CURA Healthcare Service

# Test Plan: CURA Healthcare Service Web App

DATE: 09/06/2025

**1. Introduction**

This Test Summary Report documents the testing activities executed against the CURA Healthcare Service web application following its deployment. It captures the scope and objectives of the post-deployment testing effort, provides an execution summary, details any defects and key observations, and concludes with recommendations for stabilization or enhancement.

The primary goal of this report is to help stakeholders with an objective assessment of the application’s operational stability and functional conformity in its production environment, thereby informing maintenance priorities and future release planning.

**2. Test Objectives**

The main objectives of testing the web application include:

1. **Verify Functional Accuracy**: Ensure that all core functionalities meet the specified requirements.
2. **Identify and Log Defects**: Detect defects in the system and categorize them based on severity and priority.
3. **Validate Usability**: Ensure the user interface is intuitive and access control mechanisms are robust.
4. **Regression Testing**: Verify that any new fixes do not introduce regressions in existing functionalities.

**3. Scope of Testing**

The test covered the following features of the CURA Healthcare Service web application:

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

**4. Test Strategy Overview**

| **Testing Type** | **Description** | **Status** |
| --- | --- | --- |
| **Functional Testing** | Verify that all business requirements are implemented correctly. | Completed |
| **Regression Testing** | Ensure new fixes do not impact existing functionality. | N/A |
| **UI/UX Testing** | Check for visual consistency, responsive design, and ease of use. | Completed |

**5. Test Execution Summary**

| **Metrics** | **Value** | **Remarks** |
| --- | --- | --- |
| Total Test Cases Designed | 8 | Eight test cases defined to cover all scenarios. |
| Test Cases Executed | 7 | 87.5% (7 of 8) executed. |
| Test Cases Passed | 7 | 87.5% pass rate (7 of 8), indicating core features are stable. |
| Test Cases Failed | 0 | No test cases failed. |
| Test Cases Not Executed | 1 | 12.5% (1 of 8) not executed (blocked/skipped). |

**6. Defect Analysis**

| **Severity** | **Total Defects** | **Resolved** | **Unresolved** | **Remarks** |
| --- | --- | --- | --- | --- |
| **Critical** | 0 | 0 | 0 | --- |
| **High** | 0 | 0 | 0 | --- |
| **Medium** | 0 | 0 | 0 | --- |
| **Low** | 0 | 0 | 0 | --- |

**7. Key Findings**

During the testing process, a few gaps were discovered that could affect user experience and data integrity:

* **No account registration workflow**:

The application lacks a sign-up page or backend process for creating persistent user accounts.

* **Past-date appointments permitted:**

Users can book appointments on dates that have already passed, resulting in invalid records.

* **Session-only appointment history:**

Because there’s no persistent user profile, all booking history is cleared on logout.

* **User profiles unavailable:**

There is no interface for users to input or update their personal details.

**8. Recommendations**

To address these gaps and improve operational stability in production, the following actions are advised:

* **Implement user registration & authentication**  
  Add a sign-up/sign-in workflow with secure backend storage to persist user data and sessions.
* **Enforce booking date validation**  
  Introduce client- and server-side checks to block selection of past dates when scheduling appointments.
* **Persist booking history**  
  Associate each appointment record with the user’s account in the database so history survives logout.
* **Enable profile management**  
  Provide UI screens and API endpoints for users to create and update profile details (name, contact information, preferences).

### **9. 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