CURA Healthcare Service

# Test Plan: CURA Healthcare Service Web App

## DATE: 06/06/2025

### ****1. Introduction****

This document defines the testing strategy, scope, resources, and schedule for testing the CURA Healthcare service web application. The objective is to verify that the application satisfies all specified functional requirements and behaves reliably under expected usage conditions.

**1.1. Purpose**

The purpose of this test plan is to define a clear and structured approach for manual and automated testing, covering all aspects of the web application. It aims to establish the testing deliverables, schedule, and entry/exit criteria to measure success.

### ****2. Scope****

The testing scope focuses on validating the core functionalities of the CURA Healthcare Service Web App.

#### ****2.1 Features to be Tested****

The features to be covered in this testing phase include the following:

* Login functionality
* Book Appointment
* Homepage
* History
* Profile
* Logout functionality

### ****3. Testing Approach****

The testing will be conducted in phases, combining both manual and automated testing methods to maximize coverage and efficiency.

#### ****3.1 Manual Testing Approach****

* Focus on exploratory testing to validate different aspects of the web application.
* Each test case will be executed manually to verify expected outcomes against actual behavior.
* **Regression testing** will be conducted after bug fixes for maintenance and to ensure stability.

#### ****3.2 Automation Testing Approach****

* Cypress will be used for automating repetitive tasks.
* Focused on smoke tests, regression tests, and critical workflows.
* Automation scripts will be reviewed and optimized periodically.

#### ****3.3 Test Types****

1. **Functional Testing:** Validate all functionalities in the Inventory module.
2. **Negative Testing:** Verify the system handles incorrect inputs and exceptions gracefully.
3. **User Interface (UI) Testing:** Ensure the UI is consistent and user-friendly.
4. **Regression Testing:** Ensure existing functionalities are unaffected by new changes.

### ****4. Test Environment****

#### ****4.1 Requirements****

* Web application URL
* Operating System: Windows 10 / 11
* Browsers: Chrome, Firefox.
* Testing Tools: Excel, Cypress, Jira for bug tracking.

### ****5. Resources****

| **Role** | **Name** | **Responsibilities** |
| --- | --- | --- |
| **QA Engineer** | Jeffrey Nayeri | Define test strategy, execute test cases, log defects, retest after fixes and prepare reports |
| **Project Manager** | N/A | Oversee the project timeline, coordinate team efforts, and ensure project deliverables. |
| **Business Analyst** | N/A | Assist in requirements clarification and ensure test coverage |

### ****6. Test Deliverables****

The following deliverables will be produced as part of the testing process:

* **Test Plan Document**
* **Test Case Excel Document**
* **Defect Log documentation**
* **Test Summary Report**

### ****7. Risks and Mitigation****

| **Risk** | **Mitigation Strategy** |
| --- | --- |
| Delay in receiving business requirements | Collaborate closely with the business team and prioritize key functionalities |
| Unavailability of test environment | Coordinate the with Development team to ensure test environments are ready |
| High defect leakage in early builds | Conduct early smoke testing and involve developers in peer reviews |

### ****8. Schedule****

| **Activity** | **Start Date** | **End Date** |
| --- | --- | --- |
| Test Planning | 06/06/2025 | 06/06/2025 |
| Test Case Design | 07/06/2025 | 08/06/2025 |
| Test Execution (Manual) | 08/06/2025 | 08/06/2025 |
| Defect logging | 08/06/2025 | 08/06/2025 |
| Automation Testing | 09/06/2025 | 09/06/2025 |
| Retesting & Closure | 10/06/2025 | 10/06/2025 |
| Test Summary Report | 10/06/2025 | 10/06/2025 |

### ****9. Entry and Exit Criteria****

#### ****9.1 Entry Criteria****

* The test environment is ready.
* Functional requirements are finalized and shared with the QA team.
* Test plans are designed and reviewed.

#### ****9.2 Exit Criteria****

* All critical and high-severity defects are fixed and verified.
* 95% of test cases are executed and passed.
* Test Summary Report is prepared and shared.

### ****10. Approval and Sign-Off****

The test plan will be reviewed and approved by the following stakeholders:

* **QA Engineer**: Jeffrey Nayeri
* **Project Manager**: N/A
* **Business Analyst**: N/A