

Test Plan: Appointment Booking API

1. Objective

To test the functionality of an API that allows users to:

- Log in with valid credentials,
 - Book appointments with specified details,
 - Log out of the session.
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2. Scope

This test plan covers:

- User login functionality.
 - Appointment creation process after login.
 - User logout functionality.
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3. API Endpoints

Login API

- **Method:** POST
- **URL:** <https://katalon-demo-cura.herokuapp.com/authenticate.php>
- **Headers:**
 - Content-Type: application/json
- **Body (JSON):**

```
{  
  "username": "John Doe",  
  "password": "ThisIsNotAPassword"  
}
```

- **Authentication:** None
 - **Expected Response:** A session token or redirect indicating successful login.
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Make Appointment API

- **Method:** POST
- **URL:** <https://katalon-demo-cura.herokuapp.com/appointment.php>
- **Headers:**
 - Content-Type: application/json
- **Body (JSON):**

```
{  
  "facility": "Seoul CURA Healthcare Center",  
  "hospital_readmission": "Yes",  
  "programs": "Medicaid",  
  "visit_date": "25/09/2024",  
  "comment": "dasdasda"  
}
```

- **Authentication:** Uses session (e.g., cookies from login)
 - **Expected Response:** Confirmation message or status.
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Logout API

- **Method:** GET
 - **URL:** <https://katalon-demo-cura.herokuapp.com/authenticate.php?logout>
 - **Authentication:** Uses session
 - **Expected Response:**
 - **Status Code:** 302 Found
 - **Behavior:** Redirect to login or home page, ending session.
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4. Test Scenarios

Positive Test Cases

- **TC01:** Valid Login – Expect success and session initiation.
- **TC02:** Valid Appointment – Submit required fields, expect confirmation.
- **TC03:** Try Multiple Facilities – All valid entries should succeed.
- **TC04:** Valid Date Format – Standard DD/MM/YYYY should work.
- **TC05:** Valid Logout – Expect session termination and redirection.

Negative Test Cases

- **TC06:** Invalid Login – Wrong credentials should return an error.

- **TC07:** Missing Login Fields – Empty username/password returns error.
 - **TC08:** Missing Appointment Fields – Should return validation error.
 - **TC09:** Invalid Date Format – e.g., 2024-25-09 should fail.
 - **TC10:** Unauthorized Appointment Request – Should fail without login.
 - **TC11:** Logout Without Session – Should redirect or show default behavior.
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5. Test Data

- **Valid Credentials:**
username: John Doe
password: ThisIsNotAPassword
 - **Facilities:**
 - Seoul CURA Healthcare Center
 - Tokyo CURA Healthcare Center
 - **Visit Dates:**
 - Valid: 25/09/2024
 - Invalid: 2024-09-25, 99/99/9999
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6. Tools & Environment

- **Tools:** Postman, Katalon Studio, browser developer tools
 - **Environment:** API endpoints (as listed), session-based web handling
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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.
- Response structure and session handling should be confirmed during testing.