**1. Test Plan Identifier**

**File Name:** OrangeHRM1.0

**Location:** Chennai , Cognizant

**2. Document History**

|  |  |  |  |
| --- | --- | --- | --- |
| **REV** | **Author** | **Edits** | **Date** |
| 1.0 |  | Initial Draft | 16/01/2020 |
|  |  |  |  |
|  |  |  |  |

**3. Introduction**

**Human resource management** (**HRM** or **HR**) is the strategic approach to the effective management of people in a company or organization such that they help their business gain a [competitive advantage](https://en.wikipedia.org/wiki/Competitive_advantage). It is designed to maximize [employee performance](https://en.wikipedia.org/wiki/Employee_performance_management) in service of an employer's strategic objectives. Human resource management is primarily concerned with the management of people within organizations, focusing on [policies](https://en.wikipedia.org/wiki/Policy) and [systems](https://en.wikipedia.org/wiki/System).

This test plan will outline the features to be tested as part of employee details in the OrangeHRM1.0.

4. **Features to be Tested**

Medium priority features are features that have been stable and High Priority features are features that have been recently changed.

|  |  |  |
| --- | --- | --- |
| **Feature To be Tested** | **Priority** | **Comments** |
| Registration | High |  |
| Login | High |  |
| Candidate |  |  |
| Vacancy | High |  |
|  |  |  |
|  |  |  |

1. **Features NOT to be Tested**

Help Contents will not be tested.

Installation and presentation will not be tested.

Support of the other architectures also will not be tested.

1. **Test Strategy**

The test strategy for OrangeHRM1.0 will include manual testing with automated testing. Automated testing will be used to test the basic Interface objects, keyboard and mouse navigation or any redundant tasks best translated to automation. Automated testing will be limited to a Win-7 64bit platform because of Automation tool limitations.

* Sanity test will include an very short functional tests to ensure the OrangeHRM 1.0 runs/launches and can connect to the back end database. Test execution will happen as individual component testing. These tests will be fully automated.
* Acceptance tests will include a short functional of tests that will only touch major features to ensure OrangeHRM1.0 will operate smoothly at a basic level. These tests will be executed on Windows 7, Windows 10. The goal will be to automate all of these tests.
* Full Functional tests will include a comprehensive test of all features listed in this document. These tests will be limited to the Windows 7 client. These test will include automation with time allowing.

**Functionality Testing**

**Registration**

Verify Registration New

Verify Modification of the existing record

Verify Deletion of the existing record.

Verify Searching of existing of records.

Verify Refresh of the Data Fields.

Verify Closing of the registration window.

**Login**

Verify user name

Verify password

**Recruitment**

Verify Candidate details

Verify Vacancy details

**Usability Testing**

The usability testing will be accomplished by verifying the information in each window are accurate. Menus, icons and toolbar functionality will be tested as applicable to the navigation and results panes. Multi Window Overlapping will be tested because product supports opening of multiple documents.

6.1.1.0 Font size

6.1.1.1 Font colour

6.1.1.2 Font alignment

6.1.1.3 Grammatical error

6.1.1.4 Logos

**Robustness/Reliability Testing**

Test the GUI for correct keyboard and mouse navigation, windows, menus, buttons, etc. These tests will include Keyboard only navigation of OrangeHRM1.0, Mouse only navigation. Correctness and existence of warning/error dialog boxes. The correct/expected functionality of buttons, icons and menus.

**Stress Testing**

Not applicable

**7. Test Deliverables**

Business Requirement specifications

Functional Requirement Specifications

Software Requirement Specification

Test Plan Specification

Test Scenario

Test Case Specification

Automation Test Plan

Test plan OrangeHRM1.0

Test Specification OrangeHRM1.0

Test Automation Plan TBD

Test tools Selenium, Jira

**8. Testing Tasks & Resource Needs**

Use of MYSQL database.

Write Test Specification.

Write Test Automation plan.

Write Test Checklist.

Setup workspace.

Develop Automation script.

Minimum requirements for platforms:

Windows 7 Professional:

Processor Pentium(R) Dual-Core CPU E5400 @2.70 GHz

Installed memory (RAM):4.00 GB

System type: 64-bit operating system

**9.Schedule**

Test Documentation

| Document | Development Time | | Sign-off Date | Dependencies |
| --- | --- | --- | --- | --- |
|  | Person-Days | Completion Date |  |  |
| Test Plan | 2days | 17/01/2020 |  | Functional Spec. Review |
| Test Specifications | 3 days | 17/01/2020 |  | Test plan, Functional Spec, Review |
| Test Logs | TBD |  |  |  |
| Test Summary Report | TBD |  |  |  |
| Checklist | TBD |  |  |  |

Test Development

| Deliverable | Development Time | | Dependencies |
| --- | --- | --- | --- |
|  | Person-Days | Completion Date |  |
| Functional Test Suite | 8 | 22/01/2020 |  |
| Automation build | 15 |  |  |
|  |  |  |  |

| Test Activity | | Execution Time (Person-Days) | | | Dependencies |
| --- | --- | --- | --- | --- | --- |
|  | | Alpha | Beta | FCS |  |
| Acceptance | | 2 Days | 2Days | 4 Days |  |
| Functional | Functionality | 5 | 4 |  |  |
|  | Usability | All High to Medium testcases |  |  |
|  | Robustness |  |
|  | Stress |  |
|  | Multi Inst. |  |
| Regression | |  |  |  |  |
| Documentation Review | | 2 | 2 | 2 |  |
| Total Test Cycle | | 8 | 8 | 6 |  |

Test Execution

**10. Issues/Risks and Contingencies**

| RISK | CONTINGENCY | COMMENTS |
| --- | --- | --- |
| Any Automation will need to be created in parallel of testing. | Manual testing | Goal is to add Automation where possible.  Initial setup might be able to be worked on in an earlier stage if time permitting. |
| VB Accessibility Utilities and specs to verify compliance to Accessibility are not available. | Simplistic tests | Accessibility guidelines are not specified in spec. |
|  |  |  |
|  |  |  |

**11.Approvals**

| POSITION  \* Approval Required | NAME | SIGNATURE | REVIEWED | APPROVED |
| --- | --- | --- | --- | --- |
| Tech Lead |  |  |  |  |
| STAFF ENG, SW | Sharon Paul v |  |  |  |
| Project Manager |  |  |  |  |
| Clint Approval | Cognizant |  |  |  |

12. **References**

OrangeHRM1.0 User Interface Specification

OrangeHRM1.0 Functional Specification

OrangeHRM1.0 Design Specification