Manual Testing OrangeHRM

Project Based Experience Learning Program

SRI VENKATESWARA COLLEGE OF ENGINEERING

Project submitted by:-

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Orange HRM Manual Testing

Orange HRM is an open HR management software it deals with all resource management activities like Leave ,Timesheet maintenance, Recruitment process, performance monitoring, maintain employee complete information, Personal information management, Dashboard of complete organization employee data etc.

We have different login mechanism as an admin, we can login and monitor all the employee information we can keep track of all information related to organization. It also deals with compensation, Talent Management, Culture.

Orange HRM Dashboard:

Link: https://opensource-demo.orangehrmlive.com/web/index.php/dashboard/index
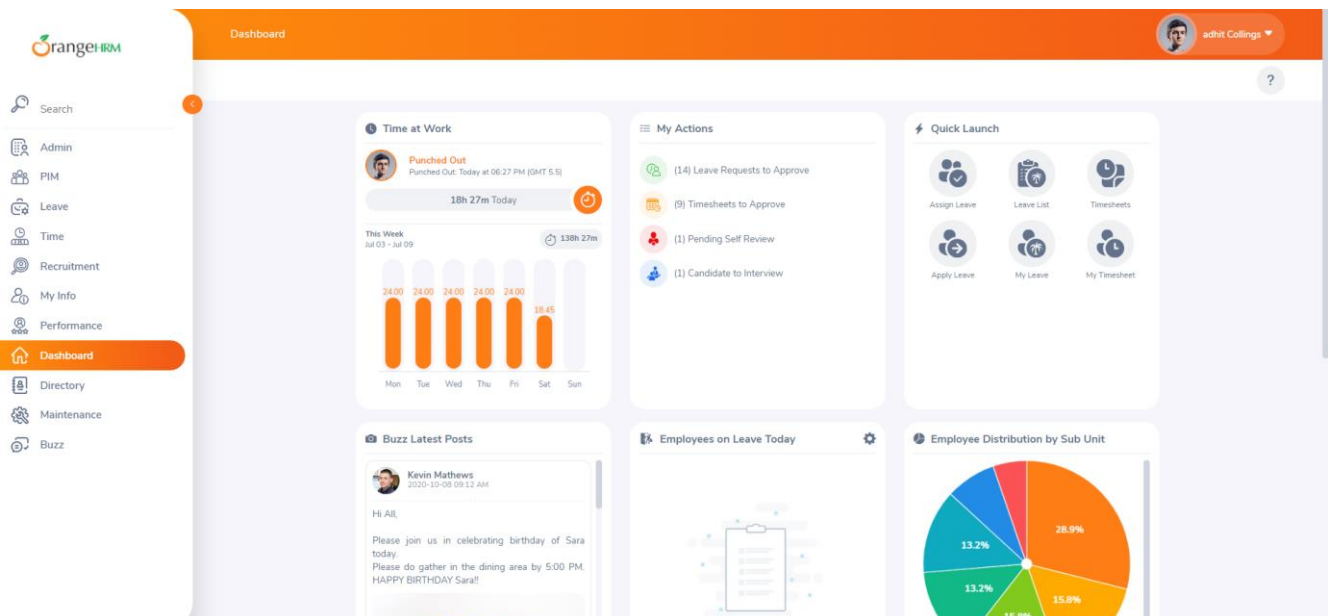
Project Flow:

- Admin User can login as an admin and view all the modules inside
- Admin User can see dashboard of organization and monitor various management
- Admin User can see personal information of all employees in the organization
- Admin User can approve timesheets, Leaves based on rules applicable for employees

Modules Structure:

We have different modules in this all the modules are listed below,

- Admin
  - User management
  - Job
  - Organization
  - Qualifications
  - Nationalities
  - Corporate Branding
  - Configuration

- PIM
  - Configuration
  - Employee List
  - Add Employee
  - Reports

- Leave
  - Apply
  - My Leave
  - Entitlements
  - Reports
  - Configure
  - Leave List
  - Assign Leave

- Time
  - Timesheets
  - Attendance
  - Reports
  - Project Info

- Dashboard
  - Time at work
  - My Actions
  - Quick Launch
  - Buzz Latest Posts
  - Employee on Leave Today
  - Employee Distributions by Sub Unit

Milestone 1: Verifying Login Module

Activity 1.1: Admin user can log into application by entering valid credentials

Verify Loin screen text elements in terms of color ,font ,spacing between words, design and alignment
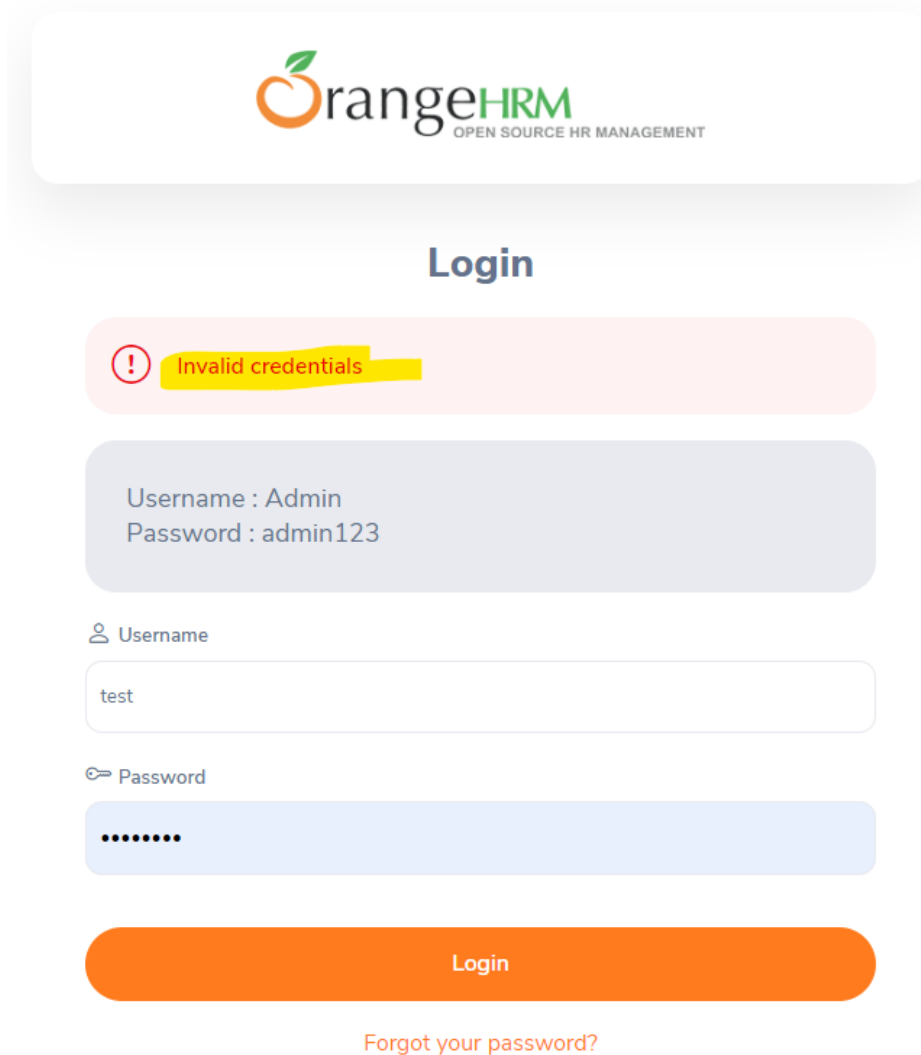
Test data:
username: Admin
Password: admin123

Link:

Activity 1.2: Admin user can log into application by entering invalid credentials ,application has to show invalid credentials message
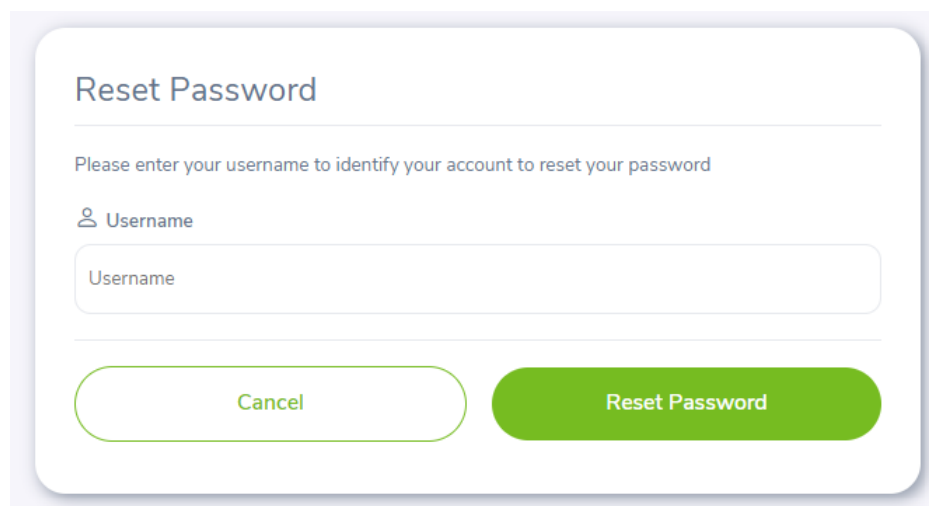
Activity 2: Verify user is able to reset password by click on Forgot your password? Link
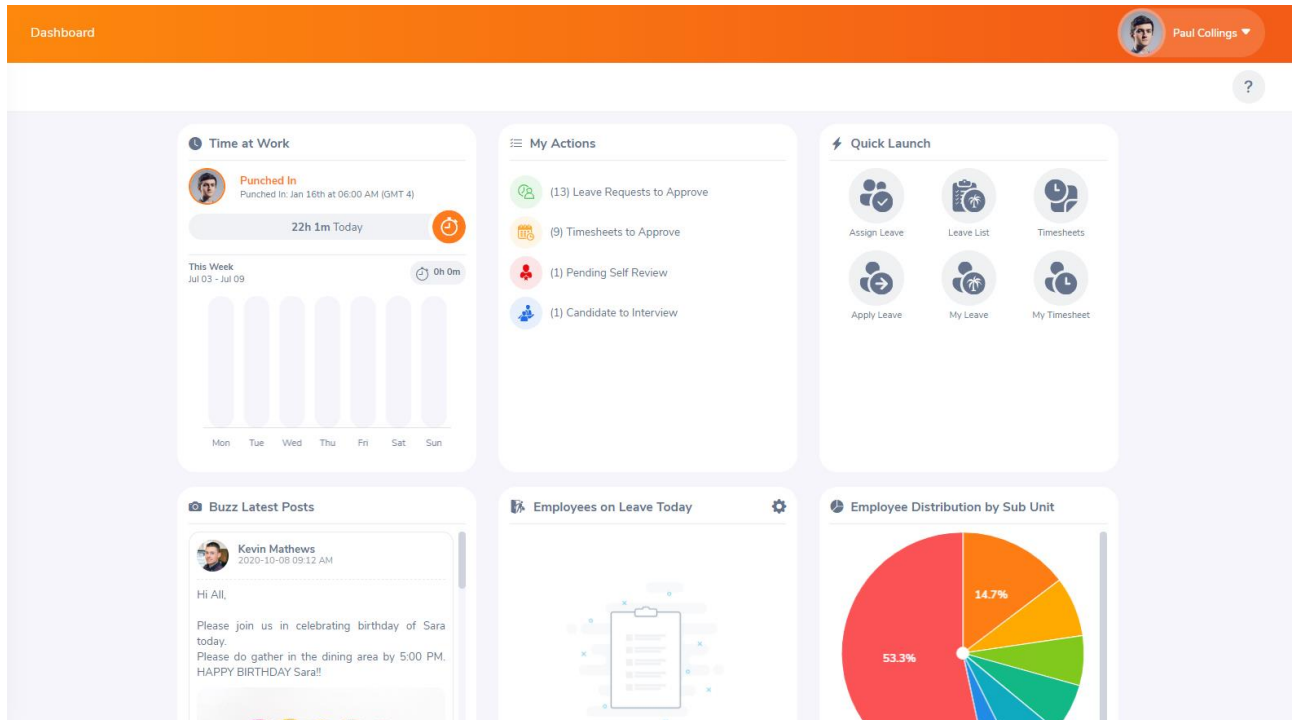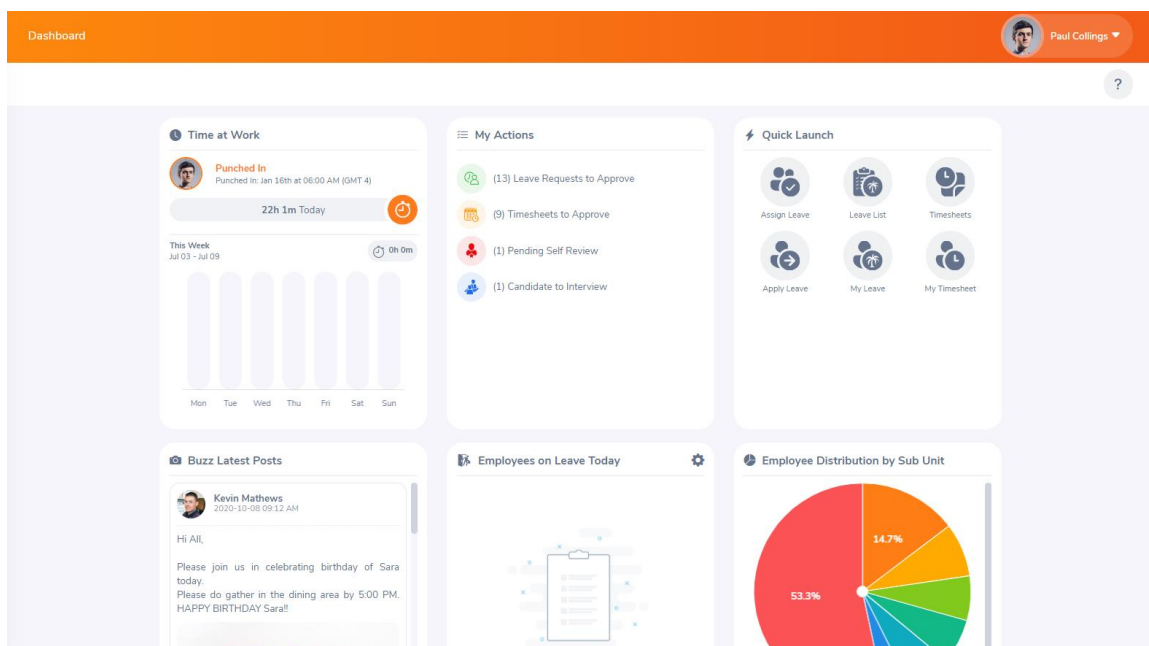
Milestone 2: Verifying Dashboard Module

Activity 1: Under Dashboard Module we have different sub modules/sections, user can verify individual sections font, alignment, color and each individual clickable links

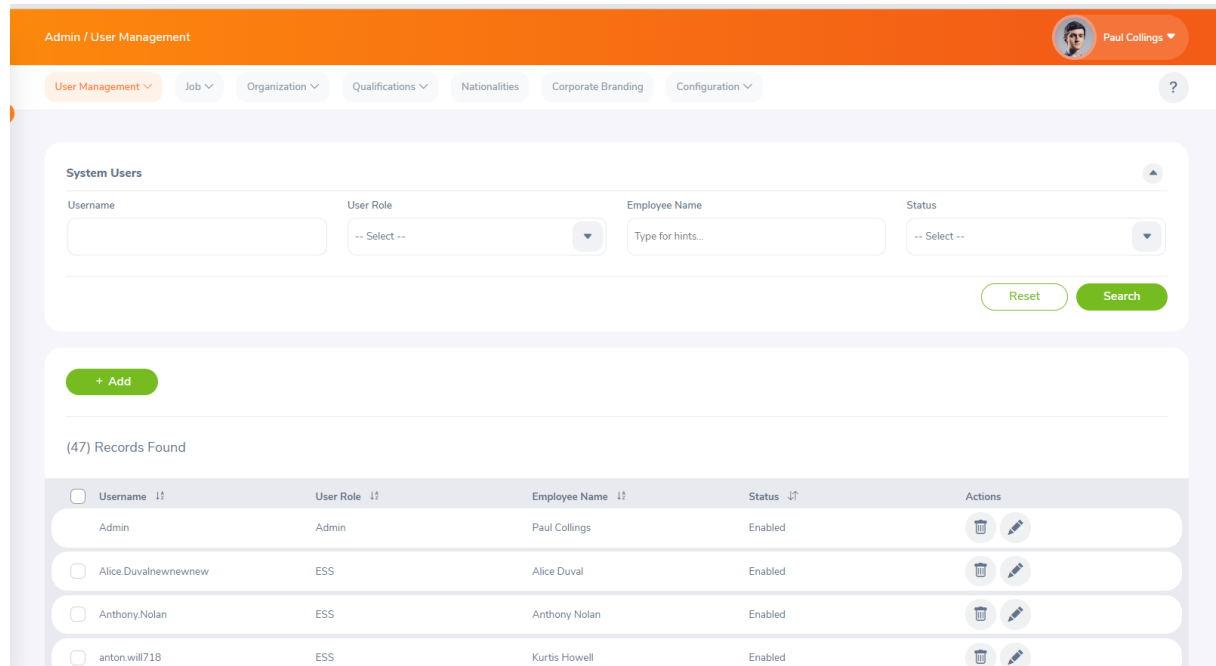Link: https://opensource-demo.orangehrmlive.com/web/index.php/dashboard/index

Activity 2:Admin can see and monitor everything on Dashboard which consists of different sections and when user clicks on any link it has to navigate to respective page and show the content without any issue.

Link: https://opensource-demo.orangehrmlive.com/web/index.php/dashboard/index

Milestone 3: Verifying Admin Module

Activity 1: Under Admin Module we have different sub modules/sections, user can verify individual sections font, alignment, color and each individual clickable links Verifying login page functionality and UI elements on the page
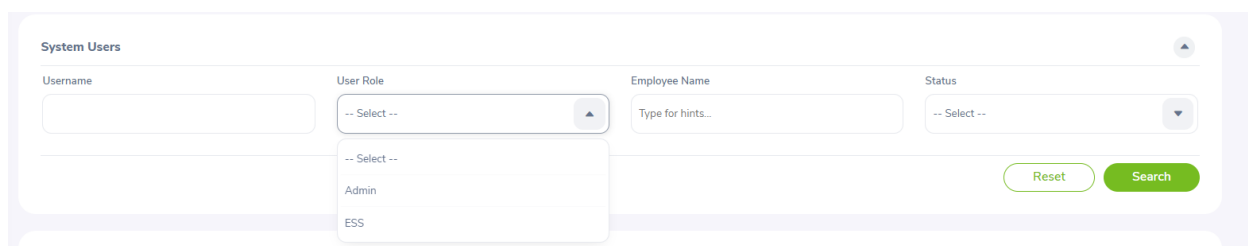

Link: https://opensource-demo.orangehrmlive.com/web/index.php/admin/viewSystemUsers

Activity 2: Verifying user is able to select different filters under system users section

Link: https://opensource-demo.orangehrmlive.com/web/index.php/admin/viewSystemUsers

Activity 3: Verifying Reset, Search & +Add button functionality and verify font, color alignment of each individual buttons

Link: https://opensource-demo.orangehrmlive.com/web/index.php/admin/viewSystemUsers

Milestone 4: Verifying Leave Module

Activity 1: Verify Under Leave Module we have different sub modules/sections, user can verify individual sections font, alignment, color and each individual clickable links Verifying login page functionality and UI elements on the page

Link: https://opensource-demo.orangehrmlive.com/web/index.php/leave/viewLeaveList

Activity 2: Verifying user is able to select different date pickers ,dropdown toggle button functionality

Link: https://opensource-demo.orangehrmlive.com/web/index.php/leave/viewLeaveList

Activity 3:Verify user is able to Approve , Reject leave request available in results section by clicking on the approve/reject buttons

Link: https://opensource-demo.orangehrmlive.com/web/index.php/leave/viewLeaveList

Milestone 5: Verifying Time/Timesheets Module

Activity 1: Verify Under Time Module we have different sub modules/sections, user can verify individual sections font, alignment, color and each individual clickable links Verifying login page functionality and UI elements on the page

Link: https://opensource-demo.orangehrmlive.com/web/index.php/time/viewEmployeeTimesheet

Activity 2: Verifying user able to click on View button and font color, alignment of 'View' button

Link: https://opensource-demo.orangehrmlive.com/web/index.php/time/viewEmployeeTimesheet

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Activity 3: Verifying user able to view time sheet for selected period when user clicked on 'view' module

Link: https://opensource-demo.orangehrmlive.com/web/index.php/time/viewTimesheet/employeeId/7?startDate=2023-01-16

Final Testing Areas:

1. Test the Home page elements color, font, alignment, design
2. Test the Login page functionality
3. Test the Dashboard functionality
4. Test the Dashboard individual section functionality
5. Test the admin module functionality
6. Test the Leave module functionality
7. Test the Time/Timesheet module functionality
8. Test the individual dropdown features in respective pages
9. Test the Date pickers functionality
10. Test the buttons in individual pages functionalities

Automation Testing OrangeHRM
Project based experience learning program

OrangeHRM Automation Testing Project

About OrangeHRM: -

OrangeHRM provides a world-class HRIS experience and offers everything you and your team need to be the HR heroes you know you are. From talent management to culture, to people management and compensation, OrangeHRM helps thousands of businesses around the world be great places to work.

People Management

Between managing the fires around your business or having to track all of that paperwork, HR can be a really demanding career. With people management you get everything that you and your team needs to succeed. You'll be able to unlock things like reporting, Org Chart, employee data, and so much more. Click below on one of the areas to get into the weeds of what is available.

Table of Contents

Introduction

The OrangeHRM project is a Katalon automation project that utilizes the Selenium framework for automating web interactions. This documentation provides an overview of the project, instructions for installation and configuration, details about the project structure, and examples of test cases.

Project Overview

The OrangeHRM project aims to automate various tasks on the OrangeHRM website. It leverages Katalon studio, a powerful web automation tool, to interact with web elements and perform actions such as clicking buttons, filling forms, and extracting data.

Milestone 1: Getting Started

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Explain the prerequisites and setup required to run the project.

Activity 1:-Prerequisites
Before getting started with the OrangeHRM project, ensure you have the following prerequisites:
List the software and tools that need to be installed before running the project, such as:
- **Katalon Studio (Latest Version)**
- **Any other dependencies**

Activity 2:-Installation
To install the necessary dependencies for the OrangeHRM automation project, follow these steps:

Activity 2.1:- Install Katalon Studio: Visit the Katalon Studio website (https://katalon.com/download) and download the latest version of Katalon Studio. Follow the installation instructions for your operating system.
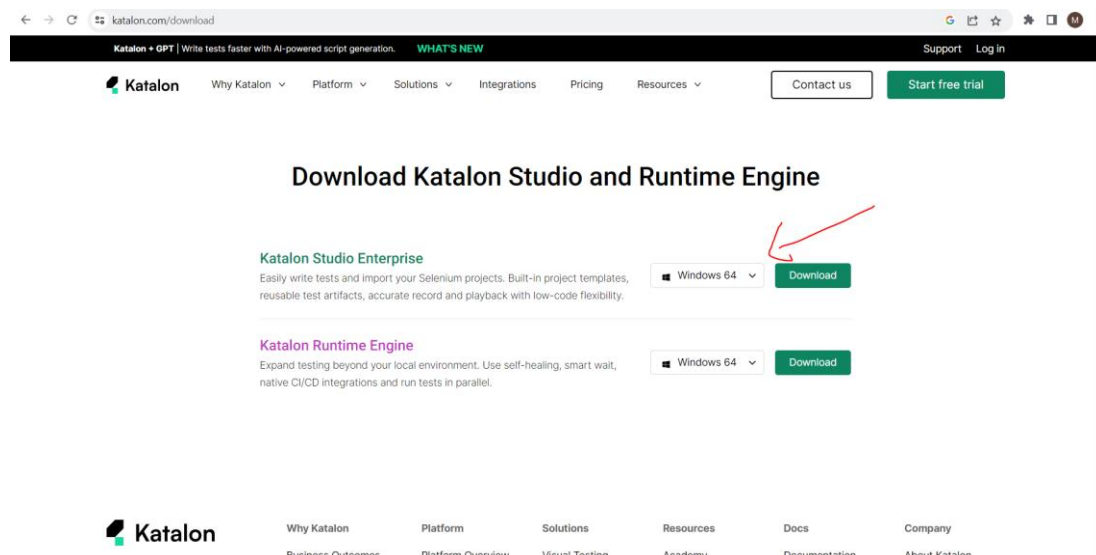

After downloading Katalon Studio and extracting the contents from the zip file, locate the folder where you extracted it.
In that folder, look for the "**katalon.exe**" file. This file is the executable for Katalon Studio.
Double-click on the "**katalon.exe**" file to launch Katalon Studio. It may take a few moments to start up.
Once **Katalon Studio** is launched, you can start creating or opening your project by selecting "File" from the menu bar and choosing either "**New Project**" or "Open Project" based on your requirements.
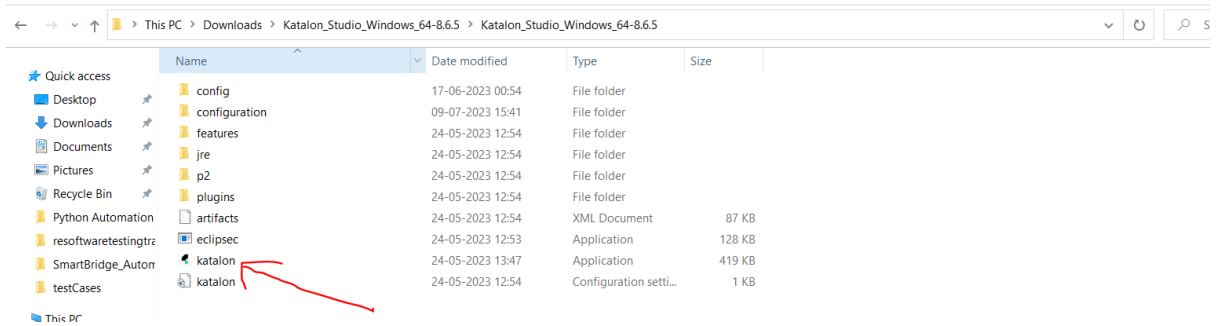
Activity 2.2:- Download and install **gitbash** from https://git-scm.com/download/win
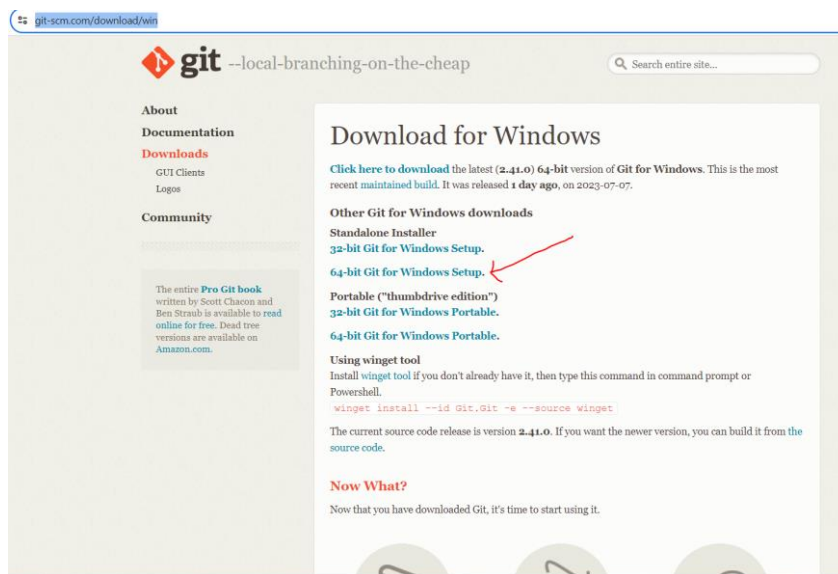
Activity 2.3:-

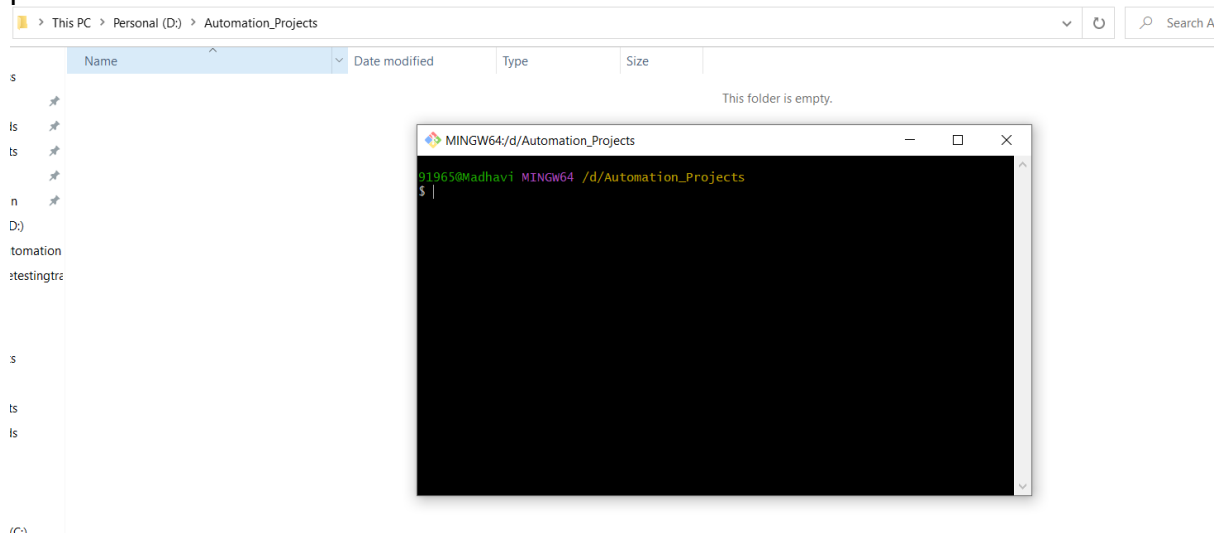Go to the desired location where you want to create the folder, such as Desktop.
Folder name like eg…(Automation_Testing_Project)
Open the folder-→ Right click with in the folder and select open gitbash here, you will get pop up like below and clone the repository based on the next steps provided below.

Activity 3:- Project Setup

Explained how to set up the project locally, including steps like:
Before cloning the project create project like below in Katalon Studio.
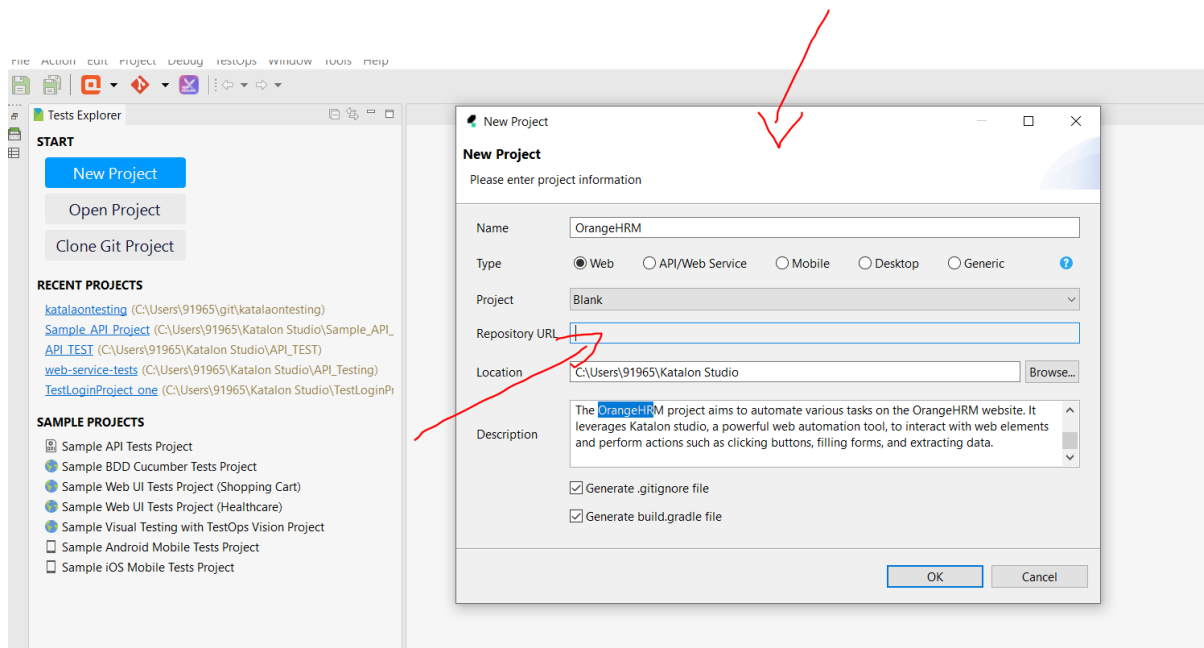
Activity 3.1:- Clone the repository from github.

Activity 3.2:- Enter the repository URL and click ok. Repo URL provided below.
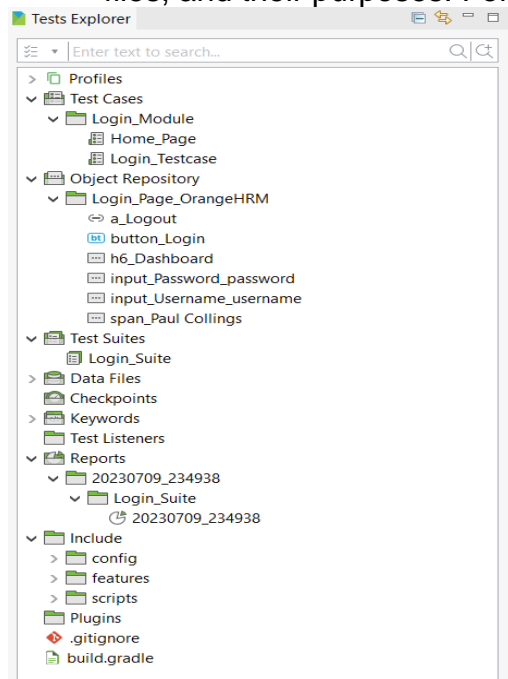
Activity 3.3:- Clone the OrangeHRM project repository from [repository URL].

https://github.com/viswatesting123/SmartBridge_Automation_Projects.git

Activity 3.4:- Configuration settings (if any)

Milestone 2: Project Structure

Activity 1:-Explained the structure of the project, including directories and files, and their purposes. For example:

- **testscases/**: Directory containing test scripts
- **ObjectRepository/**: Directory containing page object models
- **testSuites/**: Directory containing run multiple test cases
- **reports/**: Directory containing test reports
- **datafiles/**: Directory containing test data (**ex:excel,csv,text,json files**) related to project
- **Run :- Option to run all the testcases from the top quick access tool bar.**

Activity 2:-Writing Test Cases
Explained how to write test cases using Katalon Studio(it uses internally java,groovy script). Provide examples of different types of test cases, such as:
- Test case 1: Home Page functionality
  Screenshot of the code:
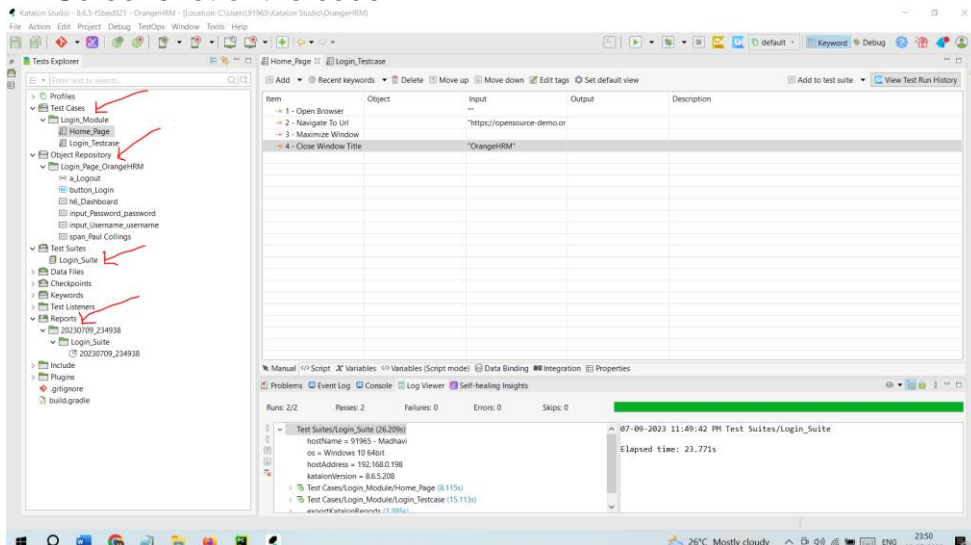
- Test case 2: Register new user functionality
- **Add new testcases as per Manual testcases prepared.**
  Include best practices for writing maintainable and readable test cases.
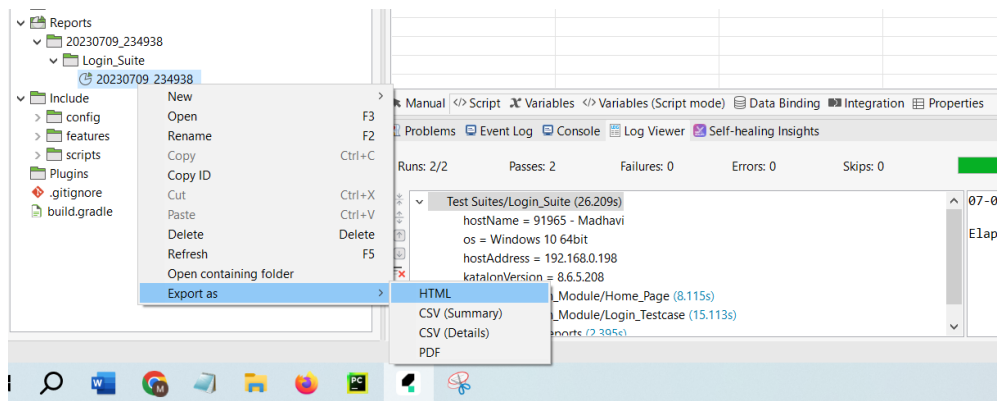
Milestone 3: Running Tests
Explained how to run the test cases using Katalon studio. Include information about command-line options and flags that can be used to customize test execution.
> **Activity 1:- Run :- Option to run all the testcases from the top quick access tool bar.**

Milestone 4: Test Reporting
Explained how test reports are generated and where they are stored. Include information about any tools or libraries used for reporting, such as katalon reporting.
> **Activity 1:-reports/**: Directory containing test reports

Troubleshooting

List common issues that may occur during project setup or test execution and provide possible solutions.

Conclusion

The OrangeHRM automation project provides a framework for automating various tasks within the OrangeHRM web application using Katalon Studio. With this documentation, you should be able to set up the project, execute tests, and extend/customize it according to your needs.