**Test Plan Document**

Project Name:- Orange HRM

Module Name:- **My Info**.

**Version 1.10**

**Contents:-**

**1. Overview.**

**2. Objectives.**

**3. Scope**

**4. Test Approach.**

**5. Test Environment**

**6. Testing Tools**

**7. Schedule**

**8. Test Criteria**

**9. Risk analysis**

**10. Release Control**

**11. Review & Approval.**

**12. Test Deliverables**

1.**Overview:-**

* As part of the project, ‘Orange HRM’ and we decided to test one Module ‘My-Info’ of few functionalities of ‘Orange HRM” web application.
* This document serves as high level test Strategy document with details on the scope of the project, test schedule and resource requirements, test deliverables and schedule.

**2.Objective:-**

* The objective Test Plan is to define scope of the testing, schedules and deliverables of an module.

**3.Scope:-**

The scope of the module includes testing the following features of ‘Orange HRM’ web application.

**Features to be Tested:-**

**My Info Module:-**

* Personal Details
* Photograph
* Contact Details
* Emergency Contact
* Dependants
* Immigration
* Job
* Salary
* Report To
* Qualifications
* Membership

From our understanding, we believe above functional areas need to be Tested.

**4.Test Approach:-**

* As We understood that we need to perform Functional Testing of all the functionalities mentioned in the above Scope section.
* As part of Functional Testing, we will follow the below approach for Testing:

**Step#1** – Creation of Test Scenarios and Test Cases for the different features in scope.

* We will apply several Test Designing techniques while creating Test Cases
  + Equivalence Class Partition
  + Boundary Value Analysis
  + Decision Table Testing
  + State Transition Testing
  + Use Case Testing
* We also use our expertise in creating Test Cases by applying the below:
* Error Guessing
* Exploratory Testing
* We prioritise the Test Cases

**Step#2 –** Our Testing process, when we get an Application for Testing:

* Firstly, we will perform Smoke Testing to check whether the different and important functionalities of the application are working.
* We reject the build, if the Smoke Testing fails and will wait for the stable build before performing in depth testing of the application functionalities.
* Once we receive a stable build, which passes Smoke Testing, we perform in depth testing using the Test Cases created.
* Multiple Test Resources will be testing the same Application on Multiple Supported Environments simultaneously.
* We then report the bugs in the ‘Zoho’ bug tracking tool and send you the defect found on that day in a status end of the day email.
* As part of the Testing, we will perform the below types of Testing:
* Smoke Testing and Sanity Testing
* Regression Testing and Retesting
* Usability Testing, UI Testing and Accessibility Testing
* We repeat Test Cycles until we get the quality product.

**Step 3** – We will follow the below best practices to make our Testing better:

* Context Driven Testing – We will be performing Testing as per the context of the given application.
* Shift Left Testing – We will start testing from the beginning stages of the development itself, instead of waiting for the stable build.
* Exploratory Testing – Using our expertise we will perform Exploratory Testing, apart from the normal execution of the Test cases.

**Step 4:-** The way to approach to test an Particular application.

**Levels of Testing:**- Integration Testing, System Testing, System Integration Testing. These Testing Done in the Particular application.

* End to End Flow Testing – We will test the end-to-end scenario which involve multiple functionalities to simulate the end user flows.

# **Roles/Responsibilities:-**

|  |  |  |
| --- | --- | --- |
| Name | Role | Responsibilities |
| Sivanesh | Test Manager | * Escalations |
| Indu Rani | Test Lead | * Create the Test Plan and get the client signoffs * Interact with the application, create and execute the test cases * Report defects * Coordinate the test execution. Verify validity of the defects being reported. * Submit daily issue updates and summary defect reports to the client. * Attend any meeting with client. |
| Madhavi Latha | Senior Test Engineer | * Interact with the application * Create and Execute the Test cases. * Report defects |
| Srinath | Test Engineer | * Interact with the application * Execute the Test cases. * Report defects |
| Vamsi | Test Engineer | * Interact with the application * Execute the Test cases. * Report defects |
| Suresh | Test Engineer | * Interact with the application * Execute the Test cases. * Report defects |
| Dipak | Test Engineer | * Interact with the application * Execute the Test cases. * Report defects |

**5.Test Environment:-**

The application to be tested all environment.

**Software Configuration:-**

* + Windows 10 – Chrome, Firefox, IE 11 and Edge
  + Mac OS – Safari Browser
  + Linux Ubuntu OS – Firefox
  + NetScape
  + Eudora
  + Database-Mysql.

**Hardware Configuration:-**

Hard Disk:- 500GB

Ram :- 6GB

Processor :- I5 8th generation.

6.**Testing Tools**:-

* The following are the list of Tools we will be using in this Project:
  + Word and Excel documents
  + JIRA For Project Management Tool.
  + Data base testing (sql)
  + Performance testing/ Non functional Testing (J meter)
  + Frame work for functional testing (TestNG)
  + To test the Automation scripts (Selenium)
  + Test management tool for test execution (zephyr)
  + Defect management tool (Bugasura)
  + Security testing tool ( Burp suite).

**7.Schdule:-**

|  |  |  |
| --- | --- | --- |
| Build No | Start Date | End Date |
| Build No 1.10 | 01-09-2022 | 01-10-2022 |

**8.Testing Criteria:-**

**Entry Criteria:-**

* + Requirements specification Document.
  + Test Plan
  + Test Cases Document
  + Module should be Developed completely.
  + Unit Test Cases Should Pass.

**Exit Criteria:-**

* Zero Installer defects.
* Completion of Planned Test case’s Execution.
* Meet the client satisfaction of all features.

**9.Risk analysis:-**

|  |  |  |  |
| --- | --- | --- | --- |
| S.No | Risk | Mitigation | Status |
| 1. | Resource is on Vacation | Maintain Backup resource | Low |
| 2. | Based on Delays in Delivering completed Test items would impact on final release quality of product | Product Management team advise of any delays and adjust release to allow all test activities to be performed | High |
| 3. | The test team and domain team require to the project if they are not available. This would delay Project activities. | The test team and domain team require to the project to ensure they are available at critical points during the project activities. | Medium |

**10. Release Control:-**

* In the Project of the Module Wants to launch this system in one month.

**11.Review & Approval:-**

* it will send different types of documents for Client Approval like below:
* Test Plan
* Test Scenarios
* Test Cases
* Reports

The following people are required to approve the Test Strategy:-

|  |  |
| --- | --- |
| **Approval By** | **Approval** |
| Test Manager | Tarun |
| The Test Department Manager | Tarun |
| Product Owner | Tarun |
| Development Manager | Tarun |
| Project Manager | Tarun |

Testing will only continue to the next steps once these approvals are done.