**Test Execution Report for Nykaa Fashion Products Web Application**

#### **1. Test Execution Summary**

* Test Plan Identifier: TP-001
* Test Execution Date: 02/10/2024
* Test Executed By: Stephen Chitaranjan B
* Application Version: 1.0.0
* Environment: QA

**2. Test Execution Results**

| **Test Case ID** | **Test Case Type** | **Test Case Description** | **Pre-Requisites** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status** | **Comments** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TC\_001 | Functionality | Verify homepage loads correctly. | None | 1. Open the web browser.  2. Enter the URL.  3. Press Enter. | N/A | The homepage should load without errors. | Homepage loaded without errors. | Pass | Functionality is working as expected. |
| TC\_002 | Functionality | Verify visual layout and design consistency. | Access to the application URL. | 1. Open the web browser.  2. Enter the URL.  3. Check all visual elements. | N/A | All visual elements should be aligned properly. | All visual elements are aligned and consistent. | Pass | Design is consistent across the page. |
| TC\_003 | Security | Verify HTTPS is implemented site-wide. | None | 1. Open the website.  2. Check the URL for HTTPS. | N/A | The URL should start with HTTPS. | URL starts with HTTPS. | Pass | Security is implemented correctly. |
| TC\_004 | Functionality | Check the functionality of the "Add to Bag" button. | Home page should be successfully loaded. | 1. Select an item.  2. Click on the "Add to Bag" button.  3. Navigate to the cart page. | Select item | The selected item should appear in the cart with correct details. | Selected item appears correctly. | Pass | Functionality is working as expected. |
| TC\_005 | Performance | Measure loading time of the home page. | Access to the application URL and a stopwatch. | 1. Open the web browser.  2. Enter the URL.  3. Start the stopwatch. | N/A | The home page should load within 3 seconds. | Home page loaded in 4 seconds. | Fail | Loading time exceeds expectations. |
| TC\_006 | Compatibility | Verify functionality on different web browsers. | Access to different browsers. | 1. Open the web browser (Chrome).  2. Enter the URL.  3. Repeat on Firefox and Safari. | N/A | The website should display and function correctly across all tested browsers. | Layout issues on Safari. | Fail | Layout inconsistent on Safari. |
| TC\_007 | Performance | Verify Stress Handling. | User has access to the application. | 1. Simulate multiple users (e.g., using load testing tools). | 100+ users | Application remains responsive with no crashes or delays. | Application crashes under high load. | Fail | Not suitable for high traffic. |
| TC\_008 | Functionality | Verify the functionality of the search feature. | Home page should be loaded with search functionality. | 1. Enter a search term.  2. Click the search button. | Search term | Relevant search results should be displayed. | No results returned. | Fail | Search functionality not working. |
| TC\_009 | Performance | Measure the checkout page loading time. | Items added to the cart. | 1. Navigate to the checkout page.  2. Measure loading time. | N/A | The checkout page should load within 3 seconds. | Checkout page loaded in 4 seconds. | Fail | Checkout loading time exceeds expectations. |
| TC\_010 | Usability | Assess clarity of product descriptions. | Access to product listing. | 1. Click on a product.  2. Read description. | Selected Product | Product description should be clear and informative. | Description was unclear. | Fail | Description needs improvement for clarity. |
| TC\_011 | Functionality | Verify the "Remove Item" feature in the cart. | Items added to the cart. | 1. Go to the cart page.  2. Click the "Remove" button. | N/A | The item should be removed from the cart and totally updated. | Item removed and total updated. | Pass | Functionality is working as  expected. |
| TC\_012 | Security | Check for proper session management. | User logged into the application. | "1. Log in.  2. Close the browser.  3. Reopen and navigate to the website | N/A | Users should not be logged in automatically. | User was not logged in upon reopening. | Pass | Security is implemented correctly. |

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#### **3. Overall Test Execution Summary**

* Total Test Cases Executed: 12
* Total Passed: 6
* Total Failed: 6
* Pass Rate: 50%

#### **4. Conclusion**

The Nykaa Fashion Products web application has successfully passed 6 out of 12 test cases. Key issues identified include:

* Performance bottlenecks, particularly under stress.
* Functionality flaws in search and checkout processes.

Recommendations for the development team include:

* Addressing loading times.
* Ensuring compatibility across browsers.
* Improving usability of product descriptions.

#### **5. Next Steps**

* Address failed test cases and re-execute tests after fixes.
* Conduct regression testing on passed cases to ensure no new issues arise.
* Consider usability testing sessions with real users for feedback.

#### **6. Approval**

* Prepared by: Stephen Chitaranjan B
* Date: 02/10/2024
* Approved by: Biju
* Date: 10/10/2024