**Table of Contents**

**1.0 Introduction 2**

**2.0 Purpose 2**

**3.0 Scope 2**

**4.0 Objective 2**

**5.0 Responsibilities and Roles 3**

**6.0 Methodology of Testing 3-4**

**6.1 General Information**

**6.2 Levels of Testing**

**6.3 Triage of Bugs**

**7.0 Status Reporting 4**

**8.0 Defect Tracking 4-5**

**8.1 Priority and Severity Guidelines**

**8.2 Remark Status**

**9.0 Test Deliverables 5**

**9.1 Before testing phase**

**9.2 During the testing**

**9.3 After the testing cycle is over**

**10.0 Requirements and Environment 6**

**11.0 Schedule 6**

**12.0 Planning Risks 6**

**13.0 Approvals 6**

**Test Plan for Orange HRM**

**1.0 Introduction:**

The Test Plan specifies the scope, strategy, resources, and timing for entire Project testing Orange HRM operations.

The plan identifies the things to be tested, the features to be tested, the kinds of testing to be done, the persons responsible for testing, the resources and timetable needed to accomplish testing, and the plan's risks.

**2.0 Purpose:**

The purpose of testing Orange HRM application is a powerful tool providing employees of the company with the ability to view relevant information such as personal information and updating personal information with an internet enabled PC without having to involve the HR department.

The functionality of this module spans through the entire system, making information available anywhere, anytime. All information is subject to company’s defined security policy, where he/she can only view the information he/she is authorized to.

**3.0 Scope:**

These features are to be tested because they are included in the software requirement specifications

* User Interface
* Website Security and Performance
* Functional and Non-functional Requirements
* Bug Identifications

**4.0 Objective:**

The Test goals are to validate Orange HRM functionality. The Project should concentrate on testing operations Such as Employee details, Addition and deletion of employee details, Role management, Account Security, Performance etc., to ensure that all these operations can function correctly in a real-world business context.

**5.0 Responsibilities and Roles:**

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name** | **Responsibility** |
| **1** | **Lakshman** | To find and describe the Functional requirements for the OrangeHrm |
|  |  | To find the Non-functional requirements for the Application. |
| **2** | **Harshitha** | To develop an appropriate Test plan which makes the project complete perfectly within the time and create test cases and check all the scenarios and test cases.  To test directory and its scenario and test cases. |
| **3** | **Ayushi** | To develop ECP of OrangeHRM |
|  |  | To develop Boundary Value Analysis (BVA) orangeHRM. |
|  |  | To create state transitions. |
| **4** | **Simran** | To test the leave module and its scenario and test cases. |
| **5** | **Sai surya teja** | To test admin and pim module & its scenario and test cases |
| **6** | **Sanmati** | To test leave & time module & its scenario and test cases |
| **7** | **sneha** | To test recuirements and my info & its scenario and test cases. |
| **8** | **Dipti** | To test performance & its scenario and test cases. |
| **9** | **Vishakha** | Write execution log and defect report. |

**6.0 Methodology of Testing:**

**6.1 General Information**: The Methodology used in Orange HRM is Agile which helps to check and test at each step of Tasks so that there will be no confusion.

* 1. **Levels of Testing:**

In the project, there are 3 types of testing that should be conducted.

* **Integration** Testing (Individual software modules are combined and tested as a group)
* **System** **Testing:** Conducted on a complete, integrated system to evaluate the system’s compliance with its specified requirements
* **API (Application Program Interface) testing:**Test all the APIs (Application Program Interfaces) created for the software under tested.
  1. **Triage of Bugs:**
* **Suspension Requirements and Suspension Criteria**:
* If team members indicate that 30% of test cases have failed, testing should be halted until the development team has fixed all the failed instances.
* When there is a Change Request from the client then testing should be halted until the changes are performed.
* **Completeness of the test:**
  + Specifies the requirements for completing a test phase successfully.
  + Unless a valid justification is provided, the run rate must be 100 percent.
  + The pass rate is set at 80% and passing is required.

**7.0 Status Reporting:**

Test status reporting model is likeDaily, Weekly, Monthly.

**8.0 Defect Tracking:**

**8.1 Priority and Severity Guidelines:**

Severity Guidelines:

The Severity indicates the impact of the bug. Severity is decided by QA Manager or an individual or a group appointed by him/her.

Severity Classification:

* Very High
* High
* Medium
* Low

Priority guidelines:

The Priority Scale indicates the Urgency to fix a fault. Priority is decided by Project Manager or an individual or a group appointed by him/her.

Priority Classification:

* Very High / P0
* High /P1
* Medium /P2
* Low /P3

**8.2 Remark Status:**

Following are the different status of Defects in Bug tracking Tool

|  |  |
| --- | --- |
| Status | Description |
| NEW | A new fault identified |
| OPEN | NEW defect has been accepted into the defect tracking system |
| FIXED | Defect is resolved |
| CLOSED | Re-Tested and defect is resolved in modified build |
| RE-OPEN | Re-Tested and again same defect is present in modified build |
| HOLD | Defect is not clear |
| DEFERRED | Defect is postponed or considered for enhancements |
| DUPLICATE | Defect is already posted |
| REJECTED | Not a defect. Works as designed. An Invalid Defect |

**9.0 Test Deliverables:**

Test deliverables are provided as below

**9.1 Before testing phase**

* Test plan document.
* Test Scenario document.
* Test cases document.

**9.2 During the testing**

* Tool Simulators.
* Test Data
* Test Trace-ability Matrix – Error logs and execution logs.

**9.3 After the testing cycle is over**

* Test Reports.
* Defect Report.
* Release notes

**10.0 Requirements and Environment:**

The following elements are required to support the overall testing

* At least three people must have a PC (Personal Computers).
* Access to the Backup process.
* The team must at least know basic operations involved in testing.
* Tool Simulators must be present to test the website.

**11.0 Schedule:**

Start Date, Test Plan and Functional Requirement Document- 18th July 2022

Test Scenario Input Designing and Test Case Writing- 19th - 20th July 2022

Execution Date and Defect Report Creation- 21st July 2022

Collaboration of all Documents and Final Submission of project- By 5.00 pm on 22nd July 2022

Automation Testing of each part of the website – 21st – 24th September 2022

Error corrections and re-testing – 24th –25th September 2022

**12.0 Planning Risks:**

* The team should have backup members so that if any of the team members are not available the backup personnel can replace the place so there will be no delay in the completion of the project.
* Teams should work together and help each other to avoid disturbances.
* Team leaders should encourage team members in a way that they should complete their work within time.

**13.0 Approvals:**

* Firstly, All the team members should accept all the things need to be done.
* Project Sponsor
* Development Management
* Test Manager
* Team Manager