

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

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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

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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 \(Steps, Examples, & Templates\)](#)

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