



Test Closure Report

Luma Clothing Platform

Version 1.0

Table of Contents

Section	Title	Page Number
1	Test Summary Report Identifier	3
2	Summary	3
2.1	Notable Events	3
2.2	Tests Executed	3
3	Variances	5
3.1	List of Variances Observed During Testing	5
4	Comprehensive Assessment	6
4.1	Test Metrics Achievement	6
4.2	Exit Criteria Evaluation	6
4.3	Areas Requiring Additional Work	6
5	Summary Results	7
5.1	Test Execution Overview	7
5.2	Defect Summary	7
5.3	Test Results Metrics	8
6	Evaluation	9
6.1	Stability of Modules	9
6.2	Severity of Defects	9
6.3	Overall Assessment	9
7	Summary of Activities	10
8	Approvals	11

1. Test Summary Report Identifier

This document is identified as **TSR Luma-Platform v1**.

2. Summary

This document summarizes the testing activities conducted for the "Create New Customer Account" user story on the Luma Clothing platform. The module tested includes the account registration process, specifically focused on verifying the correct display and functionality of user inputs, modals, password strength indicators, and registration confirmation elements. This testing effort comprises 26 test cases, covering all aspects of the registration feature.

Epic 1 – Registering an account

User Story 1 – ‘As an unregistered unauthenticated user, I want to register myself for an account, so that I can log in and make purchases’

2.1 Notable Events

Seven defects were identified across different areas, including modal labeling, password strength evaluation, and registration confirmation elements. One test case was blocked due to dependency on an unresolved defect, impacting the flow of the registration process.

2.2 Tests Executed

Here is the list of testing conducted for the Luma Clothing platform’s user registration module, covering key functionalities and requirements. It includes detailed test cases, requirement traceability, and functionality assessments.

Test Condition	Test Case ID	Priority	Requirement ID Covered
Test that when a user accesses the clothing website, a "Create an Account" button is present in the top right corner of the page	TC_1	2	US_1.1
Test that when the user clicks the "Create an Account" button, they are redirected to the "Create New Customer Account" page	TC_2	1	US_1.1
Test that when the user lands on the "Create New Customer Account" page, a modal labelled "My Personal Information" is displayed beneath the page title	TC_3	3	US_1.1
Test that the "Personal Information" modal contains mandatory free-text fields labelled "First Name" and "Last Name"	TC_4	1	US_1.1
Test that within the "Personal Information" modal, there is an optional tick box labelled "Sign Up for Newsletter," which is checked by default	TC_5	2	US_1.1

Test that beneath the "Sign Up for Newsletter" tick box, a "Sign-in Information" modal is displayed	TC_6	3	US_1.1
Test that by default, the password strength indicator displays "No Password" when no password is entered	TC_7	4	US_1.1
Test that the "Sign-in Information" modal contains mandatory free-text fields labelled "Email", "Password", and "Confirm Password"	TC_8	1	US_1.1
Test that when the user enters an email in the "Email" field, only entries in the format <string>@<string>.co.uk or <string>@<string>.com are accepted, and that the system provides an error message if the format is invalid when user clicks "Create an Account" button	TC_9	2	US_1.1
Test that when the user enters a password with only lowercase letters, it is considered "Weak"	TC_10	4	US_1.1
Test that when the user enters a password with only uppercase letters, it is considered "Weak"	TC_11	4	US_1.1
Test that when the user enters a password with no special characters, it is considered "Weak"	TC_12	4	US_1.1
Test that when the user enters a password with no numbers, it is considered "Weak"	TC_13	4	US_1.1
Test that when the user enters a password with fewer than 8 characters, it is considered "Very Weak"	TC_14	4	US_1.1
Test that the password strength indicator displays "Strong" when the user enters a password with 9–11 characters (containing uppercase and lowercase letters, special characters, and numbers), and "Very Strong" when the password has 12 or more characters.	TC_15	4	US_1.1
Test that when the user enters a password with only letters and numbers, it is considered "Medium"	TC_16	4	US_1.1
Test that when the user enters text in the "Confirm Password" field, with invalid password that does not match the "Password" field an error message is shown when user clicks "Create an Account" button	TC_17	2	US_1.1
Test that if the user leaves the "First Name" field blank and clicks the "Create an Account" button, an error message saying "This is a required field" is displayed under the "First Name" field	TC_18	2	US_1.1
Test that if the user leaves the "Last Name" field blank and clicks the "Create an Account" button, an error message saying "This is a required field" is displayed under the "Last Name" field	TC_19	2	US_1.1

3. Variances

In the testing process, a few variances from the initial plan were noted. The scope was adjusted to address discrepancies observed in modal labeling and password strength criteria.

Specifically, expected labels such as "My Personal Information" were not displayed as anticipated, requiring updates in validation steps. Additionally, certain test cases around password strength indicators needed modification, as the application displayed different levels of strength than originally specified in the requirements. These variances were documented to ensure alignment with actual system behavior, allowing accurate assessment of system functionality against the intended design.

3.1 List of variances observed during testing:

1. **Modal Label Discrepancy:**
 - The modal that was expected to be labeled "My Personal Information" was instead labeled "Personal Information," deviating from the original specification.
2. **Password Strength Indicator Behavior:**
 - The password strength indicator displayed "Strong" for passwords that did not meet the expected criteria (e.g., passwords with only letters and numbers).
 - The password strength indicator did not classify passwords with fewer than 8 characters as "Very Weak," as expected.
3. **"Sign Up for Newsletter" Checkbox Absence:**
 - The test case for the "Sign Up for Newsletter" checkbox failed as the checkbox was not present within the "Personal Information" modal, contrary to the requirement.
4. **Missing Error Messages for Password Mismatches:**
 - Error messages for password mismatch (in the "Confirm Password" field) were not displayed when the password did not match the "Password" field, as per the acceptance criteria.
5. **Pop-up for Successful Registration:**
 - A congratulatory pop-up with a smiley face emoji was expected upon successful registration but was not displayed.
6. **Blocked Test Case:**
 - One test case involving the "Sign Up for Newsletter" functionality was blocked due to the absence of the checkbox, preventing its execution.

These variances were logged for further review and alignment with the functional requirements of the Luma Clothing platform.

4. Comprehensive Assessment

The testing process for the Luma Clothing platform has been assessed in light of the defined exit criteria to determine whether the objectives and quality expectations were met. This section evaluates the progress made in various areas of the testing process, the results of test execution, and highlights areas where additional work was required or modifications were necessary.

4.1 Test Metrics Achievement

The defined exit criteria were focused on the execution of all test cases, validation of key functionalities, and identification of defects. While most of the test cases were executed and a majority of the functionalities were tested, several issues were identified that require attention before considering the system production-ready.

4.2 Exit Criteria Evaluation

The exit criteria for this phase of testing included the completion of all predefined test cases and the validation of core features such as user registration, password strength indicators, and account management processes. Although a large portion of the system passed the testing, some critical areas did not meet the expected outcomes due to the following factors:

- **Defects with Major Impact:** Some defects had a significant impact on the functionality, such as missing UI components (e.g., the "Sign Up for Newsletter" checkbox) and inconsistencies in password strength validation. These defects need to be addressed to ensure the platform meets user expectations and security standards.
- **Missing Features or Functionality:** As mentioned, key features such as the congratulatory pop-up message after successful registration and certain modal labels were either missing or incorrectly implemented. These are important for completing the user flow and meeting user requirements.

4.3 Areas Requiring Additional Work

Several key areas need additional attention and corrective action:

1. **Password Strength Validation:** The password strength indicators did not align with the defined criteria. For example, passwords containing only letters and numbers were rated as "Strong," and passwords with fewer than 8 characters were not classified as "Very Weak." Adjustments to the password validation logic and the strength indicators are required.
2. **UI Component Accuracy:** The absence of the "Sign Up for Newsletter" checkbox and incorrect modal labels (e.g., "My Personal Information") require updates. These elements are crucial for the registration flow and need to be corrected to match the original specifications.
3. **Error Handling and Messages:** Several test cases failed due to missing or incorrect error messages for required fields, such as First Name, Last Name, and password mismatches. These need to be fixed to provide users with clear feedback.
4. **Successful Registration Flow:** The expected congratulatory pop-up was not displayed upon successful registration. This minor but important feature enhances the user experience and needs to be implemented.

5. Summary Results

The testing of the Luma Clothing platform has provided valuable insights into the overall functionality and performance of the system. This section presents an overview of the results from the executed test cases, highlighting key performance metrics, defect distribution, and test status. The summary results are designed to reflect the current state of the platform and identify areas requiring further attention.

5.1 Test Execution Overview

A total of 26 test cases were executed during this testing phase, covering all major aspects of the user registration process, account management, and the validation of system functionality such as password strength indicators and error handling. The test cases were designed based on the user story and system requirements, ensuring that critical features were evaluated thoroughly.

Of the 26 test cases, **77% passed**, **15% failed**, and **4% were blocked**. The breakdown of the test results provides a clear understanding of the platform's current state:

- Passed Tests (77%):** The majority of the test cases passed successfully, indicating that the core functionalities of the platform are generally working as expected. These tests included areas such as user registration, email validation, and mandatory field checks.
- Failed Tests (15%):** A significant number of test cases failed, mainly related to the user interface, password validation, and the display of modal labels. These failed test cases need to be addressed before the platform can be considered ready for release.
- Blocked Tests (4%):** One test case was blocked due to a missing component (the "Sign Up for Newsletter" checkbox), preventing its execution. This blocked test will need to be re-executed once the issue is resolved.

5.2 Defect Summary

A total of 7 defects were raised during the testing phase, with priority levels ranging from 2 to 5. These defects primarily involve issues with the user interface (UI) elements, password strength validation, and error handling.

Test Case ID	Requirement ID	Defect Summary	Defect Description	Priority	Severity	Date & Time Raised	Status	Comments
TC_3	US_1.1	Incorrect modal label displayed on the "Create New Customer Account" page	The modal label on the "Create New Customer Account" page displays "Personal Information" instead of the expected "My Personal Information"	5	5	11/06/2024 11:43	Open	The modal appears beneath the page title but is incorrectly labeled
TC_5	US_1.1	Missing "Sign Up for Newsletter" tick box in the "Personal Information" modal	"Sign Up for Newsletter" tick box is entirely missing and is specified as an optional field that should be checked by default	2	3	11/06/2024 12:43	Open	NA

TC_12	US_1.1	Incorrect password strength evaluation with no error message displayed	The "Sign-in Information" modal incorrectly evaluates a password without special characters as "Strong" instead of "Weak," and no error message is displayed when one is expected	2	3	11/06/2024 14:30	Open	NA
TC_13	US_1.1	Incorrect password strength evaluation with no error message displayed	The "Sign-in Information" modal incorrectly evaluates a password without numbers as "Very Strong" instead of "Weak" and no error message is displayed when one is expected	2	3	11/06/2024 14:50	Open	NA
TC_14	US_1.1	Password with fewer than 8 characters is incorrectly evaluated	Password with fewer than 8 characters is incorrectly evaluated as "Weak" instead of "Very Weak"	2	3	11/06/2024 15:13	Open	NA
TC_16	US_1.1	Password with only letters and numbers is incorrectly evaluated	Password with only letters and numbers is incorrectly evaluated as "Strong" instead of "Medium"	2	3	11/06/2024 15:45	Open	NA
TC_24	US_1.1	Pop-up is not displayed upon successful registration	Congratulatory pop-up with a smiley face emoji is not displayed upon successful registration	5	5	11/07/2024 9:43	Open	NA

5.3 Test Results Metrics

Below is a summary of the key test execution metrics:

Metric	Value
Total Tests Executed	26
Tests Passed	18
Tests Failed	7
Blocked Tests	1
Defects Raised	7
Defects Fixed	0
Defects Open	7
Tests Executed Percentage	100%
Tests Passed Percentage	77%
Tests Failed Percentage	15%
Blocked Tests Percentage	4%

In summary, while the Luma Clothing platform shows a strong foundation in its functionality, several defects and discrepancies need to be addressed. These issues have been documented, and further testing will be required once fixes are applied to ensure the system meets all functional and user experience requirements.

6. Evaluation

The evaluation of the Luma Clothing platform's quality focused on the stability of key modules and the defects discovered during testing.

6.1 Stability of Modules

- **User Registration:** Generally stable, with core functionality working well. However, issues were found with password strength validation, where weak passwords were incorrectly classified as strong.
- **Password Validation:** The password strength indicator was inconsistent, causing confusion by misclassifying passwords.
- **Error Handling:** Error messages were mostly accurate, but some, like for password mismatches, were missing
- **UI/UX:** The UI was stable, but discrepancies in modal labels and missing elements (like the "Sign Up for Newsletter" checkbox) affected user experience.

6.2 Severity of Defects

- **Major Defects:** Incorrect password strength indicator and missing "Sign Up for Newsletter" checkbox, which blocked test cases.
- **Minor Defects:** UI label discrepancies and missing error messages for password mismatches, which impacted consistency but not functionality.

6.3 Overall Assessment

The platform is stable but requires fixes for critical defects, particularly in password validation and UI elements. Resolving these issues will improve user experience and ensure system readiness for deployment.

7. Summary of Activities

The testing activities for the Luma Clothing platform followed a structured approach to ensure comprehensive coverage of critical features.

Test Case Design:

- Test cases were developed based on the user stories, focusing on the key functionalities like user registration, password validation, and modal behavior. A total of 26 test cases were written, covering both positive and negative scenarios.

Execution Timeline:

- Testing commenced on 2024-11-01 and was completed by 2024-11-07, with all 26 test cases executed within the allocated time frame. The testing was conducted using Google Chrome V130.0.6723.58, as per the project specifications.

Defect Management:

- During the execution phase, a total of 7 defects were raised, with severity levels ranging from minor to major. These defects were tracked and documented for further investigation and resolution.
- Issues related to password strength, modal labels, and missing elements were among the critical findings. The blocked test case due to the absence of the "Sign Up for Newsletter" checkbox required additional focus from the development team.

Significant Milestones:

- Key milestones achieved included:
 - Successful execution of all test cases with comprehensive defect tracking.
 - Identification of critical variances in system behavior, particularly around password validation and UI consistency.
 - Completion of exploratory testing, which revealed additional defects not covered by the initial test cases.
 - Regular communication with the development team to address defects in a timely manner.

These activities ensured the platform was thoroughly tested and any critical issues were identified and communicated for resolution before final delivery.

8. Approvals

The following individuals are required to review and approve the Test Closure Report to ensure its accuracy and completeness:

- **Test Manager:** Teyfik Acikgoz
- **Project Manager:** NA
- **Development Lead:** NA
- **QA Lead:** NA
- **Stakeholders:** NA

Each individual listed will review the test findings, variances, and overall test results before final approval and sign-off on the Test Closure Report.