AXSOS ACADEMY

Manual Testing Project

Test Plan

OrangeHRM
OPEN SOURCE HR MANAGEMENT

Learn About the Application

- **Application Name:** OrangeHRM.

- **Platform:** Web Browser

- **Category**: Hr. Management.

key features:

1. **My Info Module**

   - Personal Details Management.
   - Tracking Work Experience, education, and skills.
   - Restricted Access for certain fields and sensitive data.

2. **Admin Module**

   - User Management By Creating user account, and assign roles for them.
   - Job Management: Define Job Titles, pay grades, Employment Status, Job Categories, and Work Shifts.
   - Organization Setup: By Company Information and locations.
   - Qualification Management: By Configure Skills, education types, and languages.

3. **Authentication & Security**

   - RBAC (Role Based Access Control): Different permissions for Admin and User (For Authorization).
   - Secure Login: Ensure login using username, and password.

Scope:

In Scope:

- **Functionality testing for:**

  - My Info Module

  - Admin Module

  - Authentication & Security

Out of Scope:

- Performance Testing

- Mobile Testing

Test Strategy:

1- Testing Teams Roles and Responsibilities

Team Members	Responsibility
QA Test Leader	Plan and coordinate all testing activities.
QA Testers	Execute test cases, provide feedback.
Project Manager	Observe the project timeline and ensure smooth communication between the team.

2-Testing Timeline:

Day	Activity
Day 1- Phase One	Review SRS document , Identify in scope and out of scope items
Day 2- Phase Two	Prepare and finalize Test Plan
Day 3- Phase Three	Test case design-RTM
Day 4- Phase Four	Test Case Execution- execute test cases and log defects
Day 5- Phase Five	Prepare the Test Summary reports

Testing Criteria:

Entry Criteria

- Test environment setup successfully

- Test data should be prepared and loaded to the system

- The application should have basic functional features (e.g., Login, dashboard, employee management) implemented and ready for testing

Exit Criteria

- Test execution is at least 95% complete

- Documentation is complete

Testing Objectives:

1- Ensure that the Login user interface is built with a strong authentication mechanism.

2- Verify that the login user interface functions correctly and grants access only to authorized users

3- Ensure that all functionalities in the User Info Module work as intended and are ready for release.

4- Confirm that all functionalities of the Admin Module operate correctly and meet the expected requirement.

Resource Allocation:

- **Software resource**

- Trello.

- Google Sheets.

- Screen recording apps.

- **Hardware resource**

- Laptop

- iPhone

- Android mobile

Testing Environments:

- **Home WiFi Environment**
- High speed internet (100+mbps)
- **Mobile Data Environment**
- 4G and 5G connections
- **Low Network Environment**
- Slow WiFi (5-10 mbps)

Test Road Map:

1- Thoroughly read and review the Software Requirements Specification (SRS) to identify Test in Scope and out-of-scope features.

2- Create a Test plan document.

3- Break down each requirement into an individual card in Trello for task management. Each requirement should be represented as a User Story

4- Design Test Cases for the User Stories, including positive, negative, and edge scenarios

5- Create the Requirements Traceability Matrix (RTM) to track coverage and progress.

6- Execute the Test Cases.

7- Log Bug Reports for any defects found

8- Prepare a Summary Report with charts to clearly present the project status.

Test Deliverables

a) Before Testing

- Test plan document
- Test cases

b) During Testing

- Daily progress reports

c) After Testing

- Final test report
- Performance results
- Release notes