**Test Plan**

Introduction:

**Purpose:**

* The purpose of this test plan is to outline the testing activities and approach for the OrangeHRM web application.

**Scope:**

* This test plan covers functional, usability, security, and performance testing of the OrangeHRM web application.

**Test Environment:**

* Hardware Configuration :
  + Motherboard : Intel Chipset (Mercury)
  + Processor : Pentium 4 (3.0 Ghz)
  + Hard disk Capacity : 1 TB
  + Ram : 8 GB
* Software Configuration :
  + Operating System : Microsoft Windows 10
  + Web Browser : Chrome.

**Test Objectives:**

* Verify the functionality of all modules and features of the OrangeHRM web application.
* Assess the usability and user-friendliness of the application.
* Identify and mitigate security vulnerabilities.
* Evaluate the performance of the application under normal and peak load conditions.

**Test Strategy:**

* **Test Levels:** Specify the different levels of testing to be performed, such as unit testing, integration testing, system testing, and acceptance testing.
* **Test Types:** Define the specific test types to be conducted, including functional testing, usability testing, security testing, and performance testing.
* **Test Techniques:** Describe the test techniques and methodologies to be used, such as black-box testing, white-box testing, and exploratory testing.
* **Test Data:** Define the test data requirements and the sources from which test data will be obtained.

**Test Deliverables:**

* **Test Plan:** Document outlining the overall testing approach.
* **Test Cases:** Detailed test cases covering functional, usability, security, and performance aspects.
* **Test Data:** Test data sets required for executing the test cases.
* **Test Logs and Reports:** Logs of test executions, defect reports, and test summary reports.

**Test Execution:**

* Test Schedule: Define the timeline and sequence for executing different tests.
* Test Case Execution: Assign resources responsible for executing the test cases.
* Defect Reporting: Describe the process for reporting and tracking defects.
* Test Progress Monitoring: Specify the methods for monitoring and tracking the progress of testing activities.

**Test Closure:**

* Evaluate the test results against the defined test objectives.
* Prepare a test summary report highlighting the overall testing outcomes.
* Make recommendations for improvements and future testing efforts.

**Approvals:**

* Specify the roles and responsibilities of stakeholders responsible for reviewing and approving the test plan.