

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

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

CHT-R1 Healthcare Service Website Testing - Full Functionality										
ID	Test Case Name	Precondition	Objective	Priority	QA Name	Test Step	Test Data	Expected Result	Actual Result	Status
CHT-T1	Redirect to Login Page When Not Authenticated	User not logged in	Verify users are redirected to login page when making appointment without logging in	Normal	Kevin Sugeng	Go to "https://katalon-demo-cura.herokuapp.com/"		Show "https://katalon-demo-cura.herokuapp.com/" home page	direct "https://katalon-demo-cura.herokuapp.com/profile.php#login" page	PASS
CHT-T2	Valid Login	Users in login page with valid username and password available	Verify users can log in with valid username and password	Normal	Kevin Sugeng	Click "Make Appointment" button		redirect "https://katalon-demo-cura.herokuapp.com/profile.php#login" page	User is directed to the appointment booking page at "https://katalon-demo-cura.herokuapp.com/#appointment."	PASS
						Go to "https://katalon-demo-cura.herokuapp.com/"		Show "https://katalon-demo-cura.herokuapp.com/" home page		
						Click "Make Appointment" button		redirect "https://katalon-demo-cura.herokuapp.com/profile.php#login" page		
						Enter Username and Password for Login	Username = "John Doe" Password = "ThisIsNotAPassword"	The username and password is entered in the field.		
CHT-T3	Invalid Login	Users is on the login page	Verify users able to receive errors when logging in with invalid credentials	Normal	Kevin Sugeng	Click the "Login" button		The user is redirected to the appointment booking page at "https://katalon-demo-cura.herokuapp.com/#appointment."	The user is redirected to the appointment booking page at "https://katalon-demo-cura.herokuapp.com/#appointment."	PASS
						Enter the username "InvalidUser" in the username field.	Username = "InvalidUser"	The username is entered in the field.		
						Enter the password "InvalidPas" in the password field.	Password = "InvalidPas"	The password is entered in the field.		
CHT-T4	Empty Username	User in on the login page	Verify users not able to log in without entering user name	Normal	Kevin Sugeng	Click "Login" button		Error message is displayed with "Login failed! Please ensure the username and password are valid"	Error message is displayed with "Login failed! Please ensure the username and password are valid"	PASS
						Leave the username field empty	Username = ""	The username field remain empty		
						Enter password "ThisIsNotAPassword"	Password = "ThisIsNotAPassword"	The password is entered in the field		
CHT-T5	Empty Password	Users is on the login page	Verify users cannot log in without username	Normal	Kevin Sugeng	Click "Login" button		Error message is displayed with "Login failed! Please ensure the username and password are valid"	Error message is displayed with "Login failed! Please ensure the username and password are valid"	PASS
						Enter the username "John Doe" in the username field	Username = "John Doe"	The username is entered in the field		
						Leave the password field empty	Password = ""	The password field remains empty		
CHT-T6	Book appointments with All Fields Filled	-User is logged in -On the appointment booking page	Verify users able to book an appointment when all fields are correctly filled.	Normal	Kevin Sugeng	Click the "Book Appointment" button		The user is redirected to the appointment confirmation page, and a confirmation message is displayed: "Appointment Confirmation"	The user is redirected to the appointment confirmation page, and a confirmation message is displayed: "Appointment Confirmation"	PASS
						Enter "04/09/2024" as the visit date	Visit Date = "04/09/2024"	The date is entered		
						Click the "Book Appointment" button		The user is redirected to the appointment confirmation page, and a confirmation message is displayed: "Appointment Confirmation"		
						Enter "InvalidDate" as the visit date	Visit Date = "InvalidDate"	The date is entered as "InvalidDate"		
CHT-T7	Book appointment with Required Fields Only	-User is logged in -On the appointment booking page	Verify users can book appointment with only the required fields filled	Normal	Kevin Sugeng	Click the "Book Appointment" button		The user is redirected to the appointment confirmation page, and a confirmation message is displayed: "Appointment Confirmation"	The user is redirected to the appointment confirmation page, and a confirmation message is displayed: "Appointment Confirmation"	PASS
						Enter "04/09/2024" as the visit date	Visit Date = "04/09/2024"	The date is entered		
CHT-T8	Book appointment with Invalid Date	-User is logged in -On the appointment booking page	Verify systems can handle invalid date formats correctly and prevents booking	Normal	Kevin Sugeng	Click the "Book Appointment" button		The system should not proceed with the booking, and the "Visit Date" field should remain empty or display an error	The system should not proceed with the booking, and the "Visit Date" field should remain empty or display an error	PASS
						Enter "InvalidDate" as the visit date	Visit Date = "InvalidDate"	The date is entered as "InvalidDate"		
CHT-T9	Book Appointment with Empty Date Field	-User is logged in -On the appointment booking page	Verify system prevents booking appointment when "Visit Date" field is empty.	Normal	Kevin Sugeng	Click the "Book Appointment" button		The system should display a validation, and the booking should not proceed.	The system should display a validation, and the booking should not proceed.	PASS
						Leave the "Visit Date" field empty	Visit Date = ""	The date field remains empty		
CHT-T10	Book Appointment with Past Date	-User is logged in -On the appointment booking page	Verify system handles past dates correctly and prevents booking	Normal	Kevin Sugeng	Click the "Book Appointment" button		The system should display a validation, and the booking should not proceed.	The system should display a validation, and the booking should not proceed.	FAIL
						Enter "01/09/2024"	Visit Date = "01/09/2024"	The date is entered		
CHT-T11	Log out after Booking Appointment	-User is logged in -On the appointment booking page	Verify users able to log out after manage to booking an appointment.	Normal	Kevin Sugeng	Click the "Logout" button from the menu		The user is logged out and redirected to the homepage or login page	The user is logged out and redirected to the homepage or login page	PASS
						Log in with valid credentials and book an appointment	Username = "John Doe" Password = "ThisIsNotAPassword"	The appointment is booked successfully		

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.