Cura Healthcare Service Project Documentation

1.Business Problem

1.1 Overview

The primary business problem addressed by the Cura Healthcare Service project is to enhance patient services by reducing waiting times and providing accurate and up-to-date information about doctor availability.

1.2 Objectives

- Reduce patient waiting time.
- Provide accurate information on doctor availability.
- Improve overall patient experience.

2.Business Requirement

2.1 Accurate and Up-to-Date Information about Doctor Availability

The project should utilize the most recent and reliable data to classify drugs, ensuring that information is accurate and relevant to current medical practices.

2.2 Flexibility

The classification system should be flexible and adaptable to new drugs and changing information.

2.3 Compliance

The project must comply with all relevant laws and regulations, particularly adhering to FDA guidelines for classifying drugs.

2.4 User-Friendly Interface

The classification system should be easy to use and understand for both medical professionals and patients.

3. Literature Survey

3.1 Objectives

The literature survey aims to gather information on current scheduling/appointment systems, strengths and weaknesses, and any gaps in knowledge that the project could address.

3.2 Focus Areas

- Existing studies on drug classification.
- Methods and techniques used in previous drug classification projects.
- Strengths and weaknesses of current appointment systems.

4. Social and Business Impact

4.1 Social Impact

Improved patient care through accurate and up-to-date information on doctor availability, allowing healthcare professionals to make informed decisions about treatment options.

4.2 Business Impact

Assistance in the development of new notifications for unavailable doctors on booked slots and providing information about available doctors for different medical issues.

5.Test Cases

5.1 Buttons

TC_Cura_Login_001:

Test Steps:

1.Open CURA Healthcare Application:

- Use the "Open Browser" keyword to navigate to the CURA Healthcare application.

2.Click on the Login Button:

- Utilize the "Click" keyword to interact with the login button on the application.

3.Enter Valid Login Credentials:

- Use the "Type" keyword to input valid login credentials (username and password) into the appropriate fields.

4.Click on the Submit Button:

- Use the "Click" keyword to submit the login form.

5.Verify Successful Login:

- Add an assertion to verify that the user is successfully logged in. This could involve checking for the presence of a welcome message or navigating to a page accessible only to logged-in users.

Explanation:

This test case is designed to verify that users can successfully log in to the CURA Healthcare application using valid credentials. It ensures that the login process works as expected and that users are granted access to the system.

5.2 Make Appointment

TC_Cura_MakeAppointment_001:

Test Steps:

1.Open CURA Healthcare Application:

- Use the "Open Browser" keyword to navigate to the CURA Healthcare application.

2.Navigate to the Appointment Section:

- Use the appropriate keywords or actions to navigate to the section of the application where users can make appointments.

3.Click on the "Make Appointment" Button:

- Utilize the "Click" keyword to interact with the "Make Appointment" button.

4.Fill in Appointment Details:

- Use the "Type" keyword to input necessary details such as date, time, and other required information for scheduling the appointment.

5.Click on the Submit Button:

- Use the "Click" keyword to submit the appointment form.

6.Verify Successful Appointment:

- Add an assertion to verify that the appointment is successfully scheduled. This could involve checking for a confirmation message or navigating to a page displaying the scheduled appointment.

Explanation:

This test case ensures that users can successfully schedule an appointment through the CURA Healthcare application. It validates that the appointment creation process functions correctly and that users receive confirmation of their scheduled appointments.

5.3 CheckPoints

Checkpoints in Katalon Studio refer to verification points or validation steps in your test cases. They are used to confirm whether certain conditions or expectations are met during test execution. Checkpoints help ensure that your application behaves as expected, and they are crucial for validating the correctness of your tests.

Checkpoint_Excel_001 for CURA Healthcare Service Project

Objective:

To create a test case that checks if data from an Excel sheet is correctly loaded into the CURA Healthcare application.

Test Steps:

1.Open CURA Healthcare Application:

- Use the "Open Browser" keyword to navigate to the CURA Healthcare application.

2.Read Data from Excel:

- Use the "Read Excel" keyword to read data from an Excel sheet. This sheet could contain information related to patients, appointments, or any other relevant data.

3.Perform Actions Based on Excel Data:

- Implement actions in your test case based on the data retrieved from the Excel sheet. For example, if the Excel sheet contains patient details, you might use the data to fill in a patient registration form.

4.Checkpoint: Verify Data on Application:

- Use a checkpoint to verify that the data entered into the application matches the data read from the Excel sheet. This could involve checking if patient details, appointment information, or any other relevant data is correctly displayed or stored in the application.

5.Generate Test Report:

- Execute the test case and review the generated test report. Check if the checkpoint passed or failed, providing insights into whether the application behaved as expected based on the Excel data.

5.4 KeyWords

In Katalon Studio, a keyword is a reusable action or operation that performs a specific task during test execution. Keywords can be built-in (provided by Katalon) or custom (created by users). They serve as the building blocks of your test cases, allowing you to interact with elements, make assertions, and perform various actions.

Creating a Custom Keyword (TC_Keyword_001) for CURA Healthcare Service Project:

1. Open Katalon Studio:

- Launch Katalon Studio and open your CURA Healthcare service project.

2. Navigate to "Keywords" Section:

- In the Katalon Studio interface, find and select the "Keywords" section.

3. Create a New Keyword:

- Right-click on the "Keywords" folder and select "New > Keyword."

4. Name the Keyword:

- Name your keyword as "TC_Keyword_001" to indicate that it's a test case-specific custom keyword.

5. Define the Keyword's Purpose:

- Inside the keyword, define its purpose and what it aims to achieve. For example, you might create a keyword to navigate to the CURA Healthcare login page.

5.5 TestListeners

TC_TL_AppointmentConfirmation_001

1. Open Katalon Studio:

- Launch Katalon Studio on your computer.

2. Create a New Test Case:

- In Katalon Studio, go to the "Test Explorer" or "Test Cases" section.
- Right-click and select "New Test Case."
- Name the test case as TC_TL_AppointmentConfirmation_001.

3. Define Test Purpose:

- Begin the test case with a clear description of its purpose.
- For example, "Verify that the appointment confirmation functionality works correctly in Cura Healthcare Service."

4. Add Test Steps:

- Break down the test into individual steps.
- Include actions like navigating to the appointment page, filling out required fields, and confirming the appointment.

5. Add Test Listener:

- In Katalon Studio, navigate to the "Test Listeners" section.
- Create a new Test Listener (if not already available) for handling setup or teardown tasks.
- Associate the Test Listener with the test case.

6. Implement Test Listener Methods:

- Within the Test Listener, implement methods like **beforeTestCase** and **afterTestCase**.
- Use **beforeTestCase** to set up preconditions, such as logging in or navigating to the desired page.
- Use **afterTestCase** for cleanup tasks, ensuring the application is left in a consistent state.

7. Execute the Test Case:

- Run the test case to ensure proper execution.
- Verify that the appointment confirmation process in Cura Healthcare Service behaves as expected.

8. Review and Debug:

- Check the test results for any failures.
- Debug and update the test case if needed.

6. Conclusion

The Cura Healthcare Service project aims to address the business problem of patient waiting time and provide accurate information about doctor availability. By adhering to business requirements and leveraging insights from a literature survey, the project aims to have a positive impact on both patient care and business operations.