**8 test cases for the login functionality -**

| **TEST\_CASE ID** | **TEST STEPS** | **EXPECTED RESULT** | **ACTUAL RESULT** | **STATUS** |
| --- | --- | --- | --- | --- |
| TC\_LOGIN\_001 | Enter valid username and valid password, click "Login". | User should be successfully logged in and redirected to the dashboard. | User logged in and redirected to dashboard. | **Pass** |
| TC\_LOGIN\_002 | Enter invalid username and valid password, click "Login". | An error message should be displayed indicating invalid credentials. | Error message displayed: "Invalid credentials" | Pass |
| TC\_LOGIN\_003 | Enter valid username and invalid password, click "Login". | An error message should be displayed showing as invalid credentials. | Error message displayed: "Invalid credentials" | Pass |
| TC\_LOGIN\_004 | Enter invalid username and invalid password, click "Login". | An error message should be displayed indicating invalid credentials. | Error message displayed: "Invalid credentials" | Pass |
| TC\_LOGIN\_005 | Leave the username field blank, enter a valid password, click "Login". | A required message should be displayed. | ‘Required’ message is displayed | Pass |
| TC\_LOGIN\_006 | Enter a valid username, leave the password field blank, click "Login". | A required message should be displayed. | ‘Required’ message is displayed | Pass |
|  |  |  |  |  |

| TC\_LOGIN\_007 | Leave both username and password fields blank, click "Login". | ‘Required’ message should be displayed on both the fields. | ‘Required’ message is displayed on both the fields. | Pass |
| --- | --- | --- | --- | --- |
| TC\_LOGIN\_008 | Enter a username and password that exceed the maximum allowed character limit (if any), click "Login". | Should show “invalid credentials | Error message displayed: "Invalid Credentials" | Pass |

**LOGIN PAGE CODE : (PAGE OBJECT MODEL)**

class LoginPage:

def \_\_init\_\_(self, driver):

self.driver = driver self.username\_input = (By.NAME, "username")

self.password\_input = (By.NAME, "password")

self.login\_button = (By.XPATH, "//button[@type='submit']")

def enter\_username(self, username): WebDriverWait(self.driver,10).until(EC.presence\_of\_element\_located(self.username\_input)).send\_keys(username)

def enter\_password(self, password):

WebDriverWait(self.driver, 10).until(EC.presence\_of\_element\_located(self.password\_input)).send\_keys(password)

def click\_login(self):

WebDriverWait(self.driver, 10).until(EC.element\_to\_be\_clickable(self.login\_button)).click()

def login(self, username, password):

self.enter\_username(username)

self.enter\_password(password)

self.click\_login()

**USING LOCATORS:**

driver = webdriver.Chrome()

driver.maximize\_window()

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login")

wait = WebDriverWait(driver, 15)

wait.until(EC.visibility\_of\_element\_located((By.NAME, "username"))).send\_keys("Admin")

driver.find\_element(By.NAME, "password").send\_keys("admin123")

driver.find\_element(By.CSS\_SELECTOR, "button[type='submit']").click()

**Potential Bugs -**

1. **Generic error message -**  ("Invalid credentials") message may not be helpful in distinguishing between wrong username or password.
2. **Indication of Password requirements -** The password requirements should be indicated to create a strong password. Eg- Character should be of 10 letters, should include numbers and special symbols.

**MANUAL TESTING :**

**Test Case:** Verify successful login with valid credentials.

**Pre-conditions:**

1. A web browser is open and is navigated to the login page.
2. Valid username and password should be entered.

**Test Steps:**

1. Locate the username input field.
2. Enter the valid username into the username input field.
3. Locate the password input field.
4. Enter the valid password into the password input field.
5. Locate the "Login" button.
6. Click the "Login" button.

**Expected Result:**

The user should be successfully logged in and redirected to the application's dashboard.

### **Test Scenario :**

**Title:**  Manage newly added employees (View, Update, Delete)

**TC1 - (View)**

**Test Steps:**

1. Log in as Admin
2. Navigate to **PIM > Employee List**
3. Search for the newly added employee by name or ID
4. Click on the employee record to view details

**Expected Result** - Employee profile page should be opened displaying correct details   
**Actual Result** - Employee profile is opened

**Status** - Pass

**TC2 – Update Employee Details**

**Test Steps:**

1.Log in as Admin  
2.Navigate to PIM > Employee List

3.Search and open the employee profile

4.Make the changes

1. Click Save  
    **Expected Result** - Changes should be saved and reflected.  
    **Actual Result** - Changes saved  
    **Status** - Pass

**TC3 – Delete Employee Record**

**Test Steps:**

1. Log in as Admin
2. Go to PIM > Employee List
3. Search and select the checkbox of the employee
4. Click Delete (Trash bin icon)
5. Confirm deletion

**Expected Result** - Employee details should be removed.

**Actual Result** - Employee details deleted  
 **Status** - Pass