### **Test Plan (OrangeHRM login section)**

### **Objective**

The primary objective of this test plan is to ensure the functionality and usability of the OrangeHRM login section. The testing will verify that users can log in with valid credentials, errors are displayed for invalid input.

### **Scope**

This test plan focuses on:

1. Functional testing of the login functionality.
2. Usability testing of the login page design and responsiveness.

### **Inclusions**

1. Validation of input fields (username and password).
2. Verification of error messages for invalid inputs.
3. Testing of password masking

### **Test Environments**

1. **Operating Systems:** Windows 10.
2. **Browsers:** Chrome, Firefox, Edge (latest versions).
3. **Devices:** Desktop and laptop.
4. **OrangeHRM Version:** OS 5.7.
5. **Network:** Stable internet connection with at least 5 Mbps.
6. **Hardware Requirements:** Minimum 4 GB RAM and i3 processor or higher.

### **Defect Reporting Procedure**

1. Log defects in an Excel sheet with columns for Defect ID, Summary, Severity, Priority, Steps to Reproduce, Status, Assigned To, and Resolution Date.
2. Update the sheet regularly to track defect progress.
3. Share the sheet with stakeholders for review.
4. Retest and update defect status after fixes.

### **Test Strategy**

The testing will include:

**Manual Testing:** For functional and usability validation.

### **Test Schedule**

| **Activity** | **Start Date** | **End Date** | **Responsible Tester** |
| --- | --- | --- | --- |
| Test Case Design | 2025-01-02 | 2025-01-05 | Shakshi Kejriwal |
| Test Execution | 2025-01-06 | 2025-01-08 | Shakshi Kejriwal |
| Defect Reporting and Retest | 2025-01-09 | 2025-01-11 | Shakshi Kejriwal |

### **Test Deliverables**

1. Test Plan Document.
2. Test Cases Document.
3. Defect Report.
4. Test Summary Report

### **Entry and Exit Criteria**

#### **Entry Criteria:**

1. The OrangeHRM login page is accessible.
2. Test environment setup is complete.
3. Valid test data is available.

#### **Exit Criteria:**

1. All planned test cases have been executed.
2. All high and critical defects are resolved.
3. Test summary report is prepared.

### **Test Execution**

#### **Entry Criteria:**

1. Test cases are reviewed and approved.
2. Test environment is set up.

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#### **Exit Criteria:**

1. All defects are logged and tracked.
2. Test results are documented.

### **Test Closure**

#### **Entry Criteria:**

1. All test deliverables are reviewed and submitted.
2. All planned tests are executed.

#### **Exit Criteria:**

1. Final test summary report is signed off.
2. All defects are resolved or accepted as known issues.

### **Tools**

1. **Browser Developer Tools:** For UI inspection and debugging.
2. **Bug Tracking Tool:** Excel.
3. **Text Editor:** Google Docs

### **Risks and Mitigations**

| **Risk** | **Mitigations** |
| --- | --- |
| Case-Sensitivity in Username Handling | Update the username validation logic to handle restricted words like "admin" in a case-insensitive manner. |

### **Approvals**

| **Role** | **Name** | **Date** | **Signature** |
| --- | --- | --- | --- |
| Test Lead |  |  |  |
| QA Manager |  |  |  |
| PM |  |  |  |