OrangeHRM-Test Plan

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Introduction :

Overview

OrangeHRM is an open source Human Resource Management system used by organizations worldwide.
https://opensource-demo.orangehrmlive.com/

Objective :

This document created to describe the comprehensive testing approach : scope,resources,shedule,test strategy,test environment ,shedule and deliverables for testingthe PIM (Personnel Information Module) module of OrangeHRM system and to ensure all PIM features work correctly and meet business requirements.

Reference Document :

Software requirement specification (FRS)

Scope

The scope of the project include test functionality for PIM section with the following

features :

inclusion

1. Personal detailes
2. Profile picture
3. Conact information
4. Emergency contacts

5. Dependents
6. Immigration
7. Job
8. Salary
9. Report to
10. Qualifications
11. Memberships

Exclusion

1. All features except that are mentioned under inclusion
2. Performance testing
3. Security testing
4. API testing
5. Test automation
6. Third party integration

Test Environments

Operating System: Windows 10/11
Browsers:
Google Chrome - Primary browser
Microsoft Edge -Secondary browser

Tools Required:

The following tools will be used for testing :

Tool	Purpose

Chrom /Edge	Test Environment
Text editor	Record notes ,write reports
Snipping tools	Take screenshots
Excel	Write test cases ,test scenario,bug eport
Defect tracker (jira)	Log and track defects

Test strategy

After understood the Orange Hrm we need to perform many types of testing to ensure that all module expect requirements

Testing types

Testing type	Description	Priority
Functional testing	Verify all features meet requirements	Hight
Compatibility testing	Test website on different browsers	Low
Validation testing	Test all inputs fields and error messages	Hight
Regression testing	Re test to ensure all bugs are fixed	Hight
Usability testing	To ensure user friendly interface and smoth workflow	Medium

Testing approach

1) Apply blackbox testing to test module without depending on internal code structre ,the testing will focus on inputs,outputs and user workflos based on requirements
2) Manul testing :all testing will perform manually by QA tester without any automation tools

Testing design techniques

1. Equivalence partitioning : divide inputs into valid and invalid
2. Boundary value analysis :test boundaries
3. Positive testing :happy path test with valid data
4. Negative testing :test with invalid data (error scenarios)

Assumptions & Dependencies

Assumptions

1. OrangeHRM Demo environment available 24/7
2. Valid credentals
3. Final approved ERS document that reflect current functionality
4. Regression testing will be excute after each new changes
5. Unit testing will be completed by developers before system test start
6. Admin credentials will remain valid throughout testing period
7. No major changes in requirements occure during testing phase
8. Demo data can be modified without affecting other users

Dependencies

1. Working with computer supporting windows OS and differents browsers
2. Development support :developers must be available to clarify bugs and fixing it
3. Stable internet connection (minimum 2 Mbps speed)
4. Availability of OrangeHRM User Guide and documentation
5. Microsoft excel or equivelent tool for test case management
6. Screenshot capture tool availability

a. Defect tracking system :access to bug tracking tools must be available

Roles and Responsibilities

Role	Name	Responsibility
QA Leader	Layal	i. Overall test planning and strategy ii. Review and approve test plan iii. Monitor test progress iv. Communicate with stakeholders v. Make go/no-go decisions
QA Engineer	Layal	i. Write test scenarios and test cases ii. Prepare test data iii. Execute test cases iv. Log and track defects v. Prepare test reports vi. Perform retesting and regression testing
Stakeholder		i. Final approval of test plan ii. Review test summary report iii. Sign-off on testing completion

Test schedule

Task	Time duratio
Understand SRS & Write test plan	21 October to 23 October , 2025
Write test scenario	23 October to 24 October , 2025
Create test cases	25 October to 27 October , 2025
Excute test cases	28 October to 30 October , 2025
Summary report submission	31 October , 2025

Test deliverables

Document Name	**Description**
Test plan	Comprehensive document detailing on scope ,strategy,deliverables,shedule ,resources ,requirements,risks, and approach for PIM module testing
Test Scenarios	High-level scenarios covering all PIM features to be tested
test cases report	Detailed Test cases created for the scope with step-by-step instructions
Requirements Traceability Matrix (RTM)	Mapping between requirements and test cases to ensure complete coverage
Test execution report	Daily/weekly status of test execution including pass/fail counts and progress
Bugs report	Detailed description of defects found including steps to reproduce, severity, priority, and screenshots
Summary report	Final report with overall testing results, metrics, defect summary, and recommendations

Defect Reporting procedure

1) During the test execution any deviation from expected behavior will be noted
2) After discover defect it wiil be retest to verify productivity wit screenshots
3) All defects will be logged in Excel spreadsheet
4) Each bug will include: Bug ID, Description, Steps to Reproduce,Date Raised ,Fixed Date, Severity, Priority, Screenshots and status

5) Defects will be reported to development team via email

Defect Priority Levels :

Priority Level	Description	Categorized
P0	Must resolve immediately	Hight
P1	Can wait until new version	Medium
P2	Can fix in later releases	Low
P3	Nice to fix but not important	Low

Defect Severity Levels :

Severity Level	Categorized	Description
S0	Blocker (hight)	Defect indicates nothing can proceed,Systrm crash
S1	Critical (medium)	The main functionalities is not work
S2	Major (low)	Cause undesirable behavior ,but app function still work
S3	Minor (trivial)	Won't cause any major break down

Bug Lifecycle: New → Open → In Progress → Fixed → Retest → Verified/Reopened → Closed

Entry and Exit criteria

The below are are entry and exit criteria for every phase of STLC :

1. Requirements Analysis:
   Entry Criteria:
   • SRS document received
   • Access to OrangeHRM system provided

   Exit Criteria:
   • Requirements understood and documented
   •clarifications resolved
   • List of testable requirements prepared

2. Test Planning:
   Entry Criteria:
   • Requirements analysis completed
   • Project scope defined

   Exit Criteria:
   • Test Plan document completed
   • Test Plan reviewed and approved
   • Resources and tools identified

3. Test Design:
Entry Criteria:
• Test Plan approved
• Requirements are clear
• Test environment setup initiated

Exit Criteria:
• Test scenarios documented
• Test cases written and reviewed
• Test data prepared
• RTM (Requirements Traceability Matrix) created

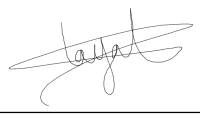
4. Test Execution:
Entry Criteria:
• Test cases reviewed and approved
• Test environment ready and accessible
• Test data available
• Valid access credentials available

Exit Criteria:
• All planned test cases executed
• Test pass rate ≥ 90%
• All defects logged and tracked
• Test execution report prepared

5. Test Closure:
Entry Criteria:
• Test execution completed
• All high priority bugs fixed and verified
• Regression testing completed

Exit Criteria:
• No open Blocker/Critical bugs
• Test Summary Report prepared
• Test metrics calculated
• Stakeholder sign-off received

Approvals

Role	Name	Signature	Date
Prepared By (Test Engineer)	layal		21/10/2025

Reviewed By (Senior Tester)	layal		24/10/2025
Approved By (Project Manager)	layal		27/10/2025
Acknowledged By (Stakeholder)			

Version History:

Version : 1.0
Date : 21-Oct-2025
Author : Layal Alhusseini
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