**Test Plan**

**Project ORANGE HRM**

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| **General Information** | |
| **Customer** | Orange HRM |
| **Created By(Author)** |  |
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#### 

1. **Introduction**

This test plan outlines the testing approach for the **OrangeHRM Demo Website** (https://opensource-demo.orangehrmlive.com/). The primary objective is to ensure the website’s functionalities work correctly, meet business requirements, and provide a seamless user experience.

#### ****2. Test Objectives****

* Verify that the **OrangeHRM login module** functions correctly.
* Test core HRM functionalities such as **Employee Management, Leave Management, Performance Tracking, and Recruitment**.
* Validate UI responsiveness on **desktop and mobile devices**.
* Identify and report defects while ensuring system stability.

**3. Scope of Project**

**3.1 Scope of Web Portal**

1. The list of scope of portal is as under…
2. User Authentication:
3. User Interface (UI) Testing:
4. Core HR Functionalities: (Employee Management, Leave Management, Recruitment)
5. Reporting and Analytics

**3.2 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)

* 1. **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
9. **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

## **5. Test Strategy**

**5.1 Testing Approach**

Testing will be performed using **manual and automated testing** methods. The following testing types will be covered:

* **Functional Testing**: Verify that all HRM features work as expected.
* **UI/UX Testing**: Check for usability and responsiveness on different devices.
* **Regression Testing**: Ensure new updates do not break existing features.
* **Security Testing**: Validate login security and user authentication mechanisms.
* **Compatibility Testing**: Test across different browsers and devices.

### **5.2 Test Levels**

* **Unit Testing** (if applicable)
* **Integration Testing** (Verifying interactions between modules)
* **System Testing** (Validating the end-to-end workflow)
* **User Acceptance Testing (UAT)** (Ensuring business requirements are met)

### **5.3 Test Environment**

* **Operating Systems:** Windows, macOS, Android, iOS
* **Browsers:** Chrome, Firefox, Edge, Safari
* **Devices:** Desktop, Tablet, Mobile

## **6. Defect Management**

* **Bug Tracking Tool: Jira / Excel Sheet**
* **Severity Levels:**
  + **Critical – System crash or login failure**
  + **High – Major functionality not working**
  + **Medium – UI misalignment or incorrect messages**
  + **Low – Minor UI issues**

**7. 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

**8.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.

**9. Test Deliverables**

* Test Plan Document
* Test Cases
* Test Execution Reports
* Defect Report

#### ****10. Risks & Mitigation****

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| **Risk** | **Mitigation Plan** |
| Website downtime | Inform stakeholders and reschedule tests |
| Browser compatibility issues | Use cross-browser testing tools |
| Test data issues | Maintain valid test accounts |

**11. Test Schedule**

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| --- | --- |
| **Activity** | **Timeline** |
| Test Planning | Day 1 - Day 2 |
| Test Case Preparation | Day 3 - Day 5 |
| Test Execution | Day 6 - Day 10 |
| Bug Reporting & Fix Verification | Day 11 - Day 13 |
| Test Closure | Day 14 |

#### ****12. Entry & Exit Criteria****

##### **Entry Criteria**

* Access to the OrangeHRM Demo website.
* Test environment is set up and stable.
* Test cases are prepared and reviewed.

##### **Exit Criteria**

* All test cases have been executed.
* No critical/blocker defects remain unresolved.
* Test execution report is submitted.