

# 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:** 15<sup>th</sup> 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
2. Test Items .....	3
3. Scope.....	3
3.1 In Scope: .....	3
3.2 Out of Scope .....	3
4. Test Approach .....	3
5. Entry and Exit Criteria .....	4
5.1. Entry Criteria .....	4
5.2. Exit Criteria.....	4
6. Pass/Fail Criteria.....	4
7. Suspension Criteria and Resumption Requirements.....	4
8. Test Deliverables.....	4
9. Testing Tasks.....	5
10. Environmental Needs.....	5
11. Responsibilities .....	5
12. Schedule.....	5
13. Risks and Contingencies .....	6
14. Test Metrics.....	6
References:.....	7

# 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)
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## 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	<a href="https://opensource-demo.orangehrmlive.com/web/index.php/auth/login">https://opensource-demo.orangehrmlive.com/web/index.php/auth/login</a>
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	$\geq 80\%$
Pass Rate	$\geq 95\%$

## References:

[How to create a test plan \(Steps, Examples, & Templates\)](#)

[Guide To Test Approach: Different Types with Examples](#)