**Test Plan: CURA Healthcare Service Demo Website**

**1. Project Overview**

* **Application**: CURA Healthcare Service (<https://katalon-demo-cura.herokuapp.com>)
* **Purpose**: Web-based healthcare appointment scheduling
* **Objective**: Verify the functional, UI, security, and usability aspects of the application
* **Scope**: End-to-end testing of the appointment workflow and related modules

**2. Test Objectives**

* Validate the core appointment booking workflow
* Ensure user authentication (login/logout) works as expected
* Verify UI elements are responsive and consistent
* Check form validations and data handling
* Test for potential security flaws (basic level)
* Verify cross-browser and cross-device compatibility

**3. Test Scope**

**✅ In Scope**

* Login/Logout functionality
* Appointment scheduling workflow
* Appointment confirmation page
* Form field validations
* Navigation and link integrity
* Basic security checks (SQL injection, broken access)

**❌ Out of Scope**

* Backend/database validation
* Integration with external systems (SMS/Email confirmations)
* Performance testing (due to limitations of the Heroku-hosted demo)

**4. Test Strategy**

**4.1 Test Types**

| **Test Type** | **Description** |
| --- | --- |
| Functional Testing | Validate that features function according to requirements |
| UI/UX Testing | Validate the look, feel, and usability |
| Negative Testing | Test system behavior with invalid inputs |
| Security Testing | Basic checks (XSS, SQL Injection, session handling) |
| Cross-Browser Testing | Validate on Chrome, Firefox, Edge |
| Cross-Device Testing | Validate on desktop and mobile browsers |

**5. Test Environment**

* **OS**: Windows 10/11, macOS Ventura, Android, iOS
* **Browsers**: Chrome (latest), Firefox, Microsoft Edge
* **Devices**: Desktop, Mobile (Android/iOS simulators)
* **Test Tool**: Katalon Studio for automated scripts

**6. Test Scenarios Overview**

| **ID** | **Scenario** | **Priority** |
| --- | --- | --- |
| TC01 | Login with valid credentials | High |
| TC02 | Login with invalid credentials | High |
| TC03 | Navigate to appointment form | Medium |
| TC04 | Fill and submit a valid appointment | High |
| TC05 | Submit form with empty required fields | High |
| TC06 | Logout and verify redirection to login | Medium |
| TC07 | Verify date picker and drop-down values | Medium |
| TC08 | Check broken links/navigation | Low |
| TC09 | Attempt script injection in fields | Medium |
| TC10 | Check responsiveness (mobile viewport) | Medium |

**7. Entry and Exit Criteria**

**Entry Criteria**:

* Test environment is ready
* Test cases and data are approved
* Access to demo URL is available

**Exit Criteria**:

* All high-priority test cases executed and passed
* Defects are logged, reviewed, and closed
* Test summary report delivered

**8. Test Data Requirements**

* Valid user credentials: John Doe / ThisIsNotAPassword
* Invalid user credentials
* Sample appointment data (dates, comments, facility options)

**9. Risk & Mitigation**

| **Risk** | **Mitigation** |
| --- | --- |
| Application may reset or change unexpectedly | Use mock data, run isolated tests |
| Third-party hosting (Heroku) downtime | Use retries or mirror staging environment |
| Limited testability due to demo status | Focus on UI flow and form validation only |

**10. Deliverables**

* Test Plan Document (this)
* Test Case Suite (manual & automated)
* Defect Log (in Excel or Jira)
* Test Summary Report
* Automation Report (from Katalon)