<u>Test Plan Document for Orange Human Resources Management (Orange HRM) Application:</u>

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	Manojeet	Test Lead	Test planning, guidance, Monitoring and test control	
2	Manojeet	Sr. Tester	Test data collection, Generating test scenarios	
3	Manojeet	Tester	Test case documentation, test execution, defect reporting and tracking for admin module	
4	Manojeet	Tester	Test case documentation, test execution, defect reporting and tracking for Personal banking module	
5	Manojeet	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	6th Jan	
2	Review meeting	1	7th Jan	
3	Generating Test scenarios	10	8th Jan	
4	Reviews	02	9th Jan	
5	Test case Documentation	40	10th Jan	
6	Reviews	04	11th Jan	
7	Test data collection	6	12th Jan	
8	Reviews	1	13th Jan	
9	Verifying Test Environment Setup	1	14th Jan	

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

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