



PLAN

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• **Test Plan Identifier** :

Test Plan V 1.1 – Orange HRM

- **Introduction :**

This document contains the detail plan for the testing process of Orange HRM application. It describes the testing strategy and approach that will be used to validate the quality of this product prior to release. It also contains various resources required for the successful completion of this project.

- **References :**

- ✓ Project Plan
- ✓ Requirements specifications

- **Test Scope :**

- ✓ Requirements Testing
- ✓ Functional Testing

- **Software Risk Issues :**

- ✓ Network performance degradation may impact on performance of application
- ✓ Database security and access must be defined and verified.

- **Features to be Tested :**

- ✓ Adding and editing Admin users
- ✓ Adding and editing ESS users
- ✓ Managing PIM module
- ✓ Leave Management (Leave Module)
- ✓ Timesheets Management (Time Module)

- **Features not to be Tested:**

- ✓ Benefits Module
- ✓ Recruitments Module
- ✓ Reports Module

- **Features to be Automated:**

Regression testing of all modules will be done using Selenium

- **Test Deliverables** :

- ✓ Test Plan Document Location:

- ✓ [Share\Softwares\ OrangeHRM Doc\ Test Plan Orange HRM doc](#)

- ✓ Test Scripts Document Location:

- ✓ Test Cases Document Location:

- [Share\Softwares\ OrangeHRM Doc\ SRS Orange HRM doc](#)

- **Approach** :

- ✓ **Testing Approach** : Black Box

- ✓ **Testing Levels** :

- The testing for this project will consist of Unit, System/Integration (combined) and Acceptance test levels.

UNIT Testing will be done by the developer and will be approved by the development team leader. Proof of unit testing (test case list, sample output, data printouts, defect information) must be provided by the programmer to the team leader before unit testing will be accepted and passed on to the test person. All unit test information will also be provided to the test person.

SYSTEM / INTEGRATION Testing will be performed by the test manager, test leads and testers along with development team leader with assistance from the individual developers as required. No specific test tools are available for this project. Programs will enter into System/Integration test after all critical defects have been corrected. A program may have up to two Major defects as long as they do not impede testing of the program (I.E. there is a work around for the error).

ACCEPTANCE Testing will be performed by the actual end users with the assistance of the test manager and development team leader. The acceptance test will be done in parallel with the existing manual ZIP/FAX process for a period of one month after completion of the System/Integration test process.

Programs will enter into Acceptance test after all critical and major defects have

been corrected. A program may have one major defect as long as it does not impede testing of the program (I.E. there is a work around for the error). Prior to final completion of acceptance testing all open critical and major defects MUST be corrected and verified by the Customer test representative.

A limited number of distributors will participate in the initial acceptance test process. Once acceptance test is complete, distributors will be added as their ability to generate the required EDI data is verified and checked against their FAX/ZIP data. As such, some distributors will be in actual production and some in parallel testing at the same time. This will require careful coordination of the control tables for the production system to avoid posting test data into the system.

- **Test Environment:**

- Hardware Configuration :
 - ✓ Motherboard : Intel Chipset (Mercury)
 - ✓ Processor : Pentium 4 (3.0 Ghz)
 - ✓ Hard disk Capacity : 40 GB
 - ✓ CD ROM : Not Available
- Software Configuration :
 - ✓ Operating System : Microsoft Windows XP
 - ✓ Web Browser : Mozilla Firefox

No special hardware is required for testing OrangeHRM application.

- **Test Tools :**

- Selenium will be used for Regression and Retesting.
- Test Link and MS Excel will be used for Test Management process.
- Bugzilla and MS Excel will be used for Defect Reporting process.
- If required some portion of the application will be tested manually.

- **Item Pass/Fail Criteria :**

- ✓ When executed test cases meet requirements stated in SRS document and tester is satisfied with its performance then it will be considered that item is 'PASS'.

- ✓ If tester is not satisfied with the performance or application's behavior doesn't match requirements then item will be considered as 'FAIL'.

- **Suspension Criteria and Resumption Criteria :**

- ✓ Suspension Criteria:

1. In case of major enhancement requested by the client
2. If smoke test fails
3. Units are not integrated properly or completely
4. Change request by client

- ✓ Resumption Criteria:

1. In case of all above issues get resolved

- **Test Deliverables :**

- System/Integration test plan
- Screen prototypes
- Report mock-ups
- Defect/Incident reports and summaries
- Test logs

- **Roles & Responsibilities :**

Resource	Name	Responsibilities
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Test Lead		1. Provide technical Direction. 2. Planning, Monitoring and Measuring Test Process 3. Milestone Reviews
Tester		1. Identify scenarios & creation of Test Cases 2. Execute Tests 3. Defect Reporting

- **Assumptions :**

- ✓ Application is functioning and ready to use
- ✓ Access to both the development and production systems.

- **Training Needs :**

- ✓ In order to provide complete and proper testing the following areas need to be addressed in terms of training.
 - A.** The developers and tester(s) will need to be trained on the basic operations of the application interface. Prior to final acceptance of the project the operations staff will also require complete training on the application.
 - B.** The administration staff will require training on the new screens and reports.
 - C.** At least one developer and operations staff member needs to be trained on the installation and control of the OrangeHRM.

- **Schedule :**

Task ID	Activity	Start Date	Stop Date	Resource	Task Dependency
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1	Create Test Plan	20-06-14			
2	Approval of Test Plan	21-06-14			1
3	Understanding of SRS and Application	23-06-14			
4	Create Test Scenario	24-06-14			1, 2
5	Create Test Cases	25-06-14			1, 2, 4
6	Traceability Matrix	25-06-14			5
7	Execute Test Cases	26-06-14			5
8	Recording of Defects	27-06-14			7
9	Defect Analysis Report of overall quality of S/W	28-06-14			8

- **Communication Approach :**

- ✓ **Local Area Network (LAN)**

Communication, reporting and knowledge transfer will be done using LAN.

- ✓ **Review Meetings**

Review meetings will be conducted time by time for proper communication between all Team Lead and Test Manager.

- **Approvals :**

➤ Project Manager

➤ Test Manager

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