list-style-type: none"> ● Perform manual and automated test document test results and report defects.
Sahil Pawar	Test Engineer	<ul style="list-style-type: none"> ● Understand areas for regression testing feasibility ● Responsible for writing automation scripts. ● Collaboration with shared subject matter experts.

Test Schedule

Task	Time Duration
Test Plan creation	1 Oct. 2024
Test Scenario creation	2 Oct 2024
Test Case creation	2 Oct. - 4 Oct 2024
Test Case Execution	5 Oct.2024
Summary Report Submission	5 Oct. 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 & scope for the Amazon web application.	Masai	5 Oct 2024
Test Cases	Test Cases created for both functional testing and Usability Testing.	Masai	5 Oct 2024
Defect Reports	Detailed description of the defects identified in different versions of application.	Masai	5 Oct 2024

Entry & Exit Criteria:

Entry Criteria:

1. Test plan and test cases are reviewed and approved.
2. Test environment is set up and stable.
3. All necessary resources (tools, test data) are available.
4. Functional and non-functional requirements are clearly Defined.

Exit Criteria:

1. All planned test cases are executed.
2. Critical defects are resolved, and regression testing is completed.
3. Test results are documented and approved.
4. Test deliverables (test summary, bug reports) are shared.

Tools: Manually tested by using browser (chrome) and on devices (mobile and Laptop).

Risk and Mitigation Plan:

Risks:

1. High Traffic Load Impacting Performance:

- **Mitigation:** Conduct load testing early; optimise server configurations and use caching strategies.

2. Cross-Browser Compatibility Issues:

- **Mitigation:** Perform cross-browser testing on major browsers using tools like BrowserStack

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3. Security Vulnerabilities:

- **Mitigation:** Conduct regular security testing, enforce HTTPS, and use secure coding practices.

4. Delayed Bug Fixes:

Mitigation: Prioritise critical bugs, set realistic deadlines, and allocate resources for timely fixes.

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 step once these approvals are done.