**CURA Healthcare– TEST DOCUMENTATION**

**1. Introduction**

The goal of this document is to provide a detailed overview of the testing activities inside CURA Healthcare project, including test strategy, test execution, results, and any defects identified. This document covers functional testing, cross-browser testing, and edge case testing for CURA Healthcare project.

**2. Test Overview**

* Project Name: CURA Healthcare
* Tested By: Kevin Sugeng
* Tools:
  + Jira: For tracking project progress, managing test cases, and logging defects.
  + Zephyr Scale: Tools that can integrated with Jira for creating and executing test cases with Jira.
  + Selenium: Automation tool used for executing repetitive and regression testing.
* Test Environment:
  + Web browsers: Chrome, Firefox.
* Epic and User Stories Covered:
  + Epic: Testing CURA Healthcare

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| --- | --- | --- |
| **User Story ID** | **User Story Title** | **Description** |
| CHT-2 | User Authentication | As a user, I want to log in to healthcare service website, so that I can access my account and book appointment. |
| CHT-3 | Appointment Booking | As a user, I want to book an appointment on the healthcare service website so that I can schedule a visit to the healthcare centre. |
| CHT-4 | Logout Functionality | As a user, I want to be able to log out after booking an appointment so that I can securely end my session and be logged out. |

**3. Test Execution and Cycles**

**Test Cycles Overview**

Test Cycles 1: Healthcare Service Website Testing – Full Functionality

* Cycle ID: CHT-R1
* Date: 09/3/24
* Objective: Validate basic functionality of CURA Healthcare
* Test Cases: 11
* Pass: 10
* Fail: 1 (CHT-T10 – Book Appointment with Past Date)
* Summary: This test cycle includes all test cases related to the CURA Healthcare Service website. It covers user authentication, appointment booking with various input scenarios, and the logout process. The objective is to ensure that all major features of the website are functioning as expected and that any edge cases are handled appropriately



**4. Selenium Testing Results**

During execution of test cases, Selenium was used to automate the regression and repetitive task. Result:

Test case 1: PASS - Redirect to https://katalon-demo-cura.herokuapp.com/profile.php#login

Test case 2: PASS - Valid Login - Redirect to https://katalon-demo-cura.herokuapp.com/#appointment

Test case 3: PASS - Invalid Login

Test case 4: PASS - Empty name

Test case 5: PASS - Empty password

Test case 6: PASS - Book Appointment With All Fields Filled

Test case 7: PASS - Book Appointment With required Filled

Test case 8: PASS - Book Appointment With Invalid Date

Test case 9: PASS - Book Appointment with no Visit Date

Test case 10: FAIL - No error message when booking with a past date

Test case 11: PASS - Log Out After Book Appointment

Selenium automated tests confirmed that the CURA Healthcare functions correctly for the test scenarios executed. All automated test cases passed except Test Case 10, ensuring the accuracy of the website.

**6. Defect Testing Summary**

* Test Cycles Overview:
  + Functional Testing Cycle: Focused on validating core functionality such as user login, appointment booking, and handling invalid inputs. A few issues were identified and addressed by the developer, then retested.
* Defect Identified:
  + Test Case 10: Failed – No error message was displayed when booking an appointment with a past date. This is a critical defect as the system should prevent users from booking appointment in the past.
* Defect Resolution:
  + The defect from Test Case 10 has been logged for resolution. All other test cases passed successfully, confirming that the other functionalities of the CURA Healthcare application are operating correctly.
* Conclusion:
  + Selenium automated tests confirmed that the CURA Healthcare application functions correctly for the majority of the test scenarios executed. However, the issue identified in Test Case 10 regarding the booking with a past date needs to be addressed to ensure complete functionality.