Test Plan for
Project ORANGE HRM

General Information	
Customer	Orange HRM
Created By(Author)	
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1. Introduction

1.1. General Information

This test plan outlines the testing strategy for the OrangeHRM demo application, accessible at OrangeHRM Demo. OrangeHRM is an open-source human resource management software that provides a comprehensive suite of tools for managing employee information, recruitment, performance, and other HR-related functions. The demo version allows users to explore the application's features and functionalities without the need for installation or configuration.

The primary objective of this test plan is to ensure that the application functions as intended, providing a seamless user experience while maintaining data integrity and security. This document will cover the scope of testing, testing objectives, resources required, and the overall approach to be taken during the testing process.

1.2. Purpose

The purpose of this test plan is to define the testing approach for the Orange HRM demo application, accessible at Orange HRM Demo. This application serves as a demonstration of the Orange HRM software, which is designed to facilitate human resource management tasks for organizations.

- Validation of Functionality: To ensure that all features of the application, particularly the login functionality, operate as expected. This includes verifying that users can successfully log in with valid credentials and receive appropriate error messages for invalid attempts.
- User Experience Assessment: To evaluate the user interface and overall user experience, ensuring that the application is intuitive, accessible, and visually appealing across various devices and browsers.
- Performance Evaluation: To assess the application's performance under different load conditions, ensuring that it remains responsive and stable during peak usage times.
- Security Testing: To identify potential vulnerabilities within the application, ensuring that sensitive employee data is adequately protected against unauthorized access and breaches.

- Compliance Verification: To ensure that the application adheres to relevant industry standards and best practices for HR management software

2. Scope of Project

2.1. Scope of Web Portal

The list of scope of portal is as under…

1. 1.User Authentication:
2. 2.User Interface (UI) Testing:
3. 3.Core HR Functionalities: (Employee Management, Leave Management, Recruitment)
4. 4. Reporting and Analytics

2.2. Scope of Mobile Application

1. User Authentication:
2. User Interface (UI) Testing:
3. Core HR Functionalities: (Employee Management, Leave Management, Recruitment)
4. Reporting and Analytics
5. Performance Testing(4G, 5G)

2.3. Scope of Admin Part

1. User Management
2. Organization Structure
3. Employee Management
4. Leave Management
5. Recruitment Management
6. Performance Management
7. Reporting and Analytics
8. System Configuration

3. Work Plan

Following are the criteria for work plan are as follow:

1. Define Testing Objectives
2. Identify resources
3. Set up Testing Environment
4. Test planning
5. Test Design
6. Test Execution
7. Defect Reporting and Tracking
8. Post Testing Activities

4. Test Plan and Strategy

4.1. Functional Testing

Functional testing focuses on verifying that the application behaves as expected according to the specified requirements. For the OrangeHRM demo application, accessible at OrangeHRM Demo, the following functional testing areas and test cases are outlined

4.2. Test Procedure

Following are the points which may affect the Test procedure:

- Reporting of found software bugs
  Various aspects of tested software should be checked, this require different kind of testing…
  1. Functional Testing
  2. UI Testing
  3. Usability Testing
  4. Compatibility Testing
  5. Regression Testing
  6. Retesting Testing

4.3. Bug Reports

This bug report highlights a critical issue in the OrangeHRM demo application related to user authentication. Addressing this bug is essential to improve user experience and ensure that users receive appropriate feedback when entering invalid credentials. The development team should prioritize this issue for resolution.

5. Resources

5.1. Tools

Name of Process	Tool
Defect tracking	Jira
Test cases	Testrail
Screenshot/video capture	Snagit

5.2. The List of the Browser

Name of the Browser	Version
Chrome	Latest
Firefox	Latest
Safari	Latest

5.3. The list of the devices

Name of the Device	OS
iPhone devices	All supported OS
Android devices	All supported OS

6. The Criteria of Quality

The criteria of quality for the OrangeHRM demo application, accessible at OrangeHRM Demo, are essential benchmarks that the application must meet to ensure it delivers a reliable, user-friendly, and secure experience.

7. Testing Process Risks

- Key functionalities may not be tested thoroughly, leading to undetected defects.
- Testing may be affected by issues in the testing environment, such as server downtime or configuration errors.
- Changes in application requirements during the testing phase may lead to rework and delays
- Undetected security vulnerabilities may expose sensitive data and lead to breaches.

8. Test Team Expectation

-Clear Communication

-Collaboration with Development

-Focus on Quality

-Team members should be prepared to adapt to changes in requirements or testing scope, demonstrating flexibility in their approach to ensure project success.

-The test team is expected to maintain clear and organized documentation of test cases, test results, and defect reports to ensure traceability and facilitate future testing efforts

9. Responsibilities of Test Team Members

Test Manager:

- Oversee the entire testing process, ensuring alignment with project goals

-Develop and maintain the test plan.

-Coordinate resources and manage the testing schedule.

QA tech lead

- Managing the QA team for the technical purpose
- Analyzing the task and distributing team members
- Communicating with the client team, and discussing all issues, providing recommendation before an update release**.**

QA engineer

- QA process/ logging found errors into the approved bug tracking system.

10. Deliverables

1. Test plant document
2. Test case document
3. Test Script
4. Defect report
5. Test Execution report
6. Performance Testing Report
7. Final Test Summary Report