**Luyanda Mandisa Gcabashe: Junior Test Analyst Assessment**

**Question 1: List of Scenarios for the Login Screen**

* **Valid Login Scenario**

Description: Test that a user can successfully log in with valid credentials.

Expected Result: The user should be successfully logged in and redirected to

the homepage/dashboard.

* **Invalid Login Scenario**

Description: Test the system's response to invalid login credentials.

Expected Result: The system should display an error message indicating

invalid login credentials and should not grant access.

* **Empty Fields Scenario**

Description: Test the behaviour when the username and/or password fields are left empty.

Expected Result: The system should display appropriate error messages

indicating that both fields are required.

* **Password Visibility Toggle**

Description: Test the functionality of a password visibility toggle, if available.

Expected Result: The password should switch between hidden (masked)

and visible (plain text).

* **Forgot Password Link**

Description: Test the "Forgot your password?" link functionality.

Expected Result: The system should redirect the user to a password

recovery page or prompt the user to enter their email for password recovery.

**Question 2: Test Case for Valid Login Scenario**

Test Case ID: TC001

Test Case Name: Valid Login Scenario

Description: Verify that a user can successfully log in with valid credentials.

Preconditions:

The application is up and running.

The user has valid credentials (username: "Admin", password: "admin123").

Test Steps:

Navigate to Login Page: Open the web browser and enter the URL of the application.

Enter Valid Username: Enter "Admin" in the username field.

Enter Valid Password: Enter "admin123" in the password field.

Click Login Button: Click the "Login" button.

Expected Results:

The user should be successfully logged in and redirected to the homepage/dashboard. No

error messages should be displayed.

Postconditions:

User is logged in and has access to the application.

Attachments:

Screenshot of the login screen.

Screenshot of the homepage/dashboard after successful login.

Execution Details:

Tester Name: [Name of the tester executing the test]

Execution Date: [Date of execution]

Actual Results: [Detailed results of the test execution]

Status: [Pass/Fail]

Comments: [Any additional comments or observations]

**Question 3: Documenting a Bug for the Login Issue**

Bug ID: BUG001

Title: "An error occurred" when clicking login after providing the correct username and password

Reported By: [Your Name]

Date: [Date of reporting]

Environment:

Operating System: [e.g., Windows 10, macOS 11.2]

Browser: [e.g., Google Chrome v91.0, Firefox v89.0]

Application Version: OrangeHRM OS 5.6.1

Device: [e.g., PC, Mac]

Severity: High

Priority: High

Description:

When attempting to log in with the correct username and password, the system displays an error message "An error

occurred" and fails to log the user in. This issue prevents users from accessing the application even with valid

credentials.

Steps to Reproduce:

Open the web browser.

Navigate to the login page of the application.

Enter the correct username ("Admin") in the username field.

Enter the correct password ("admin123") in the password field.

Click the "Login" button.

Observe the error message displayed.

Expected Result:

The user should be successfully logged in and redirected to the homepage/dashboard.

No error messages should be displayed.

Actual Result:

An error message "An error occurred" is displayed.

The user is not logged in and remains on the login page.

Attachments:

Screenshot: [Attach a screenshot of the error message displayed]

Log Files: [Attach relevant log files if available]

Video Recording: [Attach a video recording of the steps to reproduce the issue if possible]

Notes:

The issue occurs consistently across multiple browsers.

Tried clearing cache and cookies, but the issue persists.

Other users have also reported experiencing the same issue.

Additional Information:

[Any additional information that might be relevant]

Assigned To: [Developer's name or team responsible for the fix]

Status: Open

**Question 4: Technique for Testing Without Focusing on Internal Workings**

Answer: Black-box testing.

**Question 5: Technique for Testing Focusing on Internal Workings**

Answer: White-box testing.

**Question 6: Boundary Value Analysis for Numeric Text Field**

Answer: The inputs derived using Boundary Value Analysis (BVA) would be:

Just below the minimum boundary value: -1

Minimum boundary value: 0

Just above the minimum boundary value: 1

Just below the maximum boundary value: 99

Maximum boundary value: 100

Just above the maximum boundary value: 101

So, the inputs would be: -1, 0, 1, 99, 100, 101.

**Question 7: Testing Technique for Thinking Outside the Box**

Answer: Exploratory testing.

**Question 8: Reviewing Documents Without Executing Code**

Answer: Static testing.

**Question 9: Testing Involving Executing the Code**

Answer: Dynamic testing.

**Question 10: Different Test Levels (List 1)**

Answer: Unit testing.

**Question 11: Initial Round of Testing After Build Deployment**

Answer: Smoke testing.

**Question 12: Testing for Speed, Responsiveness, Stability, and Scalability**

Answer:

Performance testing.

**Question 13: Testing for Repeated, Stable, Time-Consuming Tests**

Answer: Automated testing.