

# TEST PLAN FOR



## *Revision History*

Version	Change Date	By	Description
version number	Date of Change	Name of person who made changes	Description of the changes made
1.0	29-12-2022		

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# 1 Introduction

The Detailed Test Plan (DTP) contains a detailed and executable strategy for managing the Employee details.

Target is to make sure that every detailed information of the employee should be logged in the system using Admin authority.

## 1.1 Scope

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### 1.11 In Scope

This test activity focuses on the following:

1. Admin activity such as access level, Manage Employee and Configuration.
2. Personal information of the employee should be stored and Display
3. Employee must be able to update the vital information like Personal Details, Contact details, Dependent, Immigration, Job, Salary and Qualification.

### 1.12 Out of Scope

1. Leave module
2. Time Module
3. Recruitment Module

## 1.2 Quality Objective

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objectives of the testing project is

- Ensure the Application Under Test conforms to functional and non-functional requirements
- Ensure the AUT meets the quality specifications defined by the client
- Bugs/issues are identified and fixed before go live

## Testing Objectives

The objectives of testing are as follows:

- Admin is able to set the access level and other details of the employee
- Admin is able to add the personal info of the employee and can also view, update and delete
- Admin is able to view, update and delete the General Information of Orange HRM
- locations and structure of the Tie-up Companies
- Admin is able to view, update and delete the details like Skills, Education, Licenses, Languages and Memberships

## 1.3 Roles and Responsibilities

Detail description of the Roles and responsibilities of different team members are as follows:

Roles	Responsibilities
Project Manger	Create the Test Plan, Test Strategy and Test Closure Report
Project Lead	Involved in Test Plan, Test Case Design, RTM and Metrics.
QA	Execution of Test Cases, Updating the RTM, creating the Bug Reports and Daily/Weekly Test Reports.

## 1.4 Test Schedule

TASK	TIME DURATION
Creation of Test Plan and Test Strategy	26-12-2022 to 27-12-2022
RTM	28-12-2022 to 29-12-2022
Test Case Design	30-12-2022 to 03-01-2023
Test Case Execution	04-01-2023 to 06-01-2023
Bug Report	07-01-2023 to 08-01-2023
Test Summary Report	09-01-2023 to 10-01-2023

## 2 Test Methodology

### 2.1 Overview

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The test methodology selected for the project is

➤ Agile Model

Reasons are as follows:

- Application is complicated and big
- It is used when there are frequent changes that need to be implemented.
- Low-regulatory-requirement projects
- Projects with not very strict existing process
- Projects where the product owner is highly accessible
- Projects with flexible timelines and budget

This software Engineering model is one of the simplest and effective processes to turn a vision for a business need into software solutions. It promotes continuous iteration of development and testing throughout the software development lifecycle of the project. Agile model emphasizes continual planning, learning, improvement, team collaboration, evolutionary development, and early delivery. It encourages flexible responses to change.

### 2.2 Bug Triage

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The goal of the triage is to

- To define the type of resolution for each bug
- To prioritize bugs and determine a schedule for all “To Be Fixed Bugs”.

### 2.3 Suspension Criteria and Resumption Requirements

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Testing will halt for a particular project item (or function) when:

- A critical problem is identified and where the potential code fix will require substantial re-testing of that function

- It is identified that the business or technical specifications require major modifications due to escalated test issues and those modifications would require additional test analysis and or modification to the Detailed Test Plan.
- The test regions or test environment are not available (for any reason).
- 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

## 2.4 Entry and Exit Criteria

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### 1. 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

### 2. 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

### 3. 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

### 4. 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

## 5. Test Closure

Entry Criteria:

- Test Case Reports, Defect Reports are ready

Exit Criteria:

- Test Summary Reports

## 2.5 Test Completeness

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Here you define the criterias that will deem your testing complete.

- Test Plan document (includes Test Strategy) is signed-off by the Client
- Test Scenarios and Test Cases Documents are signed-off by the Client
- Test Case Reports, Defect Reports are ready
- 100% test coverage
- All Test cases executed
- All open bugs are fixed or will be fixed in next release
- RTM should be Updated
- Test Summary Reports

# 3 Test Deliverables

Test Artifacts that will be delivered during different phases of the testing lifecycles are given below

The deliverables (Artifacts) are:

- Test Plan
- Test Strategy
- Requirement Traceability Matrix
- Test Cases and Execution
- Bug Reports

- Test Metrics
- Test Summary
- Client Sign Off

## 4 Resource & Environment Needs

### 4.1 Testing Tools

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- Project Management Tool- JIRA
- Bug Tracking Tool- JIRA
- Automation Tool- Selenium

### 4.2 Test Environment

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Following software's are required in addition to client-specific software.

- Windows 11 – Chrome (Version 108.0.5359.125) and Edge (Version 108.0.1462.54)
- Windows 10 – Chrome (Version 108.0.5359.125) and Edge (Version 108.0.1462.54)

## 5 Risks and Mitigations

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

- ✓ Risk: Non-Availability of a Resource
- ✓ Mitigation: Backup Resource Planning
- ✓ Risk: Build URL is not working
- ✓ Mitigation: Resources will work on other tasks
- ✓ Risk: Less time for Testing
- ✓ Mitigation: Ramp up the resources based on the Client needs dynamically



## 6 Terms/Acronyms

Make a mention of any terms or acronyms used in the project

TERM/ACRONYM	DEFINITION
AUT	Application Under Test