TEST PLAN

Product Name: OrangeHRM (Recruitment & Leave)

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Overview

This document serves as high level test planning document with details on the scope of the project, test strategy, test schedule and resource requirements, test deliverables and schedule.

Scope

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

Inclusions

- Leave (Admin & user)
- Recruitment

Exclusions

- All the features except that are mentioned under 'Inclusions'
- Any third-party features or Payment gateways
- Test Automation

Test Environments

- Windows 10 – Edge Browser

Test Strategy

As part of Functional Testing, we will follow the below approach for Testing:

Step#1 – Creation of Test Scenarios and Test Cases for the different features in scope.

- We will apply several Test Designing techniques while creating Test Cases
  - Equivalence Class Partition, To Test any field that has many data choices
  - Boundary Value Analysis
  - Decision Table Testing, To validate that all condition's in "Recruitment" works
  - Use Case Testing, by applying RTM document

- We also use our expertise in creating Test Cases by applying the below:
  - Error Guessing
  - Exploratory Testing

Step#2 – Our Testing process, when we get an Application for Testing:

- Firstly, we will perform Smoke Testing to check whether the different and important functionalities of the application are working.
- We reject the build, if the Smoke Testing fails and will wait for the stable build before performing in depth testing of the application functionalities.
- Once we receive a stable build, which passes Smoke Testing, we perform in depth testing using the Test Cases created.

- We then report the bugs in bug tracking tool and send dev. management the defect found on that day in a status end of the day email.

- As part of the Testing, we will perform the below types of Testing:

  - Smoke Testing and Sanity Testing
  - Regression Testing and Retesting
  - Usability Testing, Functionality & UI Testing
- We repeat Test Cycles until we get the quality product.

Step#3 – We will follow the below best practices to make our Testing better:

- Context Driven Testing – We will be performing Testing as per the context of the given application.

- Exploratory Testing – Using our expertise we will perform Exploratory Testing, apart from the normal execution of the Test cases.

- End to End Flow Testing – We will test the end-to-end scenario which involve multiple functionalities to simulate the end user flows.

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.

Note:

- Defects will be documented in a excel.
- Test scenarios and Test cases will be documented in an excel document.

Roles/Responsibilities

Name	Role	Responsibilities
Eng.Tofail	Test Manager	✓ Escalations
Wessam	End - To - End Tester	✓ 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.
		✓ 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
▪ Creating Test Plan	1/5/2023 - 1/6/2023
▪ Test Case Creation	1/6/2023 - 1/8/2023
▪ Test Case Execution	1/9/2023 - 1/9/2023
▪ Summary Reports Submission	1/9/2023 - 1/10/2023

Test Deliverables

The following are to be delivered to the client:

Deliverables	Description	Target Completion Date
Test Plan	Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule	1/6/2023
Functional Test Cases	Test Cases created for the scope defined	1/8/2023
Defect Reports	Detailed description of the defects identified along with screenshots and steps to reproduce on a daily basis.	1/9/2023
Summary Reports	Summary Reports - Bugs by Bug#, Bugs by Functional Area and Bugs by Priority and severity	1/10/2023

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
- RTM (Tracebelity Matrix) Creation

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)

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

- Edge Browser
- Google sheets and Google docs
- Snipping Screenshot Tool
- Word and Excel documents

Risks and Mitigations

The following are the list of risks possible and the ways to mitigate them:

Risk: Non-Availability of a needed tool

Mitigation: find a look-alike tool to compromise

Risk: Non-Availability of the resource

Mitigation: Resource will work extra time outside of work hours

Risk: Less time for Testing

Mitigation: Resource will execute the most prior functionalities.

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.