**Project Name:** Patient Management System

**Test Case Title**: Verify User Authentication Functionality

**Test Case ID**: LMS-WBT-001

**Test Objective**: To rigorously validate the user authentication mechanism within the Patient

Management System, ensuring that only authorized users can access the system.

# Test Environment:

* Operating System: Windows 10
* Browser: Google Chrome Version 99.0.4844.60

**Test Perspective**: White Box Testing

# Test Input:

* **Preconditions**: The Patient Management System login page is accessible.

# Test Steps:

1. Open the Patient Management System login page.
2. Input the following credentials:
   * Username: vishalydvv
   * Password: pass1234
3. Click the "Login" button.

# Expected Results:

* The system should authenticate the user credentials against the database.
* Upon successful authentication, the user should be redirected to the system's dashboard.

# Actual Results:

* The system correctly validated the user credentials.
* The user was successfully redirected to the dashboard.

# Pass/Fail Criteria:

* **Pass**: The system successfully validates user credentials and grants access.
* **Fail**: The system fails to validate user credentials accurately, or the authentication process encounters errors.

**Test Verdict**: Pass

# Defects:

* None

# Test Execution Date:

25-09-2023

# Tested By:

Vishal J Yadav

# Test Case Title: Validate Patient Data Saving Function Test Case ID: LMS-WBT-002

**Test Objective:** To ensure that patient data is correctly saved to the database.

**Test Environment:**

* + Operating System: Windows 10
  + Browser: Google Chrome Version 99.0.4844.60

**Test Perspective:** White Box Testing

# Test Input:

* Preconditions:
  + The user is logged into the System.

# Test Steps:

1. Input sample patient data.
2. Execute the function to save the patient data.
3. Retrieve the saved data from the database.
4. Verify if the retrieved data matches the input.

# Expected Results:

* The system should display the correct data as entered by the user on the first place.

# Actual Results:

* The system correctly shows the user’s details.

# Pass/Fail Criteria:

* Pass: The Data stored in Database and shown on application is consistent.
* Fail: The Data stored by user and stored in database mismatches.

**Test Verdict:** Pass

**Defects:** None

# Test Execution Date:

29-09-2023

# Tested By:

Mohit Tiwari

# Test Case Title: Check Appointment Scheduling Logic

# Test Case ID: LMS-WBT-003

**Test Objective:** To verify the logic for appointment scheduling.

**Test Environment:**

* Operating System: Windows 10
* Browser: Google Chrome Version 99.0.4844.60

**Test Perspective:** White Box Testing

# Test Input:

* + Preconditions:
    - The user has successfully logged in to the System.

# Test Steps:

# Input sample appointment parameters.

# Execute the appointment scheduling function.

# Retrieve the scheduled appointment.

# Check if the appointment is scheduled correctly based on the input.

# Expected Results:

* + The system should display the appointment details along based on availability of doctors.

# Actual Results:

* + The system successfully books the appointment and shows up.

# Pass/Fail Criteria:

* + Pass: The system accurately registers a new appointment.
  + Fail: The system is inconsistent in scheduling appointments.

**Test Verdict:** Pass

**Defects:** None

# Test Execution Date:

30-09-2023

# Tested By:

Vishal V. Yadav

# Test Case Title: Check Error Handling and Recovery

# Test Case ID: LMS-WBT-003

**Test Objective:** To validate the system's behavior during errors and its ability to recover gracefully.

**Test Environment:**

* Operating System: Windows 10
* Browser: Google Chrome Version 99.0.4844.60

**Test Perspective:** White Box Testing

# Test Input:

* + Preconditions:
    - The user has successfully logged in to the System.

# Test Steps:

# Introduce simulated errors (e.g., incorrect input, server failure).

# Observe the system's response and error messages.

# Verify that the system provides meaningful error messages and recovers appropriately.

# Expected Results:

* + The system should display appropriate messages in case of any system errors.

# Actual Results:

* + The system successfully shows the messages in case of errors.

# Pass/Fail Criteria:

* + Pass: The system prompt message and handle errors instead of crashing.
  + Fail: The system crashes in case of failure.

**Test Verdict:** Pass

**Defects:** None

# Test Execution Date:

04-10-2023

# Tested By:

Priyan Vishwakarma