OrangeHRM Test Plan

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**Abstract**

This document provides an overview of the project and the product test strategy, a list of testing deliverables and plan for Testing software

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# **1.Introduction**

## 1.1 Purpose of the Test Plan Document

The purpose of the test plan is design to prescribe the Scope, approach, resources and schedule activities of the project Orange HRM. The plan identifies the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan.

# **2.Test Strategy**

## 2.1 Scope of Testing

### 2.1.1 Features to be Tested

### All the features of ORANGE HRM which are there in the requirement specification need to be tested

|  |  |  |
| --- | --- | --- |
| **Module Name** | **Description** | **Responsibility** |
| Home Page | Verify UI, widgets and navigation | Tester |
| Login Page | Verify login , logout and error messages | Tester |
| Search | Validate search functionality across modules | Tester |
| Admin | Validate user management & configuration | Tester |
| PIM | Validate employee information management | Tester |
| Leave | Validate leave request and approval process | Tester |
| Time | Validate timesheets and attendance tracking | Tester |
| Recruitment | Validate candidate and vacancy management | Tester |
| My Info | Verify employee self-service details | Tester |
| Performance | Validate goal setting and evaluations | Tester |
| Dashboard | Verify dashboard widgets and summaries | Tester |
| Directory | Validate employee directory features | Tester |
| Maintenance | Validate system maintenance features | Tester |
| Claim | Validate expense claims management | Tester |
| Buzz | Validate Buzz social features | Tester |
| Upgrade | Verify system upgrade process | Tester |
| My Account | Verify account settings and security | Tester |
| Help | Validate help and support modules | Tester |

### 2.1.2 Features not to be tested

### These features are not be tested because they are not included in the software requirement specs

### Performance

### Directory

### Maintenance

### Buzz

## 2.2 Types of Testing

### In the project Orange HRM, Types of testing should be conducted

### 2.2.1 Unit Testing

### Each Unit should be tested individually by the developer or tester

### 2.2.2 Integration Testing

### Individual software modules are combined and tested as a group

### 2.2.3 System Testing

### Conducted on a complete, integrated system to evaluate the system’s compliance with its specified requirements

### 2.2.4 User Acceptance Testing

### 2.3 Risk and Issues

|  |  |
| --- | --- |
| RISK | ISSUE |
| Team member lack the required skills for website testing. | Plan training course to skill up your members |
| The project schedule is too tight; it's hard to complete this project on time | Set Test Priority for each of the test activity. |
| Test Manager has poor management skill | Plan leadership training for manager |
| A lack of cooperation negatively affects your employees' productivity | Encourage each team member in his task, and inspire them to greater efforts. |
| Wrong budget estimate and cost overruns | Establish the scope before beginning work, Pay a lot of attention to project planning and constantly track and measure the progress |

## 2.4 TEST logistics

### 2.4.1 Who will Test?

### The project should use outsource members as the tester to save the project cost

### 2.4.2 When will test occur?

The tester will start the test execution when all the following inputs are ready

- Software is available for testing

- Test Specification is created

- Test Environment is built

- Enough human resource for testing

# **3.Test Objective**

The test objectives are to verify the Functionality of website Orange HRM, the project should focus on testing the HRM such as Employee details, Admin, Employee Leave details, Recruitment, Performance, Account Management, Withdrawal, and Balance…etc. to guarantee all these operations can work normally in real business environment.

# **4.Test Criteria**

## 4.1 Suspension Criteria

## If the team members report that there are 40% of test cases failed, suspend testing until the development team fixes all the failed cases

## 4.2 Exit Criteria

Specifies the criteria that denote a successful completion of a test phase:

- Run rate is mandatory to be 100% unless a clear reason is given.

- Pass rate is 80%, Achieving the pass rate is Mandatory.

# **5.Resource Planning**

## 5.1 System Resource

### 5.1.1 Server: Need a Database server which install MySQL server. Web server which installs Apache server

### 5.1.2 Test Tool: Develop a Test tool which can auto generate the test result to the pre-defined form and automated test execution

### 5.1.3 Network

### 5.1.4 Computer

## 5.2 Human Resource

### 5.2.1 Test Manager

* Manage the whole project
* Define project directions
* Acquire appropriate resources

### 5.2.2 Test

* Identifying and describing appropriate test techniques/tools/automation architecture
* Verify and assess the Test Approach
* Execute the tests, Log results, Report the defects.
* Outsourced members

### 5.2.3 Developer in test

### Implement the test cases, test program, test suite etc.

### 

### 5.2.4 Test Administrator

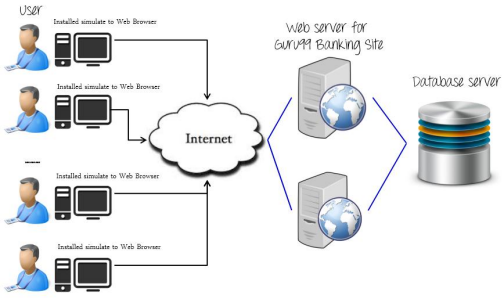
* Builds up and ensures test environment and assets are managed and maintained
* Support Tester to use the test environment for test execution

### 5.2.5 SQA Members

* Take in charge of quality assurance
* Check to confirm whether the testing process is meeting specified requirements

# **6.Test Environment**

The Test Environment should be setup as figure below

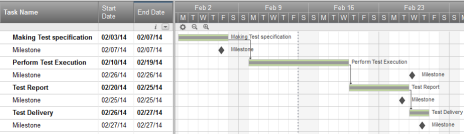
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# **7.Schedule and Estimation**

## 7.1 All project Task and Estimation

|  |  |  |
| --- | --- | --- |
| **TaTask** | **Members** | **Estimate effort** |
| Create the test specification | Test Designer | 170 man-hour |
| Perform Test  Execution | Tester, Test Administrate | 80 man-hour |
| Test Report | Tester | 10 man-hour |
| Test Delivery |  | 20 man-hour |
| **Total** |  | **280 man-hour** |

## 7.2 Schedule to complete these tasks

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# **8.Test Deliverables**

# Test deliverables are provided as below:

## 8.1 BEFORE TESTING PHASE

### Test plan document

### Test Cases document

### Test Design specification

## 8.2 DURING TESTING

### Test Tool

### Simulators/Emulators

### Test Data

### Test traceability Metrix

### Error logs and execution logs

## 8.3 AFTER TESTING CYCLE IS OVER

### Test Report/result

### Defect report

### Installation/Test Procedure guidelines

### Release Notes