**1. Project Overview**

The OrangeHRM website is a Human Resource Management System that provides features like employee management, leave tracking, recruitment, and performance evaluation. The purpose of the testing effort is to ensure the system is functional, secure, and performs well under defined conditions.

**Test URL:** [OrangeHRM Demo](https://opensource-demo.orangehrmlive.com/web/index.php/auth/login) **Testing Team:** QA Team  
 **Test Lead:** Anil Rajak  
 **Testing Start Date:** [Insert Start Date]  
 **Testing End Date:** [Insert End Date]

**2. Test Objective**

1. Verify all functional requirements of the OrangeHRM application.
2. Validate performance under various conditions.
3. Ensure security measures are in place to protect sensitive data.
4. Confirm cross-browser and cross-platform compatibility.

**3. Scope of Testing**

* **Modules Tested:**
  + Authentication (Login/Logout)
  + Admin (User Management)
  + PIM (Employee Management)
  + Leave Management
  + Recruitment
  + Performance
  + Dashboard Navigation
* **Testing Types Conducted:**
  + Functional Testing
  + UI/UX Testing
  + Security Testing
  + Performance Testing
  + Cross-Browser Compatibility Testing

### **Test Summary Report for OrangeHRM Website**

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**Test Lead:** Anil Rajak  
**Testing Start Date:** [17-Jan-2025]  
**Testing End Date:** [19-Jan-2025]

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#### **4. Test Results Overview**

| Test Area | Number of Test Cases | Passed | Failed | Blocked | Remark |
| --- | --- | --- | --- | --- | --- |
| Authentication | 4 | 4 | 0 | 0 | Fully functional. |
| PIM Module | 3 | 3 | 0 | 0 | Fully functional. |
| Leave Management | 3 | 2 | 1 | 0 | Delay in leave request submission |
| Recruitment | 3 | 3 | 0 | 0 | Fully functional. |
| Performance Module | 2 | 2 | 0 | 0 | Fully functional. |

| My Info Module | 2 | 2 | 0 | 0 | Fully functional |
| --- | --- | --- | --- | --- | --- |
| Search Module | 2 | 2 | 0 | 0 | Fully Functional |

| Directory | 2 | 2 | 0 | 0 | Fully functional |
| --- | --- | --- | --- | --- | --- |
| Buzz | 1 | 1 | 0 | 0 | Fully functional |

| Security Testing | 2 | 1 | 1 | 0 | SQL Injection was blocked, but brute force needs improvement. |
| --- | --- | --- | --- | --- | --- |
| Performance Testing | 2 | 1 | 1 | 0 | Take long time load pages when refresh the webpage |
| Total | 26 | 22 | 4 | 0 |  |

#### **5. Key Observations**

1. **Functional Testing:**
   * All core functionalities performed as expected, except for minor defects in the PIM and Leave Management modules.
2. **UI/UX Testing:**
   * The interface was responsive and intuitive, but some error messages were misaligned on smaller screens.
3. **Security Testing:**
   * SQL injection and XSS vulnerabilities were mitigated.
   * The brute force protection mechanism requires improvement (lockout after multiple failed attempts).
4. **Performance Testing:**
   * Page load time for login and dashboard met the performance criteria (<2 seconds).
   * The application performed well under 100 concurrent users.
5. **Cross-Browser Testing:**
   * Fully functional across Chrome, Firefox, Edge, and Safari.

#### **6. Recommendations**

1. Fix the defects identified in the Authentication, PIM, and Leave modules.
2. Implement a lockout mechanism to protect against brute force attacks.
3. Optimize the Leave Management module to reduce submission delays.
4. Perform additional UI testing to ensure proper error message alignment.

#### **7. Conclusion**

The OrangeHRM application meets most functional and performance criteria, with a few minor and major defects to address. The application is stable, but improvements in security and certain modules are recommended for a better user experience.

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**Date:** [18-jan-2025]  
**Approved By:** [Anil Rajak]