**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 total updated. | Item removed and total updated. | Pass | Functionality is working as expected. |

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

* Total Test Cases Executed: 11
* Total Passed: 6
* Total Failed: 5
* Pass Rate: 54.5%

#### **4. Conclusion**

The Nykaa FAshion Products web application has successfully passed 6 out of 11 test cases. Key issues identified include performance bottlenecks, particularly under stress, and functionality flaws in search and checkout processes. Recommendations for the development team include addressing loading times, ensuring compatibility across browsers, and improving usability.

#### **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**

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* Date: 02/10/2024
* Approved by: Biju
* Date: 03/10/2024