Test Plan for OrangeHRM

Sakil ahmed

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1. Introduction

This Test Plan outlines the strategy, resources, schedule, and scope of testing activities for the OrangeHRM My Info Module. The primary objective is to validate the functionality, usability, and reliability of the module as per the Functional Requirements Specification (FRS) document.

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2. Objectives

- Ensure all functionalities of the My Info Module meet specified requirements.
- Identify and log defects to improve overall product quality.
- Validate user accessibility and data security based on role permissions.

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3. Scope of Testing

The testing scope covers the following functionalities within the My Info Module:

- **Personal Details**: Verify user can view and edit specific fields.
- **Contact Details**: Ensure accurate data entry and validation.
- **Emergency Contacts**: Validate add, edit, and delete functionality.
- **Dependents**: Test data management for dependents.
- **Immigration**: Verify passport and visa details are added and saved correctly.
- **Job Information**: Ensure proper access control to view-only fields.
- **Qualifications**: Validate the addition of work experience, education, skills, and licenses.

Note: Non-functional testing such as performance and load testing is outside the scope.

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4. Test Environment

- **Operating System**: Windows 10/11, macOS
- **Browsers**: Google Chrome (latest version), Mozilla Firefox, Microsoft Edge
- **Database**: MySQL for backend data storage
- **Tools**:
    - Jira for defect tracking
    - Postman for API testing (if applicable)

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5. Test Approach

The testing will follow a structured approach, including the following phases:

1. **Requirement Analysis**:
   - o Understand the functional requirements.
2. **Test Design**:
   - o Develop detailed test cases and scenarios.
3. **Test Execution**:
   - o Execute test cases and document results.
4. **Defect Management**:
   - o Log and track defects in Jira.
5. **Regression Testing**:
   - o Retest fixed defects and verify impacted areas.

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6. Roles and Responsibilities

- **Test Manager**:
  - o Create test plans, allocate resources, and monitor progress.
- **Test Engineers**:
  - o Design and execute test cases, report defects, and retest fixes.
- **Developers**:
  - o Resolve defects and provide feedback for unclear requirements.

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7. Test Deliverables

- Test Plan Document
- Test Scenarios and Test Cases
- Test Execution Results
- Defect Reports
- Final Test Summary Report

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8. Risks and Mitigation

- **Risk**: Incomplete or ambiguous requirements.
  - o **Mitigation**: Conduct requirement walkthroughs with stakeholders.
- **Risk**: Environment downtime during testing.
  - o **Mitigation**: Ensure backup environments are available.

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9. Approval

This Test Plan document requires approval from the following stakeholders:

- Project Manager
- QA Lead
- Relevant Stakeholders