

DOCUMENTATION FOR THE CURA HEALTHCARE SERVICE WEBSITE

PROJECT OVERVIEW

Project Name: Cura Healthcare Service

Project Type: Web Application Testing

Description:

Cura Healthcare Service is a web-based healthcare service platform designed to simplify the appointment booking process for users and provide access to healthcare facilities. It allows patients to log in to the portal, choose healthcare programs, select facilities, and book appointments conveniently. Cura Healthcare aims to streamline user interactions with healthcare providers through an intuitive and user-friendly interface.

Website URL:

<https://katalon-demo-cura.herokuapp.com/>

Features:

- **User Authentication:** Users can log in using their credentials to access their profiles and manage appointments.
- **Appointment Booking:** Users can book appointments with healthcare providers by selecting a facility, choosing a healthcare program (e.g., Medicare), and specifying a preferred visit date.
- **Facility Selection:** Users can choose from a list of available healthcare centers for their appointments.
- **Error Handling:** The system provides error messages when invalid data is entered during login or appointment booking, ensuring a smooth user experience.

Technologies Used:

- **Selenium:** For automated functional testing of the Cura Healthcare website.
- **Python:** For writing and managing test scripts.
- **Chrome WebDriver:** To interact with the web browser for testing purposes.
- **WebDriverManager:** For automatic management of ChromeDriver versions.

Testing Scope:

The testing efforts for Cura Healthcare focus on validating key functionalities such as user login, appointment booking, and error handling to ensure that users can interact with the website seamlessly. The testing scope includes:

1. **Functional Testing:** Verifying that all features like login, appointment booking, and logout work as intended.
2. **Negative Testing:** Ensuring the application handles invalid data gracefully, such as incorrect login credentials or incomplete appointment details.
3. **Error Handling Validation:** Testing the application's response to various user actions and server-side issues, ensuring user-friendly error messages are displayed.

Test Case Highlights:

- **Login Validation:** Ensuring that the system restricts access when invalid credentials are provided and displays appropriate error messages.
- **Appointment Booking:** Verifying that users can successfully book appointments by selecting facilities, programs, and providing valid input data.
- **Logout Functionality:** Testing that users can log out from their accounts and are redirected to the homepage.
- **Error Handling:** Simulating various scenarios like missing appointment details, handling server side errors or incorrect data to validate that the application handles errors properly.

Objective:

The primary objective of the Cura Healthcare testing process is to ensure a high level of usability, functionality, and robustness for end-users. The testing aims to identify bugs and improve the system's user experience, ensuring that users can access healthcare services smoothly without encountering issues.

Test Execution Results:

- **Total Test Cases:** 6 functional and negative test cases were executed.
- **Test Status:** All test cases were successfully executed, ensuring that critical features like login and appointment booking meet the required functionality.
- **Challenges:** During testing, handling dynamic error pop-ups and verifying error messages that disappear quickly required additional focus and custom methods to ensure accuracy.

TEST CASES DOCUMENTATION

MODULE 1:

Project Name: Cura Healthcare

Module: Login Process

Date: October 24, 2024

Test Cases:

Test Case ID	Test Case Description	Preconditions	Test Steps	Test Data	Expected Result	Actual Result	Status
TC01	Verify login with invalid credentials	User is on login page	1. Enter invalid username 2. Enter invalid password 3. Click "Login"	Username: John Doey Password: ThisIsAPassword	"Login failed! Please ensure the username and password are valid." should display	Same as expected	Pass
TC02	Verify login with valid credentials	User is on login page	1. Enter valid username 2. Enter valid password 3. Click "Login"	Username: John Doe Password: ThisIsNotAPassword	Login successful. User redirected to Book appointment page.	Same as expected	Pass

The test cases for invalid usernames or passwords has not been designed, as the same error message is displayed when either one or both credentials are invalid.

MODULE 2:**Project Name: Cura Healthcare****Module: Appointment Booking Process****Date: October 24, 2024****Test Cases:**

Test Case ID	Test Case Description	Preconditions	Test Steps	Test Data	Expected Result	Actual Result	Status
TC03	Verify the appointment booking process by selecting facility, healthcare program, a date, and comment	User is logged into the Cura Healthcare system.	1. Navigate to the appointment booking page. 2. Select a facility from the dropdown. 3. Choose a healthcare program. 4. Select a date. 5. Enter a comment. 6. Click on 'Book Appointment'	Facility: "Tokyo CURA Healthcare Center" Healthcare Program: "Medicare" Date: "06/10/2024" Comment: "Appointment booked for regular checkup"	Appointment booked successfully. User directed to Appointment Confirmation page	Same as expected	Pass
TC04	Verify the appointment booking process by selecting facility, healthcare program, comment and leaving the date field empty	User is logged into the Cura Healthcare system.	1. Navigate to the appointment booking page. 2. Select a facility from the dropdown. 3. Choose a healthcare program. 4. Leave the date field empty. 5. Enter a comment.	Facility: "Tokyo CURA Healthcare Center" Healthcare Program: "Medicare" Comment: "Leaving date empty"	The system displays an error message indicating that the date field is required	Same as expected	Pass

			6. Click on 'Book Appointment'				
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MODULE 3:

Project Name: Cura Healthcare

Module: Logout Process

Date: October 24, 2024

Test Case:

Test Case ID	Test Case Description	Preconditions	Test Steps	Test Data	Expected Result	Actual Result	Status
TC05	To test the logout functionality after logging in and booking an appointment.	<ul style="list-style-type: none"> - User has valid login credentials. - User is logged into the application and has an appointment booked. 	<ol style="list-style-type: none"> 1. Open the application URL. 2. Click the "Make Appointment" button. 3. Enter valid username and password. 4. Click the "Login" button. 5. Select a facility. 6. Check the "Apply for hospital readmission" checkbox. 7. Select the "Medicare" healthcare program. 8. Enter a visit date. 9. Add a comment. 10. Click the "Book Appointment 	Username: John Doe Password: ThisIsNotAPassword Facility: Tokyo CURA Healthcare Center Healthcare Program: Medicare Visit Date: 06/10/2024 Comment: Appointment booked for regular checkup	User is successfully logged out and redirected to the homepage of the application.	Same as expected	Pass

			" button. 11. Wait for confirmation. 12. Click the three-lined navbar button. 13. Click the "Logout" option. 14. Verify redirection to the homepage.				
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MODULE 4:**Project Name: Cura Healthcare****Module: Error handling****Date: October 24, 2024****Test Case:**

Test Case ID	Test Case Description	Preconditions	Test Steps	Test Data	Expected Result	Actual Result	Status
TC 06	To test the application's handling of a 404 error by navigating to a non-existent page.	User has access to the application.	1. Open the application URL for a non-existent page (e.g., https://katalon-demo-cura.herokuapp.com/nonexistentpage). 2. Wait for the page to load. 3. Check if an error message is displayed.	URL: https://katalon-demo-cura.herokuapp.com/nonexistentpage	The browser displays the message: Not Found The requested URL was not found on this server.	Same as expected	Pass