**TEST PLAN DOCUMENT- OrangeHRM**

**Created**

By: Rahul Narendhula

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**Reviewed**

By: Prasoon Rana

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1. **Introduction**

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the project ORANGEHRM

#### **2. Scope**

#### 2.1 **In Scope**

All the feature of module Attendance sheet which were defined in software requirement specifications need to be tested

|  |  |  |
| --- | --- | --- |
| **Functionality name** | **Applicable roles** | **Description** |
| Punch-in/out Functionality | Admin, Employees, Manager | All the applicable users are eligible for marking their attendance sheet using punch-in/out operation |
| Total Pay Hours Visibility | Admin, Employees, Manager | Admin can see the total pay hours for each applicable user  Employees can see the total pay hours for themselves only  Manager can see the total pay hours for himself as well as for the assigned employees under him |
| Attendance sheet modification | Admin, Employees, Manager | Admin can modify the punch-in/out timings for any user Employees can’t do modification to their punch-in/out times once they have filled their time sheet  Manager can modify the punch-in/out timings for the employees assigned under them. |

#### **2.2 Out of Scope**

These features are not tested because they are not included in the software requirement specs

* User Interfaces
* Database logical
* Communications Interfaces
* Website Security and Performance

### 3. Quality Objective

The test objectives are to **verify** the module Functionality of the website orangehrm, the project should focus on testing the **attendance sheet module** such as punch-in, punch-out operations, total pay hours generated and time-zone functionality.

**3.1 Roles and Responsibilities**

The project should use **outsource** members as the tester to save the project cost.

|  |  |  |
| --- | --- | --- |
| **No.** | **Member** | **Tasks** |
| **1.** | Test Manager | Manage the whole project Define project directions Acquire appropriate resources |
| **2.** | Test | Identifying and describing appropriate test techniques/tools/automation  architecture Verify and assess the Test Approach Execute the tests, Log results, Report the defects. Outsourced members |
| **3.** | Developer in Test | Implement the test cases, test program, test suite etc. |
| **4.** | Test Administrator | Builds up and ensures test environment and assets are managed and maintained Support Tester to use the test environment for test execution |
| **5.** | SQA members | Take in charge of quality assurance Check to confirm whether the testing process is meeting specified requirements |

### 4. Test Methodology

### 4.1 Overview

### 4.2 Test Levels

In the module Attendance sheet, there’re 3 types of testing should be conducted.

* **Unit Testing** individual units or functions of the specified module
* **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 testing:**Test all the APIs create for the software under tested

**4.1 Test Completeness**

* Specifies the criteria that denote a successful completion of a test phase
* Pass rate is 80% as per the number of tests executed as mentioned in our Test Cases document.
* Fail rate is 20%, as per the number of tests executed as mentioned in our Test Cases document.

### Module task and estimation and schedule

|  |  |  |
| --- | --- | --- |
| Task | Members | Estimate hours |
| Create the test cases | Test Designer | 10 hours |
| Perform test execution | Tester | 5 hours |
| Test report | Tester | 3 hours |
| Test delivery | Test Lead | 5 hours |
| Total |  | 23 hours |

### 5. Test Environment

Test Environment to be setup is QA Environment

### 6. Resource & Environment Needs

### Server

### Test tool

### Network

### Computer

### 7. Test Deliverables

Test deliverables are provided as below

**Before testing phase**

* Test plans document.
* Test cases documents
* Test Design specifications.

**During the testing**

– Test Tool Simulators.

– Test Data

– Test Trace-ability Matrix – Error logs and execution logs.

**After the testing cycles is over**

* Test Results/reports
* Defect Report
* Installation/ Test procedures guidelines