# Test Plan – OrangeHRM Demo Application

## 1. Document Control

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## 2. Introduction

This document explains how we will test the OrangeHRM Demo Application. We will check that it works well, is easy to use, and stays stable. We will test the Login, Admin → User Management → Users, and PIM → Employee List modules using both manual and automated testing. Automation will be done using Playwright (JavaScript) with POM.

Application URL: https://opensource-demo.orangehrmlive.com/

Test Credentials:  
Username: Admin  
Password: admin123

## 3. Objectives

- Check the main features of the selected modules.  
- Find and log functional/UI problems.  
- Test both positive and negative cases.  
- Automate important test cases for reuse.

## 4. Scope

In-Scope:

- Testing of Login, Admin → User Management → Users, and PIM → Employee List.  
- Cross-browser testing on Chrome, Firefox, and Edge.  
- Exploratory testing for usability and hidden bugs.  
- Automation for Login and Add User scenarios.

Out-of-Scope:

- Performance, Load, and Stress Testing.  
- Security Testing.  
- Mobile Testing.  
- Third-party system integration.

## 5. Testing Types

We will perform:  
- Functional Testing  
- UI Testing  
- Positive and Negative Testing  
- Regression Testing  
- Cross-Browser Testing  
- Automation Testing with Playwright

## 6. Test Approach

We will run manual tests for UI and functional checks, and use automation for repetitive high-priority cases. We will link test cases to requirements and log bugs with steps, screenshots, and severity. Exploratory tests will be limited to 30-minute sessions.

## 7. Test Environment

|  |  |
| --- | --- |
| Component | Details |
| Application URL | https://opensource-demo.orangehrmlive.com/ |
| Browsers | Chrome, Firefox, Edge (latest) |
| OS | Windows 11 |
| Automation Tool | Playwright (JavaScript) |
| Test Management | Excel |
| Bug Tracking | Manual Report |

## 8. Test Data

Login:  
- Valid: Admin / admin123  
- Invalid: wrong username/password combinations.  
  
Admin – Add User:  
- Usernames: test.user1, test.user2  
- Roles: Admin, ESS  
- Status: Enabled, Disabled  
  
PIM – Employee List:  
- Search by ID, Name  
- Filter by employment status

## 9. Test Deliverables

- Test Plan  
- Test Cases  
- Exploratory Testing Report  
- Bug Report  
- Automation Scripts  
- Test Summary Report

## 10. Entry Criteria

- Application is working.  
- Test environment ready.  
- Test data prepared.  
- Credentials available.

## 11. Exit Criteria

- All planned test cases done.  
- No high or critical bugs open.  
- Automation scripts passed.  
- Test summary shared.

## 12. Risks & Mitigation

|  |  |  |
| --- | --- | --- |
| Risk | Impact | Mitigation |
| Demo site resets data | Loss of test data | Keep local records, re-create if needed |
| Limited environment control | Bugs may not repeat | Take screenshots/video of issues |
| Internet downtime | Delays in testing | Work offline on docs during downtime |

## 13. Assumptions

- OrangeHRM demo remains public.  
- Test data won’t persist.  
- No live data affected.  
- Browsers updated regularly.