CURA Healthcare Service Prior Appointment Feature Implementation

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1. Introduction

This document serves as a comprehensive guide for the implementation of the Prior Appointment Feature in CURA Healthcare Service. It outlines the project flow, problem definition, business problem specification, business impact, test case preparation, execution, build delivery, cross-browser testing, and report generation processes.

2. Project Overview

CURA Healthcare Service aims to address the challenges faced by patients in securing timely appointments with doctors. The Prior Appointment Feature enables patients to schedule appointments efficiently, reducing waiting times and improving overall patient experience.

3. Project Flow

The project flow involves user interaction with the CURA Healthcare Service UI, login credential validation, appointment scheduling, and various testing phases to ensure the functionality and reliability of the Prior Appointment Feature.

4. Problem Definition

Prior to the implementation of the Prior Appointment Feature, patients encountered difficulties in securing timely appointments with doctors, leading to prolonged waiting times and uncertainty regarding doctor availability.

5. Business Problem Specification

The business problem revolves around the inefficiency of the existing appointment scheduling system, resulting in patient dissatisfaction and potential health-related risks due to delayed consultations.

6. Business Impact

The implementation of the Prior Appointment Feature significantly improves the efficiency of appointment scheduling, enhances patient satisfaction, and reduces the risk of health-related complications by ensuring timely consultations.

7. Test Case Preparation

Requirements Analysis

Analyzing the requirements involves understanding the functionalities and specifications of the Prior Appointment Feature, including user authentication, appointment scheduling, and validation criteria.

Scenario Definition and Input Data Collection

Scenarios are defined based on user interactions with the UI to simulate real-world usage scenarios. Input data, including login credentials and appointment details, are collected for test case preparation.

Test Case Preparation

Test cases are prepared to validate the functionality, usability, and reliability of the Prior Appointment Feature. Each test case covers specific scenarios and validation criteria.

Test Data Preparation

Test data, in the form of a validation table, is prepared to verify the accuracy of the Prior Appointment Feature. The validation table includes expected outcomes for various test scenarios.

8. Script/Test Case Execution

Test Suite and Test Suite Collection Level Execution

Test suites and test suite collections are executed to validate the functionality of the Prior Appointment Feature across different scenarios and user interactions.

Handling and Validating Buttons

Buttons within the UI are tested to ensure proper functionality and responsiveness, enhancing the overall user experience of the Prior Appointment Feature.

Test Listeners

Test listeners are implemented to monitor and capture events during test case execution, facilitating debugging and error analysis.

9. Build Delivery

Integrating Katalon with Git and Jenkins

Katalon is integrated with Git and Jenkins for version control and continuous integration, enabling seamless deployment and delivery of the Prior Appointment Feature.

10. Cross-Browser Testing

Using TestCloud

Cross-browser testing is conducted using TestCloud to ensure compatibility and consistent functionality of the Prior Appointment Feature across different web browsers.

11. Report Generation and Distribution

Comprehensive reports are generated and analyzed to assess the performance and reliability of the Prior Appointment Feature. Reports are distributed via email to stakeholders for review and feedback.

12. Conclusion

The implementation of the Prior Appointment Feature in CURA Healthcare Service enhances the efficiency of appointment scheduling, improves patient satisfaction, and ensures timely consultations with healthcare providers. Through meticulous testing and execution, the feature is validated for functionality, usability, and reliability, contributing to an enhanced user experience and improved healthcare service delivery.