

TEST PLAN

Project Name - OrangeHRM



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Introduction

The aim of this project is to give an overview of the testing approach, strategies and scope for the OrangeHRM web application. This includes details like scope of the project, objective, test schedule, test deliverables and reports.

AUT: <https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

Objective

- Ensure the functionality of key features like login, logout, PIM, My Info.
- validate the usability of the website for a user experience
- verify the performance of the site ,including load times and responsiveness

Scope

This test plan covers functional testing, Performance testing, Usability testing and Compatibility testing where we do manual testing and automation testing.

Testable Features

- Login
- Admin
- PIM
- Leave
- Performance
- Directory
- Maintenance
- My Info
- Logout

Testing Approach

- Testing Types
 - Manual Testing
 - Automation Testing
- Testing Methodologies
 - Functionality Testing
 - Usability Testing
 - Performance Testing
 - Compatibility Testing
- Operating System
 - Windows 10
- Browser: Chrome, Microsoft Edge and Firefox

Roles and Responsibility

Name	Role	Responsibilities
Satyajit Sahu	Test Engineer	<ul style="list-style-type: none">✓ Understand customer requirements.✓ Write Test scenarios & Test cases.✓ Executing the Test cases.✓ Performing root cause analysis to identify underlying issues.✓ Defect tracking and reporting.
Rohit Tamta	Test Engineer	<ul style="list-style-type: none">✓ Understand customer requirements✓ Configuring and Setting up test environment.✓ Management of Automation tools.✓ Write Automation Test Scripts.✓ Executing Automation Testing.

Test Schedule

Following is the test schedule planned for the project:

Task	Time Duration
Test Plan Creation	17/01/2025
Test Scenario and Test Case Creation	18/01/2025
Test Case Execution	18/01/2025
Bug Report Creation	19/01/2025
Summary Report Submission	19/01/2025

Test Deliverables

The following are to be delivered to the client:

Deliverables	Description	Responsible Owner	Target Completion Date
Test Plan	Outlines the testing approach, strategies, and scope for the OrangeHRM application.	Masai	17/01/2025
Test Case	Test Cases were created for functional testing, performance testing, usability testing and compatibility testing.	Masai	18/01/2025
Defect Reports	A detailed description of the defects identified in different versions of the application.	Masai	19/01/2025

Entry and Exit Criteria

The below are the entry and exit criteria for every phase of Software Testing Life Cycle:

Requirement Analysis

- **Entry Criteria:** Once the testing team receives the Requirements documents and use documents of the project. Includes what functions needs to be tested and how the software should behave.
- **Exit Criteria:** The testing team should thoroughly explore and understand each requirement listed in the documents. Any doubts or uncertainties regarding the requirements should be addressed and clarified to ensure that the testing team has a clear understanding of what needs to be tested and how it should behave.

Test Planning

- **Entry Criteria:** Testable Requirements derived from the given Requirements documents. Test Plan document includes the Test Strategy, which provides a high-level overview of how testing will be conducted.
- **Exit Criteria:** The test Plan is signed off by the Client (OrangeHRM)

Test Designing

- **Entry Criteria:** The Test Plan document needs to be reviewed and approved by the client and then Test Plan Document is signed off by the Client.
- **Exit Criteria:** Test Scenarios and Test Cases Once the Documents are prepared, they need to be reviewed and signed off by the Client.

Test Execution

- **Entry Criteria:** Test Scenarios and Test Cases document needs to be reviewed and approved by the client and documents are signed-off by the Client. The application is ready for further Testing.
- **Exit Criteria:** Test Case Reports, and Defect Reports are ready.

Test Closure

- **Entry Criteria:** Test Case Reports, and Defect Reports are ready.
- **Exit Criteria:** Test Summary Reports, an overview of the entire testing process.

Tools

The following are the list of Tools we will be using in this Project:

- X mind map Tool
- Microsoft Excel
- Microsoft Word
- Spring Tool
- Selenium
- Cucumber

Approvals

Masai will send different types of documents for Client Approval like below:

- Test Plan
- Test Scenarios
- Test Cases
- Reports

Testing will only continue to the next steps once these approvals are done.