

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.

3. 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

4. References:

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

5. Approach (Functionality Testing):

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

6. Features to be tested:

(a) Validation of Login Functionality:

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

(b) 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.

(c) Validation of History Functionality

- Click the 'History' option from the sidebar.
- Check for presence of previous appointments.

(d) Validation of Logout Functionality

- Click the 'Logout' option from the sidebar.
- Ensure the user is redirected to the homepage.

(e) Validation of launch of Website/ Validation of Homepage

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

7. Features not to be tested: N/A

8. Features Pass/Fail Criteria: Checking which of the above features work properly.

9. Entry Criteria:

a) Test Design:

- Team formation, Responsibilities, schedule, requirements, test case template
- Training on domain, on automation tools

b) Test Execution

Readiness of test tab

Readiness of AUT

Requirements

Test case Documents

Test data

Defect Report Template

Etc....

10. Exit Criteria:

All possible test cases executed

Maximum defect fixed, final regression performed successfully

Confidence on test process

Time limitations

Budget limitations

11. Suspension criteria: Nil

12. Roles and Responsibilities:

S.NO	NAME	ROLE	RESPONSIBILITIES	REMARKS
1	Sidharth Dinesh	Test Lead	Test planning, guidance, Monitoring and test control	
2	Sidharth Dinesh	Sr. Tester	Test data collection, Generating test scenarios	

3	Sidharth Dinesh	Tester	Test case documentation, test execution, defect reporting and tracking for admin module	
4	Sidharth Dinesh	Unit Tester	Testing the individual features of the website like login, make appointment, history, logout etc.	
5	Sidharth Dinesh	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	Sidharth Dinesh	System Tester	Testing the overall functioning of the website for booking medical appointments.	
7	Sidharth Dinesh	Interface Tester	Testing if the interface is user friendly and has quick responsiveness.	

13. Schedule:

SNO	TASK	DAYS	DURATION	REMARKS
1	Understanding and Analyzing requirements	2	8 th Jan – 9 th Jan	
2	Test Plan	1	10 th Jan	
3	Problem Definition and Understanding	2	11 th Jan – 12 th Jan	
4	Generating Test cases and scenarios	4	13 th Jan – 16 th Jan	
5	Data-Driven Testing	2	17 th Jan – 18 th Jan	
6	Handling and Validating Buttons	3	19 th Jan – 21 st Jan	
7	Test Listener Creation and Execution	3	22 nd Jan – 24 th Jan	
8	Integration of Katalon, Git and Jenkins	2	25 th Jan – 26 th Jan	
9	Report Generation and Submission	1	27 th Jan	
10	Explanation Video Generation and Submission	1	28 th Jan	

14. 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

15. Risks and Mitigations

- Vendors issues
- Time
- Budget
- Network

16. Test Environment/ Lab:

Client side

- **Google Chrome:** Version 120.0.6099.72 (Official Build) (64-bit)
- **Microsoft Edge:** Version 120.0.2210.121 (Official build) (64-bit)
- **Excel version:** Microsoft® Excel® for Microsoft 365 MSO (Version 2311 Build 16.0.17029.20028) 64-bit
- **Laptop details:**
AMD Ryzen 5 4600H with Radeon Graphics 3.00 GHz Processor
16.0 GB (15.4 GB usable) installed RAM
64-bit operating system, x64-based processor
Windows 11 Home Single Language Edition

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

17. Test Deliverables:

- Test Plan
- RTM

- Test Case and Test Scenario docs
- Test data
- Test summary report

18. Approvals:

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

19. Glossary

AUT- Application Under Test

PIN- Project initiation note

SRS- Software Requirement Specification