**PROJECT DOCUMENT**

**Summary**

This project contains the automated unit test cases to test some of the functionalities of OrangeHRM portal as described in the document available in following link.

**Project Description**:

[https://docs.google.com/document/d/11aHRJiFGg5lp7LSf2dTQ2VAPh0gFagivnDtTEBVzqzI/edit#](https://docs.google.com/document/d/11aHRJiFGg5lp7LSf2dTQ2VAPh0gFagivnDtTEBVzqzI/edit)

**IDE Used**: PyCharm 2023.2.4

**Python version**:3.12.0

**Web Page URL**: https://opensourcedemo.orangehrmlive.com/web/index.php/auth/login

**Run:**

This python project contains five directories Testcases, Testpages, TestData, TestResult, Utility\_files. Run each unittest files separately under Testcases directory to get the Test Results

**Testcases**:

This directory contains three unit test python files which should be ran separately to get the test results.

1. **AdminPageTest.py**

**Test Objective**:

This module contains the test method to validate the menu options displayed in Admin Page.

**Test Data**:

Options\_list: ["User Management", "Job", "Organization", "Qualifications", "Nationalities", "Corporate Branding", "Configuration"]

**Test Setup**:

Launch OrangeHRM Web Page URL

Login as Admin using valid Admin credentials

**Test\_admin\_page method**:

Test whether the options list given in test data are viewable in Admin Page

Test Result:

Pass -If options list is viewable in Admin Page

Fail- Even if any one the item in options list is not viewable

1. **ForgotPasswordTest.py**

**Test Objective**:

This module contains the three test methods to validate the forgot password link in Login Page.

**Test SetUp**:

Launch OrangeHRM web page URL

**Test Data**:

Success message: “Reset Password link sent successfully”

**Test\_ResetPassword method**:

This method validates the following scenarios

* When the forgot password link is clicked it should be navigated to Reset Password page
* When the valid username is given in username textbox and reset password button is clicked, a reset password successful message should be displayed

Test Result:

Pass: If both the above mentioned validation happens

Fail: If any one the above mentioned validation fails

**Test\_username\_required\_tip method**:

This method validates whether the username required tip appears when the user name text box is empty and reset password button is clicked

Test Result:

Pass: if username required tool tip appears

Fail: If username required tool tip not found

**Test\_cancel\_button method**:

This method validates the cancel button in Reset Password Page. When the button is clicked it should navigate back to home page(i.e)Login Page

Test Result:

Pass: if above mentioned validation passes

Fail: If above mentioned validation fails

1. **MenuListTest.py**

**Test Objective**:

This module contains the test method to validate the menu options displayed in side pane of Dashboard Page.

T**est Data**:

menu\_list: ["Admin","PIM","Leave","Time","Recruitment","My Info","Performance","Dashboard","Directory","Maintenance","Buzz","Claim"]

**Test Setup**:

Launch OrangeHRM Web Page URL

Login as Admin using valid Admin credentials

**Test\_admin\_page method**:

Test whether the menu options list given in test data are viewable in side pane of Dashboard Page

Test Result:

Pass -If menu list is viewable in Dashboard Page

Fail- Even if any one the item in menu list is not viewable

**Test Pages**:

POM Model has been implemented and hence each page involved in the above mentioned testcases has created as a class and saved under Test Pages Directory. There are five test pages created under this directory

* AdminPage
* DashboardPage
* LoginPage
* ResetPasswordPage
* ResetSuccessfullPage

Each page contains its corresponding element locators and actions to be performed on that elements

**TestData:**

This directory contains the “AdminPageData.json” which contains all the test data in <dict> data type format.

**Test Result:**

This directory contains the screenshots of successful tests in Screenshots folder and screenshots of unsuccessful tests in Failed Screenshots folder

**Utility Files:**

This directory contains the two python files which contains the common utility methods to be used by other python files in the Testpages and Testcases folder.