

Test Plan of Appointment Booking API Testing

1. Objective

To verify the login and appointment booking APIs of the CURA Healthcare web application, ensuring that user can successfully log in with valid credentials and create an appointment by submitting valid form fields.

The Test aims to validate both functional and input-level correctness.

2. Scope

In Scope that covers:

1. Authentication using Login API.
2. Make an Appointment for Appointment API.
3. Logout Session

3. Test Environment

1. URL : <https://katalon-demo-cura.herokuapp.com/>
2. Tools: Postman for manual API testing, Web Browser, Dev-Tools
3. Platform : Web
4. Auth: No authentication
5. Content Type: application/x-www-form-urlencoded

4. API Endpoints

4.1. Login API

- **Request URL:** <https://katalon-demo-cura.herokuapp.com/profile.php#login>
- **HTTP Method:** POST
- **Header:**
Content Type: application/x-www-form-urlencoded
- **Payload:**
username = John Doe
Password = ThisIsNotPassword
- **Response Validation**
Content Type: text/html; charset=UTF-8
Status Code: 302 Found
Response Body - should indicate success or failure

4.2. Make Appointment

- **Request URL:** <https://katalon-demo-cura.herokuapp.com/#appointment>
- **Method:** POST
- **Header :**
Content Type: application/x-www-form-urlencoded
- **Payload:**
facility Seoul CURA Healthcare Center

Test Plan of Appointment Booking API Testing

programs Medicare
visit_date 05/06/2025
comment

- **Response Validation**

Content Type: text/html; charset=UTF-8

Status Code: 200 OK

Response Body - Should indicate confirmation message.

5. Test Scenario

5.1. Positive Test Cases

TC1 : Valid username and password - expect login successful.

TC2: Valid filed in Appointment Data - except Appointment confirmation.

TC3: Valid Logout - Status 302 Found, session cleared, redirect to login/home

5.2. Negative Test Case

TC4: Invalid username and password - Status 401 Unauthorized, error message

TC5: Empty Credentials. - Status 400 Bad Request, error message

TC6: Missing Appointment Fields – Status 400 Bad Request, missing fields message

TC7: Invalid Date Format – Status 400, invalid date format message

TC8: Book Without Login : Status 401 Unauthorized, authentication required message

TC9: Logout Without active Session – Status 302 Found, redirect but no session impact

6. Test Data

Valid Credentials

- Username- John Doe
- Password- ThisIsNotAPassword

Facility-

- Seoul CURA Healthcare Center
- Tokyo CURA Healthcare Center

Visited Dates-

- Valid- 25/11//2024
- Invalid- 2024-09-25, 99/9

7. Notes & Assumptions

- JSON is used for both login and appointment creation requests.
- Logout is a simple GET request that triggers session termination.
- No tokens or headers are explicitly required unless session-based handling via cookies is necessary.

1. • Response structure and session handling should be confirmed during testing.

8. Risks & Assumptions

Test Plan of Appointment Booking API Testing

- 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)