**TEST PLAN FOR ORANGE HRM**

**1.TEST OBJECTIVES**

The objective of the test is to verify that the functionality of ORANGEHRM VERSION 3.0 – MY INFO MODULE works according to the specifications.

The test will execute and verify the test scripts, identify, fix and retest all high and medium severity defects per the entrance criteria, prioritize lower severity defects for future fixing via CR.

The final product of the test is twofold:

A production-ready software

A set of stable test scripts that can be reused for Functional and UAT test execution.

**2.ROLES AND RESPONSIBILITIES**

* QA Analyst
* Test Manager
* Configuration Manager
* Developers
* Installation Team
* Delivery Manager

**3. SCOPE AND LEVELS OF TESTING**

**Exploratory**

**PURPOSE:** the purpose of this test is to make sure critical defects are removed before the next levels of testing can start.

SCOPE: First level navigation, dealer and admin modules

TESTERS: Testing team.

METHOD: this exploratory testing is carried out in the application without any test scripts and documentation

TIMING: at the beginning of each cycle.

**Functional Test**

**PURPOSE**: Functional testing will be performed to check the functions of application. The functional testing is carried out by feeding the input and validates the output from the application

**TESTERS**: Testing Team.

**METHOD**: The test will be performed according to Functional scripts, which are stored in HP ALM

**TIMING**: after Exploratory test is completed.

**TEST ACCEPTANCE CRITERIA**

* Approved Functional Specification document, Use case documents must be available prior to start of Test design phase
* Test cases approved and signed-off prior to start of Test execution
* Development completed, unit tested with pass status and results shared to Testing team to avoid duplicate defects
* Test environment with application installed, configured and ready to use state

**4.TEST DELIVERABLES**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Deliverable Name** | **Author** | Reviewer |
| **1** | Test Plan | Test Lead | Project Manager/ Business Analyst’s |
| **2** | Functional Test Cases | Test Team | Business Analyst’s Sign off |
| **3** | Logging Defects in HP ALM | Test Team | Test Lead/ Programming Lead |
| **4** | Daily/weekly status report | Test Team/ Test Lead | Test Lead/ Project Manager |
| **5** | Test Closure report | Test Lead | Project Manager |

**User Acceptance Test (UAT)**

**PURPOSE**: this test focuses on validating the business logic. It allows the end users to complete one final review of the system prior to deployment.

**TESTERS**: the UAT is performed by the end users (L1, L2 and L3).

**METHOD**: Since the business users are the most indicated to provide input around business needs and how the system adapts to them, it may happen that the users do some validation not contained in the scripts. Test team write the UAT test cases based on the inputs from End user (L1,L2 and L3 users) and Business Analyst’s.

**TIMING**: After all other levels of testing (Exploratory and Functional) are done. Only after this test is completed the product can be released to production.

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Deliverable Name** | **Author** | **Reviewer** |
| **1.** | UAT Test Cases | Test Team | Business Analyst’s Sign off |

**5.TEST MANAGEMENT PROCESS**

**Test Management Tool**

HP Application Lifecycle Management is the tool used for Test Management. All testing artifacts such as Test cases, test results are updated in the HP Application Lifecycle Management (ALM) tool.

Project specific folder structure will be created in HP ALM to manage the status of this DFRT project.

Each resource in the Testing team will be provided with Read/Write access to add/modify Test cases in HP ALM.

During the Test Design phase, all test cases are written directly into HP ALM. Any change to the test case will be directly updated in the HP ALM.

Each Tester will directly access their respective assigned test cases and update the status of each executed step in HP ALM directly.

Any defect encountered will be raised in HP ALM linking to the particular Test case/test step.

During Defect fix testing, defects are re-assigned back to the tester to verify the defect fix. The tester verifies the defect fix and updates the status directly in HP ALM.

Various reports can be generated from HP ALM to provide status of Test execution. For example, Status report of Test cases executed, Passed, Failed, No. of open defects, Severity wise defects etc

**6.TEST COVERAGE**

**PLATFORMS**

* Android
* IOS
* Mobile web
* Desktop web
* ISO

**7.TEST ENVIRONMENT**

ORANGEHRM VERSION 3.0 – MY INFO MODULE’s servers will be hosted at X company’s site. RANGEHRM VERSION 3.0 – MY INFO MODULE will be hosted on two servers: One to host the actual website and (language) code, and the other to host the (database name) database.

A windows environment with Internet Explorer 8, 9 and 10, and with Firefox 27.0, as well as Google Chrome32.0 and later should be available to each tester.

**8.TESTING TOOLS**

* Automation and test management tools needed for test execution
* Automation-Selenium web driven
* Issue tracking tool-JIRA
* Mobile testing tool-APPIUM
* Performance Testing-JMETER