

Test Plan (<https://opensource-demo.orangehrmlive.com>)

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Objective

The objective of this test plan is to ensure the OrangeHRM application meets all functional requirements, provides a user-friendly experience, and maintains data security through automation testing.

- PHP 5.4
- jQuery 2.1.1
- JavaScript
- Database (MySQL suggested)
- Web Server (Apache suggested)

Scope

The scope of the project includes testing the following features of 'https://opensource-demo.orangehrmlive.com' web application.

Inclusions

- Login functionality
- Forgot Password functionality
- My Info > Personal Details functionality
- My Info > Profile Picture functionality
- My Info > Contact Details functionality
- My Info > Emergency Contacts functionality
- My Info > Dependents functionality

From our understanding, we believe above functional areas need to be Tested.

Test Environments

- Windows 11 – Chrome, Firefox and Edge
- Linux - Chrome, Firefox and Edge

Exclusions

- Any features or functionalities not explicitly mentioned in the "Inclusions" section are excluded from this automation testing.

Test Strategy

The testing team will follow the below approach for automation testing:

- Create automated test scripts for each of the identified scenarios using appropriate test design techniques.
- Execute automated test scripts on various supported environments and browsers.

- Perform smoke testing to ensure basic functionality is working.
- Report defects for any deviations from expected behavior.
- Perform regression testing as needed.
- Verify the working of the specified functionalities with automation scripts.
- Continuously monitor and update automated test scripts as needed.
- Follow best practices such as shift-left testing, exploratory testing, and end-to-end flow testing to enhance test coverage.

Defect Reporting Procedure

During the test execution:

- Any deviation from expected behaviour by the application will be noted. If it can't be reported as a defect, it'd be reported as an observation/issue or posed as a question.
- Any usability issues will also be reported.
- After discovery of a defect, it will be retested to verify reproducibility of the defect. Screenshots with steps to reproduce are documented.
- Every day, at the end of the test execution, defects encountered will be sent along with the observations.

Roles and Responsibilities

Name	Role	Responsibilities
Person A	Test Manager	<ul style="list-style-type: none"> • Escalations
Person B	Test Lead	<ul style="list-style-type: none"> • Create the Test Plan and get the client signoffs • Interact with the application, create and execute the test cases • Report defects • Coordinate the test execution. Verify validity of the defects being reported. • Submit daily issue updates and summary defect reports to the client. • Attend any meeting with client.
Person C	Senior Test Engineer	<ul style="list-style-type: none"> • Interact with the application

		<ul style="list-style-type: none"> • Create and Execute the Test cases. • Report defects
Person D	Test Engineer	<ul style="list-style-type: none"> • Interact with the application • Create and Execute the Test cases. • Report defects

Test Schedule

Following is the test schedule planned for the project

Task	Time Duration
Create Test Plan	29-08-2023
Test Case Creation	29-08-2023 to 31-08-2023
Test Case Execution	01-09-2023
Report Submission	04-09-2023

Test Deliverables

The following are to be delivered to the client:

Deliverables	Description	Date
Test Plan	Details on the scope of the Project, test strategy, test schedule and test deliverables	29-08-2023
Functional Test Cases	Test Cases created for the scope defined	31-08-2023
Defect Reports	Detailed description of the defects identified along with steps to reproduce on a daily basis.	-
Summary Report	Summary Reports - Bugs by Bug Bugs by Functional Area and Bugs by Priority	04-09-2023

Pricing

NA

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 or details about the Project

Exit Criteria:

- List of Requirements are explored and understood by the Testing team
- Doubts are cleared

Test Planning

Entry Criteria:

- Testable Requirements derived from the given Requirements Documents or Project details
- Doubts are cleared

Exit Criteria:

- Test Plan document (includes Test Strategy) is signed-off by the Client

Test Designing

Entry Criteria:

- Test Plan Document is signed-off by the Client

Exit Criteria:

- Test Scenarios and Test Cases Documents are signed-off by the Client

Test Execution

Entry Criteria:

- Test Scenarios and Test Cases Documents are signed-off by the Client
- Application is ready for Testing

Exit Criteria:

- Test Case Reports, Defect Reports are ready

Test Closure

Entry Criteria:

- Test Case Reports, Defect Reports are ready

Exit Criteria:

- Test Summary Reports

Suspension and Resumption Criteria

Based on the Client decision, we will suspend and resume the Project.
We will ramp up and ramp down the resources as per Client needs.

Tools

The following tools will be used for automation testing:

- Automation Testing Framework (e.g., Selenium)
- Test Management Tool (e.g., Zephyr Scale)
- Version Control System
- Integrated Development Environment (IDE)
- Cucumber (for Behavior-Driven Development)

Approvals

Team 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.