

Test Summary Report

E-commerce Website Testing

1. Introduction

This document provides a summary of the testing activities performed on the e-commerce website, focusing on user authentication, account creation, product search, filtering, sorting, cart operations, checkout processes, and address management. The testing was conducted manually following the test plan, and the results are documented in this report.

2. Test Objectives

The primary objectives of the testing were to ensure:

- The functionality and usability of user authentication (sign-in, login, password reset).
- The ability to create accounts with both valid and invalid information.
- The correctness of product search, filtering, and sorting functionalities.
- The accuracy of cart operations including adding, removing, and updating item quantities.
- The reliability of the checkout process under various scenarios.
- The proper management of user addresses.

3. Scope

The scope of the testing included:

- User Authentication: Sign-in, login, and password reset functionalities.
- Account Creation: Both valid and invalid scenarios.
- Product Search: Search functionality using various criteria.
- Product Filtering and Sorting: By size, style, color, price, and other parameters.
- Cart Operations: Adding, removing, and updating item quantities.
- Checkout Process: Valid and invalid payment scenarios, order history verification.
- Address Management: Adding, editing, and deleting addresses.

4. Test Environment

The tests were conducted in the staging environment that closely mirrors the production environment:

Web Browsers: Chrome, Firefox, Edge

Operating Systems: Windows 10

5. Test Execution Summary

The test execution was carried out over a period from May 3, 2024, to May 19, 2024. A total of 74 test cases were executed, covering all the planned functionalities.

6. Test Cases Executed

User Authentication and Account Management:

Test Case ID	Title	Status
TC001	Verify sign in and login page elements	Passed
TC002	Create Account with invalid Email Id	Passed
TC003	Create Account with valid Email Id	Passed
TC004	Verify personal information page elements	Passed
TC005	Verify mr and mrs radio button	Passed
TC006	Verify mr and mrs radio button are functional	Passed
TC007	Input invalid information in personal info	Passed
TC008	Input valid information in personal info	Passed
TC009	Login with Invalid Credentials Passed	Passed
TC010	Login with valid email and incorrect password	Passed
TC011	Login with blank email and password	Passed
TC012	Login with valid email and password	Passed
TC013	Password reset page element verify	Passed
TC014	Password reset page	Passed
TC015	Element Verify at address Page	Passed
TC016	Remain blank all fields of Address field	Passed
TC017	Provide all valid data at address page	Passed
TC018	Buttons of My address page	Passed
TC062	Add New Address	Open
TC063	Edit Existing Address	Passed
TC064	Add New Address with Missing Required Fields	Passed
TC065	Add More Addresses Than the Maximum Limit	Open
TC067	Successfully delete an existing address	Passed
TC068	Attempt to Delete the Last Remaining Address	Passed

Product Search, Filtering, and Sorting:

Test Case ID	Title	Status
TC019	Search by valid product name	Passed
TC020	Search by remaining blank the search field	Passed
TC021	Search by special character	Passed
TC022	Product Details	Passed
TC023	Sorting product by lowest first	Passed
TC024	Sorting product by highest first	Passed
TC025	Sorting product by product name A to Z	Passed
TC026	Sorting product by product name Z to A	Passed
TC027	Sorting product by in stock	Passed
TC028	Product Filtering by size S	Passed
TC029	Product Filtering by size L	Passed
TC030	Selecting Product color - white	Open
TC031	Selecting Product color - orange	Open
TC032	Selecting Product by properties - Maxi Dress	Passed
TC033	Selecting Product by properties - Short Dress	Passed
TC034	Selecting Product by Style - Casual	Passed
TC035	Selecting Product by Style - Girly	Passed
TC036	Change the color of same design product	Passed

Cart Operations:

Test Case ID	Title	Status
TC037	Check Add to cart Button	Passed
TC038	Check product availability	Passed
TC039	Check quantity icon - increase	Passed
TC040	Check quantity icon - decrease	Passed
TC041	Add product to cart	Passed
TC042	Product remove from cart	Passed
TC043	Change the layout of the product page	Passed
TC044	Show number of products in cart on cart icon	Passed
TC045	Check Out with products in cart	Passed
TC046	Add product to cart when stock is zero	Passed
TC047	Remove product from empty cart	Passed
TC048	Update quantity of product in cart to zero	Passed
TC049	Check Out with empty cart	Passed
TC050	Add maximum quantity of a product to cart	Passed
TC051	Check Out with Maximum Number of Different Products in Cart	Passed
TC052	Update Quantity of Product in Cart to a Negative Numbe	Open

Checkout Process:

Test Case ID	Title	Status
TC053	Checkout with Valid Payment Details	Passed
TC054	Checkout with Invalid Payment Details	Passed
TC055	Checkout with Insufficient Funds	Passed
TC056	Verify that a user cannot check out with an expired credit card	Passed
TC057	Checkout with Incorrect Billing Address	Passed
TC058	View Order History	Passed
TC059	Order History of a New User	Passed
TC060	Order Details in Order History	Passed
TC061	Order History After Order Cancellation	Open
TC068	Leave Required Fields Blank	Passed
TC069	To verify navigation away without saving changes	Passed
TC070	functionality of the checkout process	Passed
		Passed

User Session Management:

Test Case ID	Title	Status
TC071	Successful Logout	Passed
TC072	Try to logout several times	Passed
TC073	Try to logout When Already Logged Out	Passed
TC074	Log out from different tab of same browser	Passed

7. Bug Reporting

A total of 6 bugs were reported during the testing phase. Three bugs are open and pending resolution:

Bug ID	Test Case ID	Title	Priority	Status
1	TC030	Selecting Product color - white	P1	Open
2	TC031	Selecting Product color - orange	P1	Open
3	TC052	Update Quantity of Product in Cart to a Negative Number	P2	Open
4	TC061	Order History After Order Cancellation	P2	Open
5	TC062	Add New Address	P1	Open
6	TC065	Add More Addresses Than the Maximum Limit	P2	Open

8. Key Findings

The core functionalities of user authentication, account creation, product search, filtering, sorting, and cart operations are working as expected.

Issues were identified with the product color filtering and managing addresses, which are yet to be resolved.

The checkout process was robust, handling various payment scenarios appropriately.

Address management functionalities have some unresolved issues with adding new addresses and handling address limits.

9. Conclusion

The testing of the e-commerce website was successful overall, with most test cases passing.

The issues identified were related to product color filtering, negative quantity in the cart, order history after cancellation, and address management. These have been reported for resolution.

Upon fixing these issues, a re-test is recommended to ensure complete functionality.

10. Recommendations

Fix the reported bugs related to product color filtering, negative quantity update, order history after cancellation, and address management.

Conduct a re-test of the affected functionalities after the fixes.

Perform a regression test to ensure that new changes do not affect existing functionalities.