

Test Plan: Appointment Booking API Testing

1. Objective

To validate the functionality of the login and appointment booking APIs at [CURA Healthcare](#), ensuring that a user can log in successfully and make appointments by selecting appropriate dates.

2. Scope

This test covers:

- Authentication of users using the Login API.
- Creating an appointment using the Make Appointment API.

3. Test Environment

- **Base URL:** <https://katalon-demo-cura.herokuapp.com/>
- **Tools:** Postman / JMeter / Curl / Automation with RestAssured (Java) or Python Requests
- **Auth Type:** None
- **Content Type:** application/x-www-form-urlencoded

4. API Endpoints

4.1. Login API

- **URL:** <https://katalon-demo-cura.herokuapp.com/authenticate.php>
- **Method:** POST
- **Headers:**
 - Content-Type: application/x-www-form-urlencoded
- **Payload:**

plaintext

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username=John Doe

password=ThisIsNotAPassword

- **Response Validation:**

- Status Code: 200
- Response Body: Should indicate success or failure (e.g., message: "Login successful")
- Token or Session validation if applicable (although it's mentioned Auth: NO)

4.2. Make Appointment API

- **URL:** <https://katalon-demo-cura.herokuapp.com/authenticate.php> (*same as login, may need clarification*)
- **Method:** POST
- **Headers:**
 - Content-Type: application/x-www-form-urlencoded
- **Payload:**

plaintext

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facility=Seoul CURA Healthcare Center

hospital_readmission=Yes

programs=Medicaid

visit_date=25/09/2024

comment=dasdasda

- **Response Validation:**
 - Status Code: 200
 - Response Body: Should confirm appointment details, e.g., appointment ID, confirmation message.

5. Test Scenarios

Positive Test Cases

1. Valid Login

- Input: Correct username and password
- Expected: Login successful

2. Valid Appointment Booking

- Input: All required fields with valid data
- Expected: Appointment created successfully

Negative Test Cases

3. Invalid Login Credentials

- Input: Wrong username or password
- Expected: Login failure message

4. Empty Login Fields

- Input: Blank username or password
- Expected: Proper error message

5. Appointment Without Login *(If Auth required in future)*

- Input: Submit appointment without login/session
- Expected: Unauthorized error (401/403)

6. Missing Required Fields in Appointment

- Input: Empty visit_date, missing facility
- Expected: 400 Bad Request or validation error

7. Invalid Date Format

- Input: Date like 2024-09-25 instead of 25/09/2024
- Expected: Validation failure

8. Invalid Field Values

- Input: Non-existent facility, invalid program
- Expected: Validation failure

6. Test Data

Username	Password	Facility	Date	Program	Readmission	Comment
John Doe	ThisIsNotAPassword	Seoul CURA Healthcare Center	25/09/2024	Medicaid	Yes	dasdasda

7. Out of Scope

- UI validation of the appointment portal
- Database persistence verification
- Email/SMS notification after booking

8. Risks & Assumptions

- API URL for appointment and login is currently the same — may be a typo or misconfiguration.
- No authorization mechanism implemented yet (Auth: NO)
- Assuming appointments do not require login/session as per current setup.

9. Test Deliverables

- Postman Collection / JMeter Script
- API Test Report with status of test cases
- Bugs/Defects logged (if any)