

Test Plan Document for Orange Human Resources Management (Orange HRM) Application:

1. Test Plan Id: OHRM_ST_TP_001

2. Introduction:

- ✓ It is system Test Plan for Human Resource Management System (OrangeHRM), internet web application, which provides access to HR managers, the Organization and Interview candidates from anywhere in the world.
- ✓ It has Multiple modules, of which some are Admin, Recruitment, PIM, Login and Home.
- ✓ The Admin module is used by the organization and HR managers to configure the system and manage user accounts present in the system.
- ✓ The Recruitment module is used by the HR managers to manage candidate applications, schedule interviews and onboard selected candidates.
- ✓ The PIM module is used by HR managers to add and manage employee account sin the organization.
- ✓ The login module allows users to login in to thew system and perform role-based authorization (RBAC) for different activities in the system.
- ✓ The Home module allows users to navigate to different pages on the system and view personal information,
- ✓ The purpose of the system (Application) is to provide HR information and services online (through internet). The users can manage the HR Department from anywhere, with complete transparency.

3. Test Items:

- ✓ Admin Module
- ✓ Recruitment Module
- ✓ PIM Module
- ✓ Login Module
- ✓ Home Module

4. References:

- ✓ Requirements
- ✓ Project Plan
- ✓ Test Strategy
- ✓ Use cases (if available)
- ✓ High level Design Documents
- ✓ Low Level Design Documents
- ✓ Process Guide line document
- ✓ Prototypes

5. Features to be tested:

a) Admin Module:

- I) Search for a User
- II) List Job Titles

b) Recruitment Module:

- I) Delete a candidate application
- II) Shortlist a candidate application

c) PIM Module:

- I) Add a new User

d) Login Module:

- I) Successful Login to System
- II) Display error for Invalid Username
- II) Display error for Invalid Password
- II) Display error for missing Username
- II) Display error for missing Password

e) Home Module:

- I) Navigation between pages

6. Features not to be tested: NA

7. Approach: Boundary Value Analysis (BVA), Equivalence Partitioning, Random Testing, Regression Testing,

8. Entry Criteria:

a) Test Design:

- Team formation, Responsibilities, schedule, requirements, test case template
- Training on domain, on automation tools

b) Test Execution

Readiness of test tab

Readiness of AUT

Requirements

Test case Documents

Test data

Defect Report Template

Etc.

9. Exit Criteria:

All possible test cases executed

Maximum defect fixed; final regression performed successfully

Confidence on test process

Time limitations

Budget limitations

10. Suspension criteria: Nil**11. Roles and Responsibilities:**

S.NO	NAME	ROLE	RESPONSIBILITIES	REMARKS
1	V M Shahbaaz Khan	Test Lead	Test planning, guidance, Monitoring and test control	
2	V M Shahbaaz Khan	Sr. Tester	Test data collection, Generating test scenarios	
3	V M Shahbaaz Khan	Tester	Test case documentation, test execution, defect reporting and tracking for admin module	
4	V M Shahbaaz Khan	Tester	Test case documentation, test execution, defect reporting and tracking for Personal banking module	
5	V M Shahbaaz Khan	Tester	Test case documentation, test execution, defect reporting and tracking for corporate banking module	

12. Schedule:

SNO	TASK	DAYS	DURATION	REMARKS
1	Understanding and Analyzing requirements	5	6 th Jan	
2	Review meeting	1	7 th Jan	
3	Generating Test scenarios	10	8 th Jan	
4	Reviews	02	9 th Jan	
5	Test case Documentation	40	10 th Jan	
6	Reviews	04	11 th Jan	
7	Test data collection	6	12 th Jan	
8	Reviews	1	13 th Jan	
9	Verifying Test Environment Setup	1	14 th Jan	

10	Create Test Batches	02	15 th Jan	
11	Sanity Testing	1	16 th Jan	
12	Comprehensive testing	25	17 th Jan	
13	Sanity Testing	1	18 th Jan	
14	Selecting Test Cases	2	19 th Jan	
15	Regressing Testing	05	20 th Jan	
16	Sanity Testing	1	21 th Jan	
17	Selecting Test Cases	1	22 th Jan	
18	Regression Testing cycle -2	4	23 th Jan	
19	.			
.	.			
.	.			
28	Final Regression	8	24 th Jan	
29	Evaluating Exit Criteria	1 or 2	25 th Jan	
30	Collecting all artifacts	2	26 th ,27 th Jan	
31	Test Summary Report	1	28 th Jan	

Note: Regression Testing depends on Application and strength of Development team.

13. Training:

Training program on OrangeHRM Using Katalon Studio (Dec 5th to Jan 5th)

- Learn Basic of Testing, STLC, Functional and non-functional Testing methods
- Learn the levels of testing
- Learn Smoke, Sanity, User Acceptance testing.
- Learn Uniform and non-uniform testing methods, black-box and white-box testing methods.
- Learn specialized testing methods like UI Testing, UX testing, Retesting, Regression Testing, etc.
- Learn basics of test case development and develop test cases for an AUT.
- Learn basics of katalon studio
- Learn to record and play test cases using katalon
- Learn to write scripts in manual and script mode.
- Learn to use Data driven Testing
- Learn how to interact and test different types of web elements using katalon WebUI keywords.
- Learn how Test Listeners work and use them with test suites.
- Learn to create checkpoints.
- Learn to Integrate Katalon studio with GitHub for CI/CD.

- Learn to use KRE for command line execution of katalon test cases.
- Learn to integrate katalon with Jenkins to automate test case execution.

14. Risks and Mitigations: Nil

15. Test Environment/ Lab:

Application Type: Web Application, Internet and public

Server Side:

- Windows 2003 server
 - UNIX server
 - MS Exchange server a) webserver b) EDP c) Data storage
 - Bugzilla tool
 - MS Office
 - Katalon Studio etc.
 - Google Chrome: Version 121.0.6167.161 or higher
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Client side:

- Windows 10
- MS-Office
- Katalon Studio
- CPU: Minimum: 2 GHz or faster and 64-bit (x64) processor
- Memory: Minimum: 2 GB available RAM (32-bit) or 4 GB available RAM (64-bit)
Recommended: 4 GB available RAM (32-bit) or 8 GB available RAM (64-bit)
- Hard Drive: At least 1 GB available hard disk space. Extra disk space is required depending on project source codes and generated execution reports.
- Google Chrome: Version 121.0.6167.161 or higher

AUT Environment:

- .NET (c#, VC++, ADO)
- IIS- web server
- COM+ - APP server
- SQL server 2005 for database server

16. Test Deliverables:

- Test Plan
- Review reports
- RTM
- Test Scenario docs
- Test Case Docs
- Test data
- Opened, closed defect report
- Test summary report

17. Approvals:

SNO	TASK/S	AUTHOR/ RULE	DATE & SIGNATURE
1	Test plan documentation	Kareemulla (Test Lead)	
2	Review	Hari Prasad (Quality analyst)	
3	Approval	Vinod Rao (Project Manager)	

18. Glossary

AUT- Application Under Test

PIN- Project initiation note

SRS- Software Requirement Specification