# Manual Test Cases for Orange HRM - Login and Employee Management

## 1. Login Functionality - Test Cases

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| --- | --- | --- | --- | --- |
| Test Case ID | Test Steps | Expected Result | Actual Result | Status |
| TC\_Login\_01 | Navigate to login page | Login page loads with username/password fields | As expected | Pass |
| TC\_Login\_02 | Enter valid credentials (Admin/admin123) and click login | Dashboard page is displayed |  |  |
| TC\_Login\_03 | Leave username blank, enter password, click login | Error message: Required |  |  |
| TC\_Login\_04 | Enter username, leave password blank, click login | Error message: Required |  |  |
| TC\_Login\_05 | Enter invalid username and password, click login | Error: Invalid credentials |  |  |
| TC\_Login\_06 | Enter special characters in username field | Should sanitize input or show error |  |  |
| TC\_Login\_07 | Refresh login page after entering credentials | Inputs cleared, page refreshed |  |  |
| TC\_Login\_08 | Try login after several failed attempts | Lockout or captcha (if implemented) |  |  |

## 2. Employee Management Test Scenarios (View, Update, Delete)

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| --- | --- | --- | --- | --- |
| Test Case ID | Test Steps | Expected Result | Actual Result | Status |
| TC\_Emp\_01 | Login as Admin and go to PIM > Add Employee | Add Employee form is shown |  |  |
| TC\_Emp\_02 | Add new employee with valid data | Employee is added and visible in Employee List |  |  |
| TC\_Emp\_03 | Navigate to Employee List and search for employee | Employee details appear correctly |  |  |
| TC\_Emp\_04 | Edit employee details and save | Updated info should reflect |  |  |
| TC\_Emp\_05 | Delete employee record | Employee is removed from list |  |  |
| TC\_Emp\_06 | Attempt to add employee with blank fields | Error messages for required fields |  |  |
| TC\_Emp\_07 | Search for deleted employee | Employee should not appear in list |  |  |
| TC\_Emp\_08 | Try updating employee with invalid data | Validation messages shown |  |  |

## 3. Bugs / Usability Issues Identified

1. No input validation for special characters in login fields  
    - Entering `admin<script>` doesn't sanitize input.
2. No feedback when submitting login with blank fields (poor UX)  
    - Required message is small and not accessible for screen readers.
3. After multiple failed logins, no lockout or CAPTCHA prompt  
    - Security loophole: Brute force attempts not mitigated.

## Bonus - Sample Login Selenium Script (Python)

from selenium import webdriver  
from selenium.webdriver.common.by import By  
import time  
  
driver = webdriver.Chrome()  
driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login")  
time.sleep(2)  
  
driver.find\_element(By.NAME, "username").send\_keys("Admin")  
driver.find\_element(By.NAME, "password").send\_keys("admin123")  
driver.find\_element(By.XPATH, "//button[@type='submit']").click()  
  
assert "dashboard" in driver.current\_url.lower()  
print("Login Test Passed")  
  
driver.quit()