Orange HRM

Test Plan

**Objectives:**

* This document serves as high level test planning document with details on the scope of the project, test strategy, test schedule and resource requirements, test deliverables and schedule.

**Areas to be tested:**

* Login
* Admin
* Pim
* Leave
* Time
* Requirement
* My Info
* Performance
* Dashboard
* Directory
* Maintenance
* Claim
* Buzz

**Areas not to be tested:**

* All the features except that are mentioned under tested.

**Approvals:**

Team will send different types of documents for client approval like below

* Test Plan
* Test scenarios
* Test Cases
* Reports

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

**Tools:**

The following are the list of tools we will be using in this project

* XYZ Bug tracking Tool
* Snipping Screenshot Tool
* Word and excel documents

**Test Environment:**

* Windows 7,8,10
* Browsers compatibility: Chrome, Firefox, Edge

**Test Strategy:**

As per the understanding of the website we will perform Functional testing to test all the functionalities which are mentioned in the scope of the application.

To perform Functional Testing, we will follow the below steps

**Step 1:**

Creating the Test Scenarios and Test cases for different functionalities which are in scope

* + 1. 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

* + 1. We also use our expertise in creating Test Cases by applying the below:

Error Guessing

Exploratory testing

* + 1. We prioritize the Test Cases

**Step 2:**

Our testing process for testing the web application

1. Firstly, we will perform Smoke Testing to check whether the different and important functionalities of the application are working.
2. 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.
3. Once we receive a stable build, which passes Smoke Testing, we perform in depth testing using the Test Cases created.
4. Multiple Test Resources will be testing the same Application on Multiple Supported Environments simultaneously.
5. We then report the bugs in bug tracking tool and send dev. management the defect found on that day in a status end of the day email.
6. As part of the Testing, we will perform the below types of Testing

Smoke Testing and Sanity Testing

Regression Testing and Retesting

Usability Testing, Functionality & UI Testing

1. We repeat Test Cycles until we get the quality product.

**Step 3:**

We will follow the below best practices to make our Testing better

* + - 1. **Context Driven Testing** – We will be performing Testing as per the context of the given application.
      2. **Shift Left Testing –** We will start testing from the beginning stages of the development itself, instead of waiting for the stable build.
      3. **Exploratory Testing** – Using our expertise we will perform Exploratory Testing, apart from the normal execution of the Test cases.
      4. **End to End Flow Testing** – We will test the end-to-end scenario which involve multiple functionalities to simulate the end user flows.

**Defect Reporting Procedure:**

During the test execution

1. Any deviation from expected behavior by the application will be noted. If it can’t be reported as a defect, it’d be reported as an observation/issue or posed as a question.
2. Any usability issues will also be reported.
3. After discovery of a defect, it will be retested to verify reproducibility of the defect. Screenshots with steps to reproduce are documented.
4. Every day, at the end of the test execution, defects encountered will be sent along with the observations.
5. Defects will be documented in a excel.
6. Test scenarios and Test cases will be documented in an excel document

# **Roles/Responsibilities**

|  |  |  |
| --- | --- | --- |
| Name | Role | Responsibilities |
| Person A | Test Manager | * Escalations |
| Person B | 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. |
| Person C | Senior Test Engineer | * Interact with the application * Create and Execute the Test cases. * Report defects |
| Person D | Test Engineer | * Interact with the application * Execute the Test cases. * Report defects |

# **Test Deliverables**

The following are to be delivered to the client:

|  |  |  |
| --- | --- | --- |
| Deliverables | Description | Target Completion Date |
| Test Plan | Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule | Date |
| Functional Test Cases | Test Cases created for the scope defined | Date |
| Defect Reports | Detailed description of the defects identified along with screenshots and steps to reproduce on a daily basis. | NA |
| Summary  Reports | Summary Reports –  Bugs by Bug#,  Bugs by Functional Area and  Bugs by Priority | Date |

**Testing Time Lines/ Schedule:**

|  |  |  |
| --- | --- | --- |
| Iteration (or) Build No | Start Date | End Date |
| **Iteration#1(Build#1)** | XXXX | XXX |
| **Iteration#2(Build#2)** | XXXXX | XX |
| **Iteration#3(Build#3)** | XXX | xx |

# **Risks and Mitigations:**

* Risk 1: Employee is on Vacation
* Mitigation 1: Maintain backup resource
* Risk 2: Hardware failure during testing
* Mitigation 2: Make ready IT team, also maintain backup hardware resource

**Entry Criteria:**

* Requirement Specification Document
* Test Plan
* Test Case
* Unit Test cases should pass

**Exit Criteria:**

* Zero Installer defects
* Completion of planned Test Cases Execution
* No P1/P2 Functional defect from any iteration