Test Plan – OrangeHRM Login Functionality

**Project Name:** OrangeHRM – Demo Site  
**Test Object:** <https://opensourcedemo.orangehrmlive.com/web/index.php/auth/login>  
**Module:** Login Functionality  
**Test Type:** Functional, UI, Negative, Cross-browser

**Date**: 15th July, 2025  
**Prepared By:** QA Team

**Document Control**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description** |
| 1.0 | 2025-07-15 | QA Team | Initial Test Plan Draft |
| 1.1 | 2025-07-16 | QA Lead | Reviewed and finalized |

Table of Contents

[1. Test Plan Overview 3](#_Toc203653271)

[2. Test Items 3](#_Toc203653272)

[3. Scope 3](#_Toc203653273)

[3.1 In Scope: 3](#_Toc203653274)

[3.2 Out of Scope 3](#_Toc203653275)

[4. Test Approach 3](#_Toc203653276)

[5. Entry and Exit Criteria 4](#_Toc203653277)

[5.1. Entry Criteria 4](#_Toc203653278)

[5.2. Exit Criteria 4](#_Toc203653279)

[6. Pass/Fail Criteria 4](#_Toc203653280)

[7. Suspension Criteria and Resumption Requirements 4](#_Toc203653281)

[8. Test Deliverables 4](#_Toc203653282)

[9. Testing Tasks 5](#_Toc203653283)

[10. Environmental Needs 5](#_Toc203653284)

[11. Responsibilities 5](#_Toc203653285)

[12. Schedule 5](#_Toc203653286)

[13. Risks and Contingencies 6](#_Toc203653287)

[14. Test Metrics 6](#_Toc203653288)

[References: 7](#_Toc203653289)

# 1. Test Plan Overview

This test plan outlines the strategy, scope, resources, and schedule for testing the **Login functionality** of the OrangeHRM demo web application. It aims to ensure the login page works as expected for valid and invalid inputs, offers proper error handling, and supports cross-browser compatibility.

# 2. Test Items

The following items are within the scope of this plan:

* Username and Password input fields
* Login button functionality
* Password visibility toggle
* Error messaging (invalid credentials, empty fields)
* Successful login redirection
* Browser responsiveness

# 3. Scope

## 3.1 In Scope:

* Field validations (required, length, case-sensitivity)
* UI rendering across supported browsers/devices
* Login success with valid credentials
* Login failure with incorrect or missing inputs
* Security behaviours (e.g., no script injection, password masking)
* Navigation to the dashboard after successful login

## 3.2 Out of Scope

* Forgot Password functionality
* Role-based access or permissions
* Post-login modules (Dashboard, PIM, Leave, etc.)
* Backend/database validation
* Authentication APIs
* Security testing beyond front-end (like penetration testing)

# 4. Test Approach

This is a **Black Box testing** effort, focused entirely on UI behaviour and input/output verification, without reference to internal code. The approach includes:

* Functional testing using various input combinations
* Boundary and equivalence class testing
* Usability and visual checks
* Negative testing (invalid or malicious inputs)
* Cross-browser testing on Chrome, Firefox, Safari, Edge
* Manual testing only (no automation tools used in this phase)

# 5. Entry and Exit Criteria

## 5.1. Entry Criteria

* The login page is accessible in all target browsers.
* Test cases have been reviewed and approved.
* Test environment is stable, and credentials are available (Admin/admin123).
* All required tools (browsers, devices, defect tracker) are set up and accessible.

## 5.2. Exit Criteria

* 100% of planned test cases executed
* All critical or high-priority defects are closed or accepted.
* No blocker or showstopper bugs remaining
* Test summary report submitted and reviewed
* Regression re-tests passed

# 6. Pass/Fail Criteria

A test case is considered **Pass** if:

* Actual result matches expected outcome
* No unexpected crashes, errors, or broken elements occur
* All UI components render properly

A test case is **Fail** if:

* Functional or visual deviation from expected outcome
* Broken redirection or incorrect error messages
* Console or network errors appear

# 7. Suspension Criteria and Resumption Requirements

**Suspend testing** if:

* The login page becomes inaccessible (e.g., server downtime)
* A major bug blocks further login testing (e.g., login always fails)
* Demo credentials become invalid

**Resume testing** once:

* The environment is restored, or a working build is provided
* Blocker defects are resolved and verified
* Valid test credentials are provided

# 8. Test Deliverables

* Login Test Plan (this document)
* Login Test Cases (Excel or Google Sheets)
* Bug Reports (via JIRA or similar)
* Test Evidence (screenshots, notes)
* Final Test Summary Report (Pass/Fail stats, Defects)

# 9. Testing Tasks

|  |  |
| --- | --- |
| **Tasks** | **Owner** |
| Review Login requirements | QA Analyst |
| Design test cases | QA Engineer |
| Execute tests on supported browsers | QA Team |
| Report defects | QA Engineer |
| Summarize results | QA Lead |

# 10. Environmental Needs

|  |  |
| --- | --- |
| **Component** | **Description** |
| Test URL | https://opensource-demo.orangehrmlive.com/web/index.php/auth/login |
| Devices | Desktop, Mobile |
| Browsers | Chrome, Firefox, Edge, Safari |
| Internet | Stable Wi-Fi or mobile data |
| Access | Demo credentials: Admin/ admin123 |

# 11. Responsibilities

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| QA Engineer | Design and execute test cases |
| QA Lead | Oversee plan execution and sign-off |
| Test Manager | Review and approve test plan |
| Stakeholders | Receive results and provide feedback |

# 12. Schedule

|  |  |  |
| --- | --- | --- |
| **Phase** | Start Date | End Date |
| Test Planning | Day 1 | Day 1 |
| Test Case Design | Day 2 | Day 2 |
| Test Execution | Day 3 | Day 3 |
| Bug Fix and Retest | Day 4 | Day 4 |
| Final Report | Day 5 | Day 5 |

# 13. Risks and Contingencies

|  |  |
| --- | --- |
| **Risk** | **Mitigation** |
| Site downtime | Notify stakeholder, retest later |
| Demo credentials changed | Request updated test data |
| No backend validation | Focus only on UI/UX behaviour |
| Limited time | Prioritize high- impact scenarios first |

# 14. Test Metrics

|  |  |
| --- | --- |
| **Metric** | **Target** |
| Test Case Coverage | 100% |
| Defect Detection Rate | >= 80% |
| Pass Rate | >= 95% |

# References:

[How to create a test plan (Steps, Examples, & Templates)](https://www.testrail.com/blog/create-a-test-plan/)

[Guide To Test Approach: Different Types with Examples](https://www.lambdatest.com/learning-hub/test-approach)