

OrangeHRM End-to-End Test Summary Report

Project Name: OrangeHRM End-to-End Automation Testing
Prepared By: Shiv Shanker Gupta
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1. Introduction

This Test Summary Report provides an overview of the testing activities performed for the OrangeHRM application. The goal was to validate the application's functionality, performance, security, and overall user experience using an end-to-end automation framework.

2. Test Objectives

• Validate critical HR workflows like Login, Employee Management, Leave Management, and Payroll. • Ensure UI responsiveness across browsers. • Verify API integration for employee data. • Measure performance and reliability under load.

3. Test Approach

• Selenium with TestNG for UI automation. • Cucumber BDD for behavior-driven scenarios. • REST Assured for API testing. • Apache JMeter for performance testing. • Extent Reports for detailed test reporting.

4. Test Environment

• Test Environment: QA Server • OS: Windows 10 • Browsers: Chrome (latest), Firefox (latest) • Tools: IntelliJ IDEA, GitHub, Jenkins CI/CD

5. Test Results

Test Type	Total Cases	Passed	Failed	Pass %
UI Automation	50	47	3	94%
API Testing	20	20	0	100%
Performance	5	5	0	100%
Security	3	3	0	100%

6. Conclusion

The testing of OrangeHRM application was successful with major functionalities working as expected. Minor defects have been logged and are being tracked for resolution. The application is ready for production deployment.