TEST PLAN

**OrangeHRM Login Functionality**

**1. Test Plan ID**

TP-001

**2. Test Plan Name**

Login Functionality Test Plan for OrangeHRM Demo Site

**3. Objective**

To verify that valid users are able to log in to the OrangeHRM demo site successfully and are redirected to the Dashboard page, ensuring the login flow works as expected.

**4. Scope**

* ✅ **In-Scope:**
  + Testing login with valid credentials
  + URL redirection after login
  + Dashboard visibility confirmation
* ❌ **Out-of-Scope:**
  + Forgot password functionality
  + Account lockout on multiple failed logins
  + Role-based login (e.g., non-admin users)

**5. Test Items**

* OrangeHRM Demo Login Page
* Dashboard Page after successful login
* LoginPage class in Page Object Model

**6. Features to Be Tested**

|  |  |
| --- | --- |
| **Feature** | **Description** |
| Login Page | Accepts valid credentials |
| Login Form | Submits and validates credentials |
| Dashboard Redirection | User is redirected to /dashboard URL |
| Dashboard Header | Confirms successful login with visible "Dashboard" text |

**7. Test Approach**

* Use **Playwright** as the test automation framework
* Use **Page Object Model (POM)** to encapsulate login page actions
* Run test via Playwright test runner
* Assert URL and header content after login

**8. Test Deliverables**

* Automated test script: /tests/login.spec.js
* Page Object: ../pages/LoginPage.js
* Test Report: Console output or HTML report via Playwright
* Test Case Table (see TC-001)
* Defect logs (if any)

**9. Test Environment**

|  |  |
| --- | --- |
| **Component** | **Details** |
| Application URL | <https://opensource-demo.orangehrmlive.com/> |
| Browser | Chromium |
| OS | Windows |
| Automation Tool | Playwright |
| Node.js Version | >= v16.x |
| Other Tools | VSCode, Git, Playwright Test Runner |

**10. Entry Criteria**

* Application is accessible
* Valid credentials are available
* Node.js and Playwright are installed
* Test script and page object are implemented

**11. Exit Criteria**

* All test cases pass
* All defects (if any) related to login are resolved or documented
* Test report is generated and reviewed

**12. Resources and Responsibilities**

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| --- | --- |
| **Role** | **Responsibility** |
| QA Engineer | Write, run, and maintain automated test cases |
| Developer | Provide access to application and fix bugs |
| Test Lead | Review and approve test plan and results |

**13. Risks and Mitigations**

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| --- | --- |
| **Risk** | **Mitigation** |
| Site downtime | Test on backup schedule or offline |
| Credentials change | Use config or env variables for dynamic input |
| Locator changes | Keep page object up to date |

**14. Schedule**

|  |  |
| --- | --- |
| **Task** | **Date** |
| Script Writing | 2025-10-08 |
| Test Execution | 2025-10-08 |
| Report Review | 2025-10-8 |

TEST CASE TABLE

|  |  |
| --- | --- |
| **Test Case ID** | **TC-001** |
| **Test Case Name** | Login to OrangeHRM demo site |
| **Description** | Verifies that a user can successfully log in to the OrangeHRM demo site with valid credentials and is redirected to the dashboard. |
| **Preconditions** | - OrangeHRM demo site is up and running- Valid credentials (Admin, admin123) are known |
| **Test Steps** | 1. Navigate to the OrangeHRM login page2. Enter username Admin3. Enter password admin1234. Click the Login button |
| **Test Data** | **Username:** Admin **Password:** admin123 |
| **Expected Result** | - User is redirected to a URL containing /dashboard- A heading on the page contains the text Dashboard |
| **Actual Result** | - User is redirected to a URL containing /dashboard- A heading on the page contains the text Dashboard |
| **Status** | *Pass* |