**TEST PLAN IEEE FORMAT:**

Test Plan for CURA Healthcare Service Website

1. **Test Plan Id: CHS\_ST\_TP\_001**
2. **Introduction:**

* This is a Test Plan for the CURA Healthcare Service website.
* It is a website for patients across the world to book consultation appointments.
* They can choose one of the three available healthcare centres, select one of the two available health insurance programmes, schedule a visit date and comment on their medical condition or need.
* There is also an option enabling patients to apply for readmission.
* The website also shows the history of bookings made.
* The purpose of this application is to provide timely healthcare services to people across the world by making the process of getting a medical appointment easier.
* The test plan will ensure that the website is functioning as intended and that patients can easily navigate the site to book appointments.
* It will also ensure that the website is secure, and that patient data is protected. The test plan will include functional, performance, and security testing to ensure that the website meets the highest standards of quality and reliability.

1. **Test Items:**

* Validation of Login Functionality
* Validation of Make Appointment Functionality
* Validation of History Functionality
* Validation of Logout Functionality
* Validation of Launch of website/ Validation of Homepage

1. **References:**

* Requirements
* Project Plan
* Test Strategy
* Use cases (if available)
* High level Design Documents
* Low Level Design Documents
* Process Guide line document
* Prototypes

1. **Approach (Functionality Testing):**

* Unit Testing
* Modular Testing
* Integration Testing
* System Testing
* Interface Testing
* Smoke Testing
* Sanity Testing

1. **Features to be tested:**
2. **Validation of Login Functionality:**

* Enter the username.
* Enter the password.
* Click Login.
* Ensure user is redirected to the login page.

1. **Validation of Make Appointment Functionality**

* Click the ‘Make Appointment’ button.
* Login using the username and password.
* Choose the facility from the dropdown menu.
* Select the checkbox for readmission if required.
* Choose the required radio button for the respective healthcare program.
* Select the date of appointment.
* Type a comment about the medical condition or illness in the comment box.
* Click the ‘Book Appointment’ button.
* Ensure the Appointment Booking Confirmation page is reached.
* Explore the dropdown functionality using Checkpoint or Custom Keyword.
* Explore the checkbox functionality and the radio button functionality.

1. **Validation of History Functionality**

* Click the ‘History’ option from the sidebar.
* Check for presence of previous appointments.

1. **Validation of Logout Functionality**

* Click the ‘Logout’ option from the sidebar.
* Ensure the user is redirected to the homepage

1. **Validation of launch of Website/ Validation of Homepage**

* Verify the title of the webpage using Checkpoint or Custom Keyword.

1. **Features not to be tested:** N/A
2. **Features Pass/Fail Criteria:** Checking which of the above features work properly.
3. **Entry Criteria:**
   1. Test Design:
      * Team formation, Responsibilities, schedule, requirements, test case template
      * Training on domain, on automation tools
   2. Test Execution

Readiness of test tab

Readiness of AUT Requirements

Test case Documents

Test data

Defect Report Template

Etc….

1. **Exit Criteria:**

All possible test cases executed

Maximum defect fixed, final regression performed successfully

Confidence on test process

Time limitations

Budget limitations

1. **Suspension criteria: Nil**
2. **Roles and Resposibilities:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **NAME** | **ROLE** | **RESPONSIBILITIES** | **REMARKS** |
| 1 | Jithu Joji | Test Lead | Test planning, guidance, Monitoring and test control |  |
| 2 | Jithu Joji | Sr. Tester | Test data collection, Generating test scenarios |  |
| 3 | Jithu Joji | Tester | Test case documentation, test execution, defect reporting and tracking for admin module |  |
| 4 | Jithu Joji | Unit Tester | Testing the individual features of the website like login, make appointment, history, logout etc. |  |
| 5 | Jithu Joji | Integration Tester | Testing the flow of control from one unit feature to the other like verifying the booking confirmation page is reached once the make appointment page has been filled and submitted. |  |
| 6 | Jithu Joji | System Tester | Testing the overall functioning of the website for booking medical appointments. |  |
| 7 | Jithu Joji | Interface Tester | Testing if the interface is user friendly and has quick responsiveness. |  |

1. **Schedule:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SNO** | **TASK** | **DAYS** | **DURATION** | **REMARKS** |
| 1 | Understanding and Analyzing requirements | 2 | 8th Jan – 9th Jan |  |
| 2 | Test Plan | 1 | 10th Jan |  |
| 3 | Problem Definition and Understanding | 3 | 11th Jan – 13th Jan |  |
| 4 | Generating Test cases and scenarios | 4 | 14th Jan – 17th Jan |  |
| 5 | Data-Driven Testing | 2 | 18th Jan – 19th Jan |  |
| 6 | Handling and Validating Buttons | 2 | 20th Jan – 21st Jan |  |
| 7 | Test Listener Creation and Execution | 3 | 22nd Jan – 24th Jan |  |
| 8 | Integration of Katalon, Git and Jenkins | 2 | 25th Jan – 26th Jan |  |
| 9 | Report Generation and Submission | 1 | 27th Jan |  |
| 10 | Explanation Video Generation and Submission | 1 | 28th Jan |  |

1. **Training:**

* Training program on Software Test Automation
* Test Automation Training Using Katalon Tool
* Project On Testing in CURA Healthcare Service Website using Katalon
* Training on Integration of Katalon with Github and Jenkins
* Self-paced learning program consisting of 25 courses on Software Automation testing by Katalon

1. **Risks and Mitigations**

* Vendors issues
* Time
* Budget
* Network

1. **Test Environment/ Lab: Client side**

* **Operating System**: macOS Sonoma
* **Google Chrome:** Version 121.0.6167.85
* **Firefox:** Version 122.0
* **Excel version:** Microsoft® Excel® for MacOS
* **Laptop details:**

Apple M2 chip

8-core CPU with 4 performance cores and 4 efficiency cores

8-core GPU

8GB of unified memory

**Application Type:** Web Application, Internet and public

**Application Under Test (AUT):**

WebUI

* Support all front-end frameworks: ReactJS, AngularJS, VueJS.
* Cross-browser compatibility: Chrome, Firefox, Safari, Edge Katalon Studio version: Version 9.1.0

1. **Test Deliverables:**

* Test Plan
* RTM
* Test Case and Test Scenario docs
* Test data
* Test summary report

1. **Approvals:**

|  |  |  |  |
| --- | --- | --- | --- |
| **SNO** | **TASK/S** | **AUTHOR/ RULE** | **DATE & SIGNATURE** |
| 1 | Test plan documentation | Dr. T Mamatha |  |
| 2 | Review | Smartbridge, Katalon |  |
| 3 | Approval | Smartbridge, Katalon |  |

1. **Glossary**

AUT- Application Under Test

PIN- Project initiation note

SRS- Software Requirement Specification