Project – Human Resource Management(Automation)

Introduction:
Orange HRM is a comprehensive Human Resource Management (HRM) System that captures all the essential functionalities required for any enterprise.

Domain: Human Resource Management

Human Resource Management is a product which offers services like below:
Adding the new employees
Modifying existing employees
Deleting existing employees
Searching employees
Raising request for hiring new employee
Approving new request
Submitting time sheet
Approving time sheet etc…

Modules: Login, Admin, PIM, Time, Leave, Recruitment, My Info, Performance, Dashboard, Directory, Maintenance, Claim, Buzz
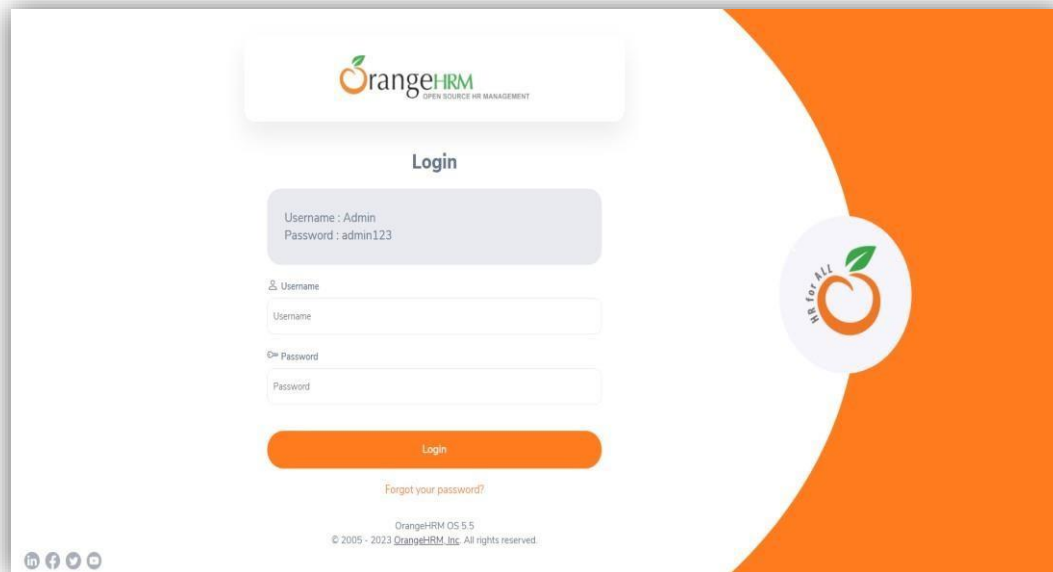
Modules In Scope for Automation Testing
1. Login
2. Admin
      2.1. UserManagement

Objective: As a tester you need to understand below requirements and prepare automation script for the same using Selenium and TestNG

Note : Both scenarios are different.

Below are the requirements for Orange HRM application:
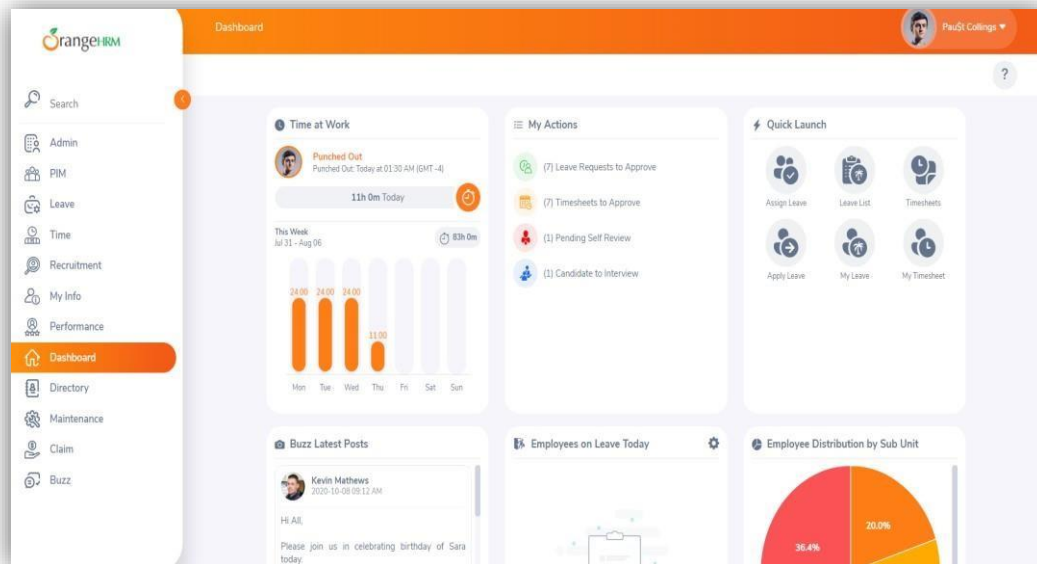
Module 1.Login

Scenario1: Automate Orange HRM login and logout with 5 different data set including valid and invalid data set.
1. **Save data set in Excel file**
2. **Write a script to read data from excel**
3. **Prepare script for Login and logout**
4. **Perform assertion for valid data set (use Username: Admin and Password:admin123) test case should be pass and invalid data set (other than given data) test case should be fail.**
5. **Capture Screenshot for every login functionality**
6. **Generate Extent Report for the same.**

1. **From Dashboard page Click on Admin Option**

Module 2. Admin

Admin: This module should have below features

User Management, Job, Organization, Qualifications, Nationalities, Corporate Banking, Configuration
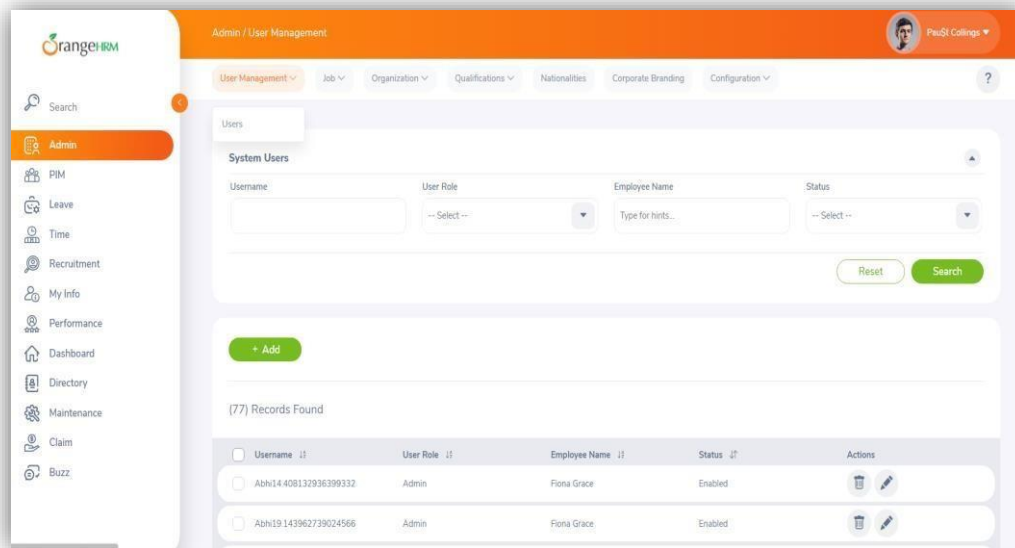
2.1.User Management:

User should be able to search Employee as per requirement

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For reference screenshots are given.

Once user click on Admin module below screen for User management should be appear

Scenario 2: Create a Page Object Model for two pages LoginPage and Admin Page and write automation script for Login functionality and Admin search feature

> Create a Page and Class for LoginPage and automate the functionality of OrangeHRM login for Valid Test Data: (username: Admin and Password: admin123).

> Create a Page and class for Admin where you can prepare 4 important test cases

1. Create testcase to get all 12 options from left side menu and print the count which should be 12 from that list click on Admin then Admin page get open.

2. Create test case for search For Existing Employee searchByUserName() : here send username Admin to username text box and click on search button and display total record found and refresh page.

3. Create test case for search For Existing Employee searchByUserRole() : here automate dropdown and select Role Admin and click on search button and display total record found and refresh page.

4. Create test case for search For Existing Employee searchByUserStatus() : here automate dropdown and select status Enabled or Disabled then click on search button and display total record found.

Note: In the Second scenario use Selenium +TestNG and Design Page Object Model where you can implement Object Oriented Principle