Capstone Project - Human Resource Management Domain Project Requirements

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 that offers services like below:
Adding new employees
Modifying existing employees
Deleting existing employees
Searching employees
Raising request for hiring new employee
Approving new request
Submitting time sheet
Approving timesheet etc.

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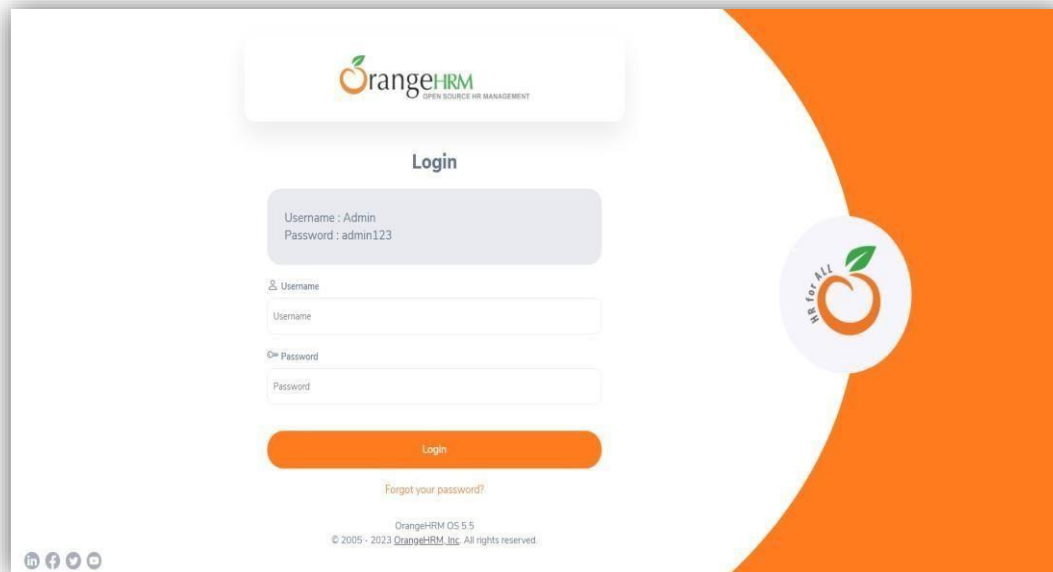
Modules In Scope for Automation Testing
1. Login
2. Admin
   2.1. User Management

Objective: As a tester, you need to understand the below requirements and prepare an Automation script for thesame using Selenium and TestNG

Note: Both scenarios are different.

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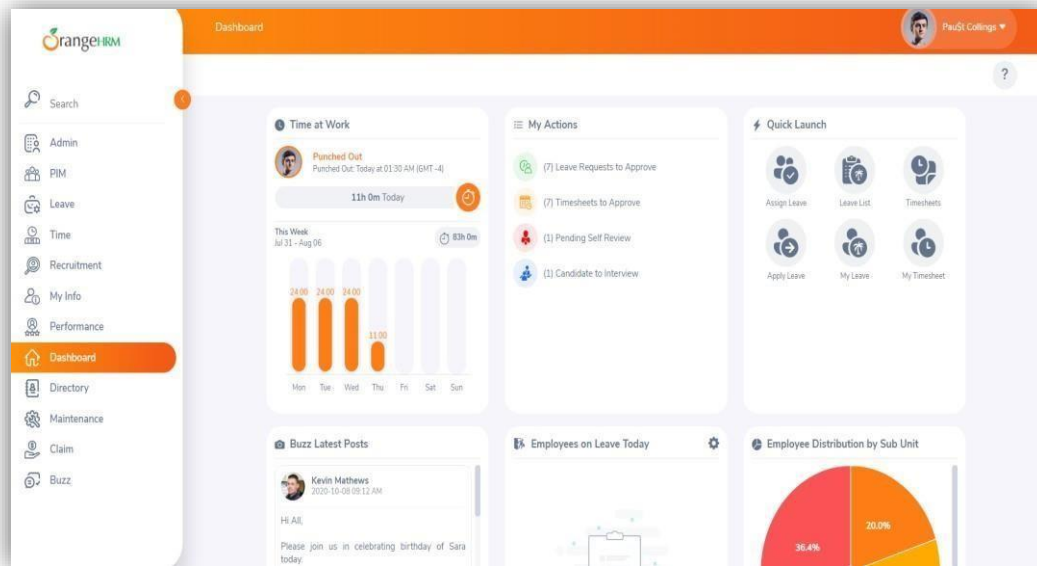
Module 1. Login

Scenario 1: Automate Orange HRM login and logout with 5 different data sets including valid and invalid data sets.

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

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

Module 2. Admin
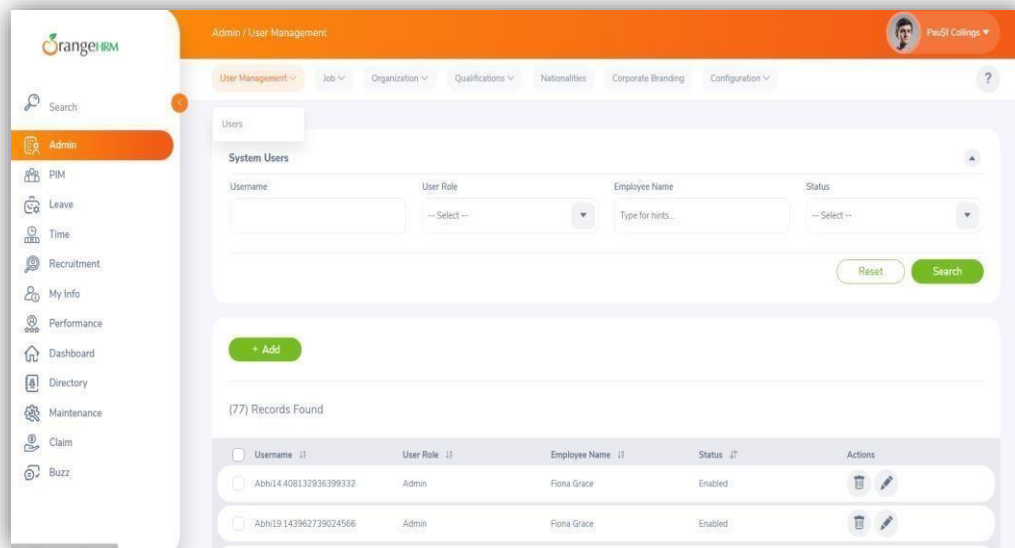

Admin: This module should have the following features:
User Management, Job, Organization, Qualifications, Nationalities, Corporate Banking, and Configuration.

2.1. **User Management**:
The user should be able to search Employee as per requirement.
For reference screenshots are given.
Once the user clicks on the Admin module below screen for User management should appear.

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

Create a Page and Class for the Login Page and automate the functionality of Orange HRM login for ValidTest Data: (username: Admin and Password: admin123).

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

1. Create a test case to get all 12 options from the left side menu and print the count which should be 12from that list click on Admin then the Admin page will open.
2. Create test case for search For Existing Employee search ByUserName(): here send username Admin to username text box and click on the search button and display total record found and refresh page.
3. Create test case for search For Existing Employee search ByUserRole(): here automate dropdown and select Role Admin and click on the search button and display the total record found and refresh the page.
4. Create test case for search For Existing Employee search ByUserStatus(): here automate dropdownand select status Enabled or Disabled then click on the search button and display the total record found.

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