Test Summary Report

# 📝 Test Summary Report – OrangeHRM

**Project Name:** OrangeHRM Web Application  
**Test Cycle Duration:** 01-Sep-2025 to 18-Sep-2025  
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**Date:** 18-Sep-2025

# 1. Test Objectives

The objective of this testing cycle was to validate the functional correctness, usability, reliability, and error-handling capability of the OrangeHRM web application. The testing scope included all major modules that are critical to employee lifecycle management and day-to-day HR operations.

The specific goals were:

* To ensure that all **business-critical functions** such as Login, User Management, PIM, Recruitment, Dashboard, and Buzz are working as per requirements.
* To validate **system stability under normal and error conditions** (e.g., network loss, incorrect input).
* To check **compliance with functional requirements** such as password policies, session timeout, and security restrictions.
* To identify defects, analyze their severity, and provide clear documentation for fixes.

In short, the aim of this cycle was to establish whether OrangeHRM is **ready for UAT and production release**, and if not, to provide clear recommendations.

# 2. Test Execution Summary

# During this testing cycle, a total of 126 test cases were designed and executed across all modules. Out of these:

# 110 test cases passed successfully with expected results.

# 16 test cases failed, where the actual outcome deviated from the expected behavior.

# 0 test cases were blocked, as all preconditions and dependencies were satisfied.

# Execution coverage achieved was 100%, ensuring that all planned test cases were executed within the defined cycle.

# 3. Defect Summary

**Total Defects Raised:** 16

* **Open:** 16
* **Closed:** 0 (pending fixes)

**Severity Distribution:**

* 🔴 **Critical (5):**
  + Login lockout not working after failed attempts.
  + Password reset bypasses complexity rules.
  + PIM Employee Search not returning correct records.
  + Dashboard not handling network/server errors gracefully.
  + Session timeout not enforced properly.
* 🟠 **Major (7):**
  + Admin User search fails by role/username.
  + Username edit restriction not enforced.
  + Missing Leave Balance, Time, and Recruitment widgets on Dashboard.
  + Buzz Like feature missing “You liked this” confirmation.
* 🟡 **Medium/Minor (4):**
  + Candidate export feature not functioning.
  + Dashboard customization not available.
  + Generic error handling issues.
  + Low-visibility usability problems.

**Defect Trend Observation:**  
Most critical issues are concentrated around **Login, Authentication, and Data Retrieval**, which are core areas of OrangeHRM. Dashboard defects, while not blocking the system, reduce usability and employee experience.

# 4. Exit Criteria & Recommendations

 **Exit Criteria Review:**

* ✅ All planned test cases (126) executed.
* ❌ Exit criteria **not met** as 16 defects remain unresolved, including critical issues.
* ❌ Regression cycle not yet performed.
* ***Recommendations:***

1. **Do not release to production in current state.** Critical login and PIM-related bugs compromise security and core HR workflows.
2. Fix **all critical and major defects** on priority before scheduling UAT.
3. Conduct a **full regression cycle** after fixes to ensure no ripple effects.
4. Recommend an additional **round of negative and boundary testing** for Login and PIM modules.
5. Once stability is confirmed, conduct **security and performance testing** as next QA phases.

***✅ Conclusion :***

The OrangeHRM application is **functionally stable in most areas** and demonstrates a high degree of maturity with an **87% pass rate**. However, the presence of **5 critical and 7 major open defects** indicates that the application is **not production-ready** at this stage.

These issues, especially in Login, Employee Management, and Dashboard handling, directly impact **security, data integrity, and user experience**. Releasing the product in its current state could lead to **operational inefficiencies, user dissatisfaction, and potential reputational risks**.

It is strongly recommended to:

* Resolve all critical defects,
* Perform regression testing,
* Validate defect fixes,  
  before moving ahead with UAT or production rollout.

By addressing these defects, OrangeHRM can move closer to becoming a **reliable and user-friendly HR solution** that meets enterprise standards.