

Test Plan for OrangeHR Demo Site Automation

Test Plan Identifier

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References

- Orange Demo site :<https://www.orangehrm.com/en/>
- Cypress docs : <https://docs.cypress.io/app/get-started/why-cypress>

Introduction

This test plan outlines the approach to automate functional and UI tests for the OrangeHR demo site using Cypress.. Testing activities are organized in an Agile framework over four days, with the final day dedicated to UAT. The goal is to ensure the site meets all specified functional requirements and maintains a high-quality user interface.

Test Items

User Authentication and Management

- Login & Logout
- Add/Delete User

User Details Management

- Personal Details (add/update)
- Contact Details (add/update)
- Emergency Contact (add/delete with file attachment)
- Dependents (add/delete)
- Immigration (add/delete)
- Qualifications (add)
- Membership (add)

UI Components Validation

- Validate Company Info Element
- Validate Sidebar Components (menu items, links, icons)
- Validate Header Elements (logo, user profile dropdown, notifications)
- Validate Dashboard Elements (widgets, charts, quick-access buttons)

Features To Be Tested

Functional Tests:

- **Authentication:** Validate that users can successfully log in and log out.
- **User CRUD Operations:** Verify that the system supports adding and deleting users.
- **Details Management:** Confirm that the site correctly handles personal details, contact details, emergency contact management (including file attachment), dependents, immigration records, qualifications, and membership additions.

UI & Integration Tests:

- **Company Information:** Ensure the company info element displays correctly.
- **Navigation Elements:** Validate sidebar menu items, header elements, and dashboard components for accurate rendering and functionality.

Automation Tests:

- All tests will be automated using Cypress, following best practices for script modularity, reusability, and integration within the CI/CD pipeline.

Features Not To Be Tested

- Backend logic not exposed via the user interface.
- Non-functional tests such as performance, load, or security unless specified by future test plans.
- Minor cosmetic issues that do not affect user functionality.

Approach

UI validation:

- Use Cypress assertions (e.g., `.should('be.visible')`, `.contains('Dashboard')`) to verify elements.
- Test sidebar navigation by clicking menu items and verifying page changes.
- Check dashboard widgets for placeholder data or dynamic content.

Pass/Fail Criteria

Pass:

A test is considered passed if the actual output matches the expected output as defined in the test cases.

Fail:

A test will be marked as failed if there is any deviation from the expected result, including errors or UI malfunctions that impact functionality.

Suspension Criteria

Suspension:

Testing will be suspended if a critical defect (e.g., inability to log in) blocks further test execution.

Resumption:

Testing will resume once the defect has been fixed and validated through a verification test run.

Test Deliverables

- Cypress scripts in github repo.
- Test plan.
- Videos of executing tests.

Environmental Needs

- Cypress , Node js
- Computer with 8Ram

Staffing And Training Needs

Already covered in the bootcamp :

- Cypress basics
- Agile fundamental

Schedule

The test cycle will follow a 5-day schedule:

- **Day 1:**
 - **Focus:** Login & Logout, Add/Delete User
 - **Deliverable:** Initial automation scripts and execution logs
- **Day 2:**
 - **Focus:** Personal Details (add/update), Contact Details (add/update), Emergency Contact (add/delete with file attachment)
 - **Deliverable:** Updated test scripts and execution results
- **Day 3:**
 - **Focus:** Dependents (add/delete), Immigration (add/delete), Qualifications (add), Membership (add)
 - **Deliverable:** Expanded automation suite with defect reports
- **Day 4:**
 - **Focus:** Validate Company Info Element, Sidebar Components, Header Elements, Dashboard Elements
 - **Deliverable:** Complete regression test logs and updated scripts
- **Day 5 (UAT):**
 - **Focus:** End-user validation of the complete application
 - **Deliverable:** UAT sign-off and final test summary report

