



# Manual Testing OrangeHRM

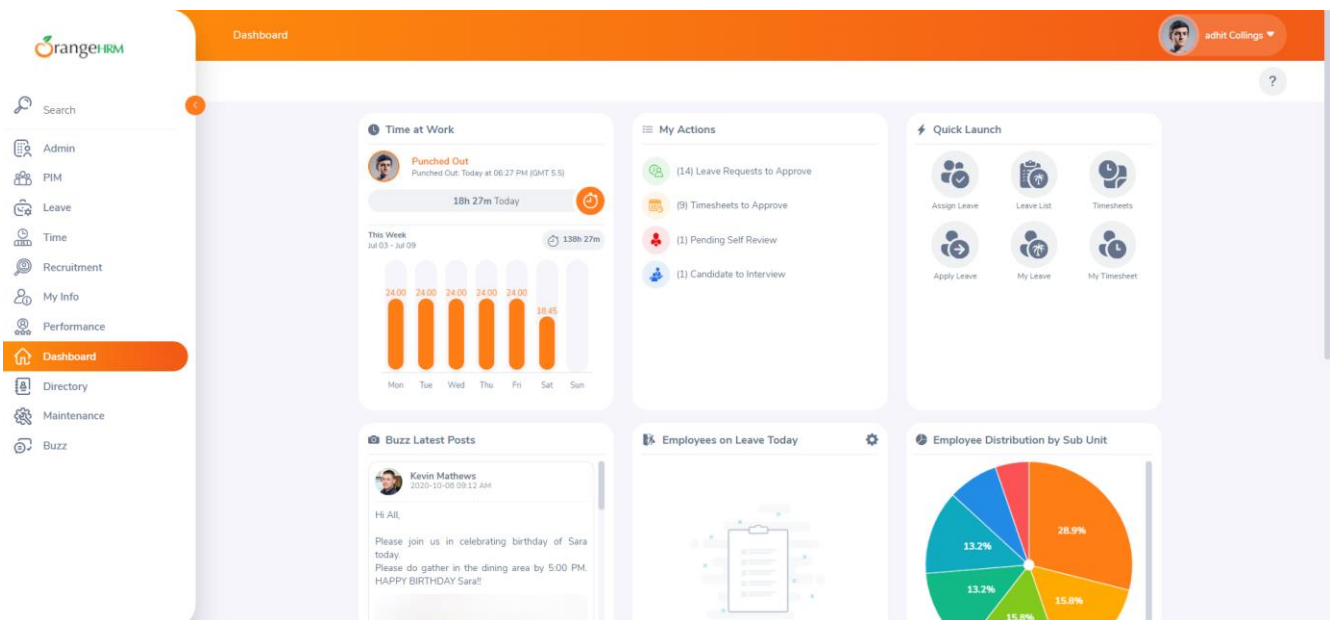
Project Based Experience Learning Program

# 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 Login screen text elements in terms of color ,font ,spacing between words, design and alignment**

**Test data:**

username: Admin


Password: admin123

Link: <https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>


[www.smartinternz.com](http://www.smartinternz.com)

**Activity 1.2: Admin user can log into application by entering invalid credentials**

**,application has to show invalid credentials message**



### Login

 Invalid credentials

Username : Admin  
Password : admin123

Username

Password

Login

[Forgot your password?](#)

**Activity 2: Verify user is able to reset password by click on Forgot your password? Link**

## Reset Password

Please enter your username to identify your account to reset your password

Username

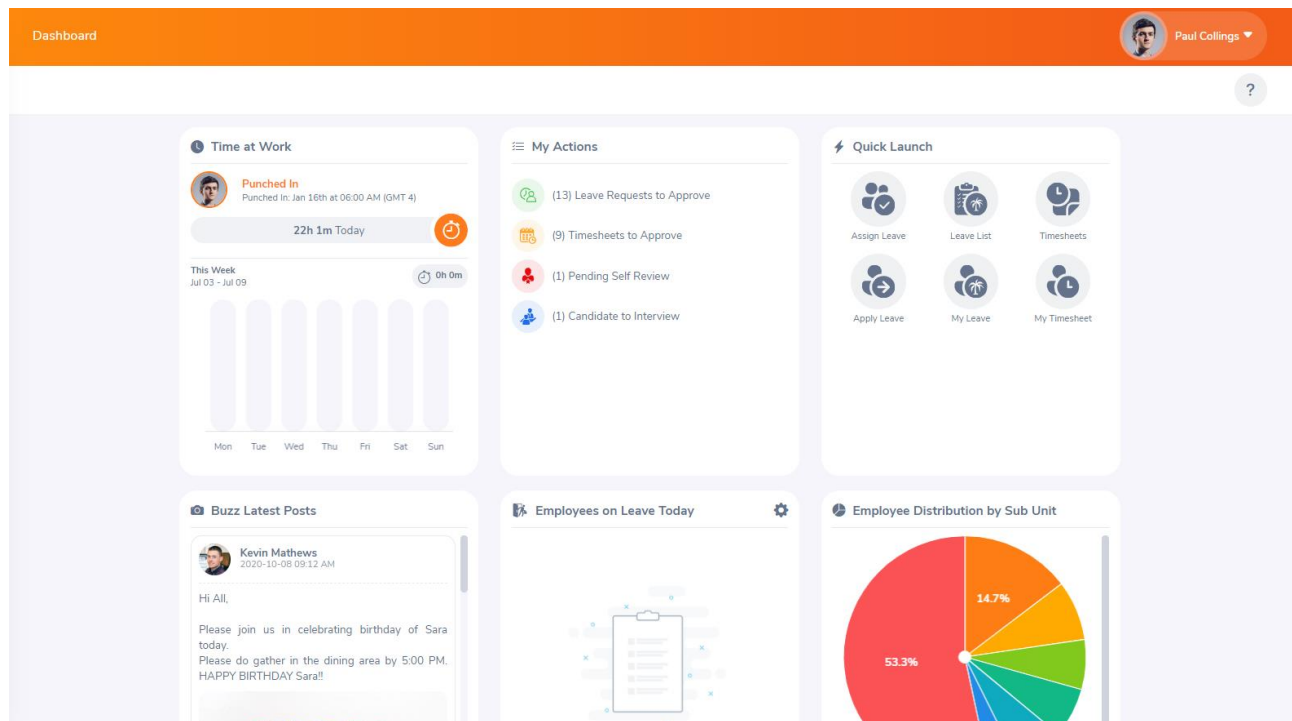
Username

Cancel

Reset Password

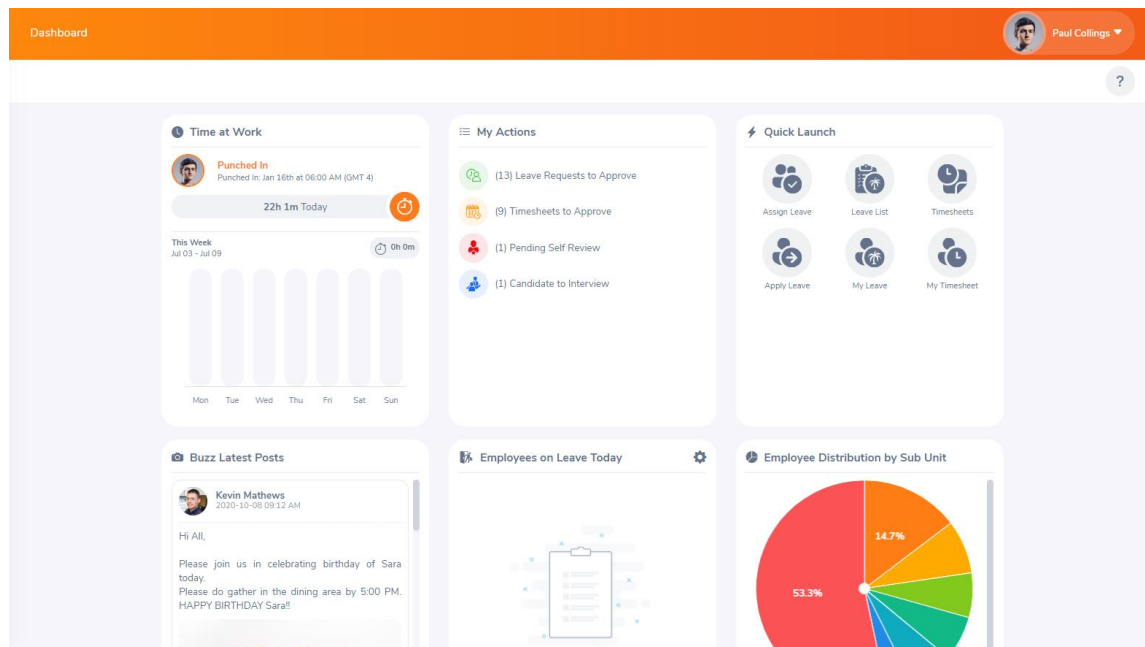
## Milestone 2: Verifying Dashboard Module

**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

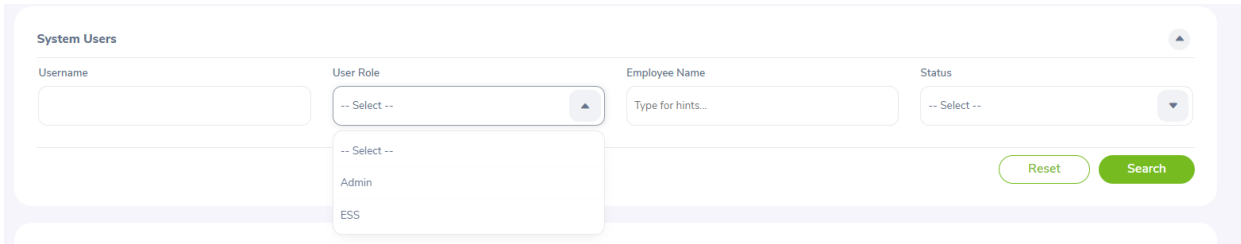
**Activity 1: Under Admin Module we have different sub modules/sections, user can verify individual sections font, alignment, color and each individual clickable links Verifying login page functionality and UI elements on the page**

The 'Admin / User Management' section includes a navigation bar with tabs for User Management, Job, Organization, Qualifications, Nationalities, Corporate Branding, and Configuration. The 'System Users' section contains search filters for Username, User Role, Employee Name, and Status, along with 'Reset' and 'Search' buttons. Below the filters is a table of users.

<input type="checkbox"/>	Username	User Role	Employee Name	Status	Actions
<input type="checkbox"/>	Admin	Admin	Paul Collings	Enabled	
<input type="checkbox"/>	Alice.Duvalnewnewnew	ESS	Alice Duval	Enabled	
<input type="checkbox"/>	Anthony.Nolan	ESS	Anthony Nolan	Enabled	
<input type="checkbox"/>	anton.will718	ESS	Kurtis Howell	Enabled	

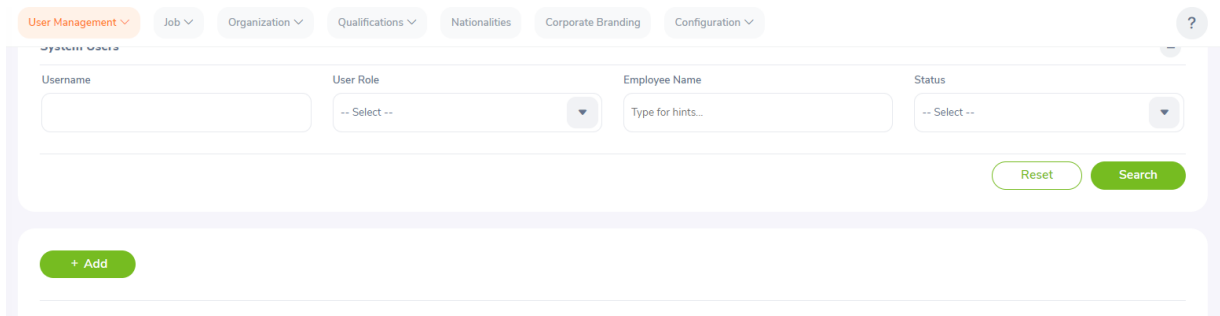
Link: <https://opensource-demo.orangehrmlive.com/web/index.php/admin/viewSystemUsers>

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

A screenshot of the 'System Users' filter section in the OrangeHRM application. It features four input fields: 'Username' (a text box), 'User Role' (a dropdown menu with an upward arrow), 'Employee Name' (a text box with placeholder text 'Type for hints...'), and 'Status' (a dropdown menu with a downward arrow). The 'User Role' dropdown is open, showing options: '-- Select --', 'Admin', and 'ESS'. To the right of the filters are two buttons: 'Reset' (a light green button) and 'Search' (a dark green button). The entire section is titled 'System Users' at the top left.

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

A screenshot of the 'System Users' section in the OrangeHRM application. At the top, there is a navigation bar with several tabs: 'User Management' (highlighted in orange), 'Job', 'Organization', 'Qualifications', 'Nationalities', 'Corporate Branding', and 'Configuration'. Below the navigation bar, the 'System Users' filter section is visible, containing the same four input fields as in the previous screenshot. Below the filters, there are two buttons: 'Reset' (light green) and 'Search' (dark green). At the bottom of the section, there is a '+ Add' button (dark green). The entire section is titled 'System Users' at the top left.

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**



Leave

Paul Collings

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

**Leave List**

From Date: 2023-01-01 To Date: 2023-12-31 Show Leave with Status\*: Select Leave Type: -- Select --

Pending Approval

Employee Name: Type for hints... Sub Unit: -- Select -- Include Past Employees: ☐

\* Required

Reset Search

(14) Records Found

<input type="checkbox"/>	Date	Employee Name	Leave Type	Leave Balance (Days)	Number of Days	Status	Comments	Actions
<input type="checkbox"/>	2022-08-25 to 2022-08-26	Charlie Carter	US - Vacation	7.00	2.00	Pending Approval (2.00)		Approve Reject
<input type="checkbox"/>	2022-08-01	Aaliyah Haq	US - Personal	11.50	1.00	Pending Approval (1.00)		Approve Reject
<input type="checkbox"/>	2022-07-28 to	Anthony Niles	CAN - Personal	12.50	2.00	Pending Approval		Approve Reject

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

Leave List

From Date: 2023-01-01 To Date: 2023-12-31 Show Leave with Status\*: Select Leave Type: -- Select --

Pending Approval

Sub Unit: -- Select -- Include Past Employees: ☐

Reset Search


Calendar: January 2023

Today Clear Close

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

Leave

 Paul Collings

Apply

My Leave

Entitlements

Reports

Configure

Leave List

Assign Leave

?

(14) Records Found

<input type="checkbox"/>	Date	Employee Name	Leave Type	Leave Balance (Days)	Number of Days	Status	Comments	Actions
<input type="checkbox"/>	2022-08-25 to 2022-08-26	Charlie Carter	US - Vacation	7.00	2.00	Pending Approval (2.00)		<div>Approve</div> <div>Reject</div> <div></div>
<input type="checkbox"/>	2022-08-01	Aaliyah Haq	US - Personal	11.50	1.00	Pending Approval (1.00)		<div>Approve</div> <div>Reject</div> <div></div>
<input type="checkbox"/>	2022-07-28 to 2022-07-29	Anthony Nolan	CAN - Personal	12.50	2.00	Pending Approval (2.00)		<div>Approve</div> <div>Reject</div> <div></div>
<input type="checkbox"/>	2022-07-26	Aaliyah Haq	US - Personal	11.50	1.00	Pending Approval (1.00)		<div>Approve</div> <div>Reject</div> <div></div>
<input type="checkbox"/>	2022-07-25 (09:00 - 13:00) Half Day	Anthony Nolan	CAN - Personal	12.50	0.50	Pending Approval (0.50)		<div>Approve</div> <div>Reject</div> <div></div>
<input type="checkbox"/>	2022-07-22 (13:00 - 17:00) Half Day	Anthony Nolan	CAN - Vacation	7.00	0.50	Pending Approval (0.50)		<div>Approve</div> <div>Reject</div> <div></div>
<input type="checkbox"/>		Linda Lane				Pending Approval		<div>Approve</div> <div>Reject</div> <div></div>

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**

Time / Timesheets

Paul Collings

Timesheets
Attendance
Reports
Project Info

Select Employee

Employee Name\*

Type for hints...

\* Required

View

Timesheets Pending Action

(12) Records Found

Employee Name	Timesheet Period	Actions
Paul Collings	2023-01-16 - 2023-01-22	<div>View</div>
Paul Collings	2022-08-15 - 2022-08-21	<div>View</div>
Linda Jane Anderson	2022-07-25 - 2022-07-31	<div>View</div>
Charlie Carter	2022-07-25 - 2022-07-31	<div>View</div>

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

Time / Timesheets

Paul Collings

Timesheets
Attendance
Reports
Project Info

Select Employee

Employee Name\*

Type for hints...


\* Required

View

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

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

Time


Paul Collings

Timesheets
Attendance
Reports
Project Info

Timesheet for Paul Collings

Timesheet Period
2023-01-16 to 2023-01-22

Project	Activity	16 Mon	17 Tue	18 Wed	19 Thu	20 Fri	21 Sat	22 Sun	Total
No Records Found									
Status: Submitted									Edit

Actions Performed on the Timesheet

Actions	Performed By	Date	Comment
Submitted	Paul Collings	2023-01-16	

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
- Project Overview
- Getting Started
  - Prerequisites
  - Installation
  - Project Setup
- Project Structure
- Writing Test Cases
- Running Tests
- Test Reporting
- Troubleshooting
- Conclusion

## **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**

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:

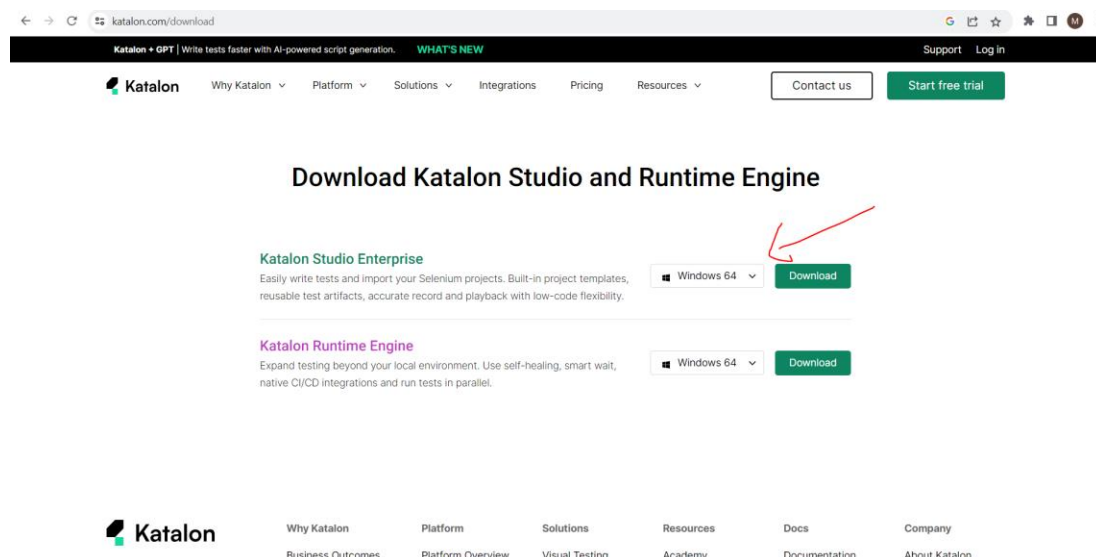
List the software and tools that need to be installed before running the project, such as:

- **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.



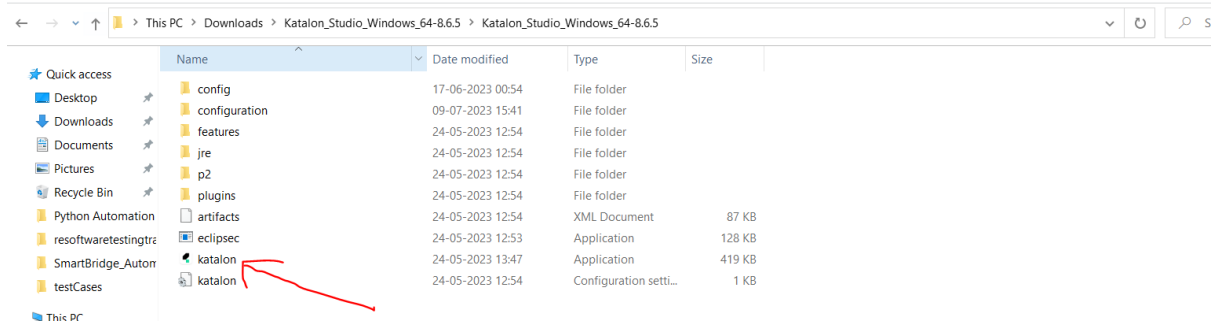
After downloading Katalon Studio and extracting the contents from the zip file, locate the folder where you extracted it.

In that folder, look for the "**katalon.exe**" file. This file is the executable for Katalon Studio.

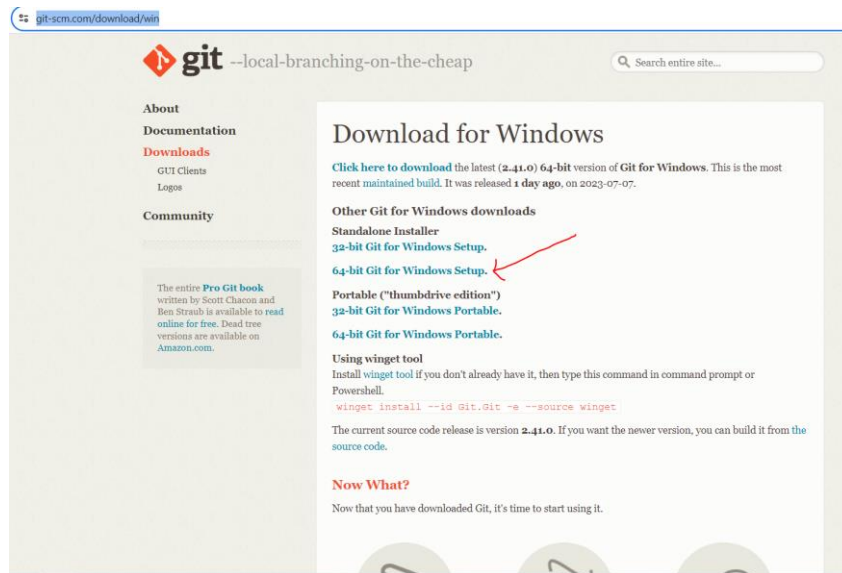
Double-click on the "**katalon.exe**" file to launch Katalon Studio. It may take a few moments to start up.

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>





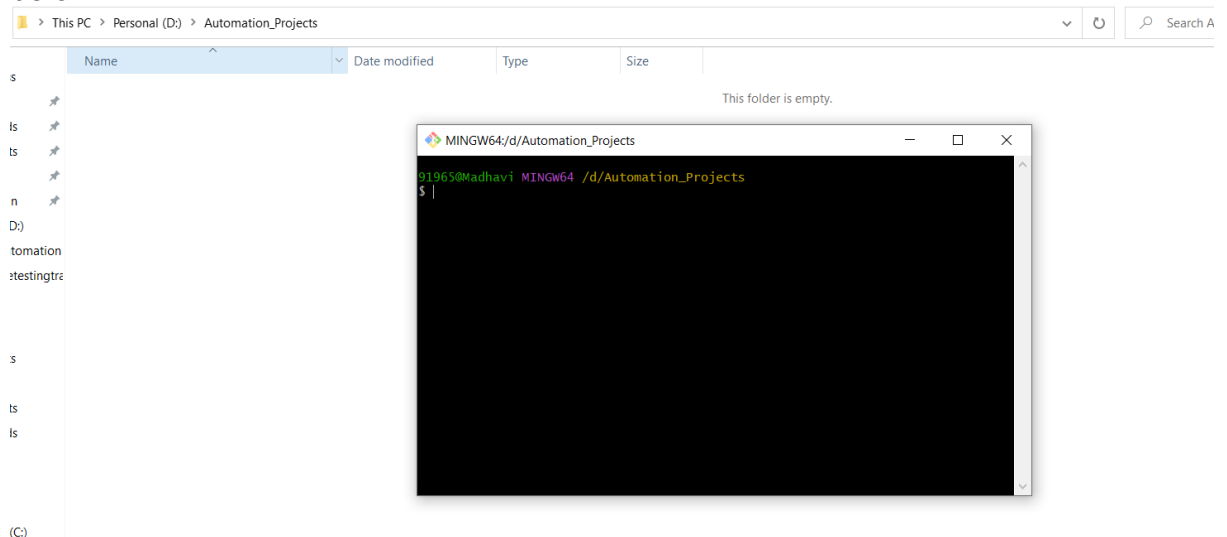


### Activity 2.3:-

Go to the desired location where you want to create the folder, such as Desktop.

Folder name like eg...(Automation\_Testing\_Project)

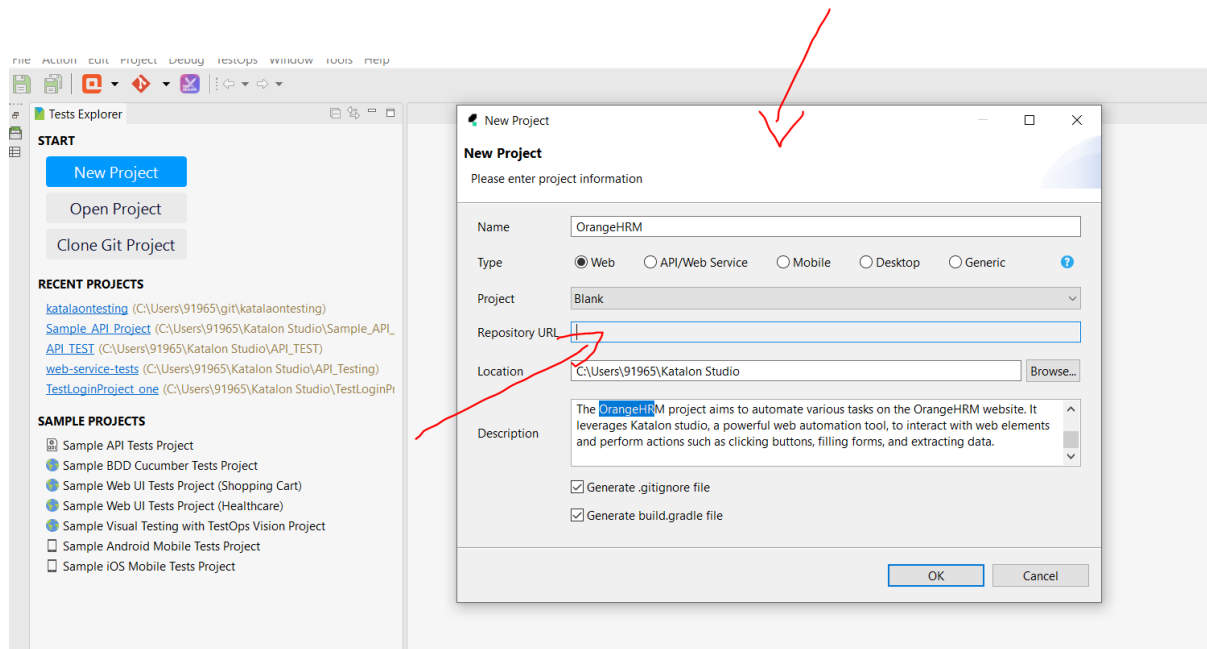
Open the folder- Right click with in the folder and select open gitbash here, you will get pop up like below and clone the repository based on the next steps provided below.



### 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.

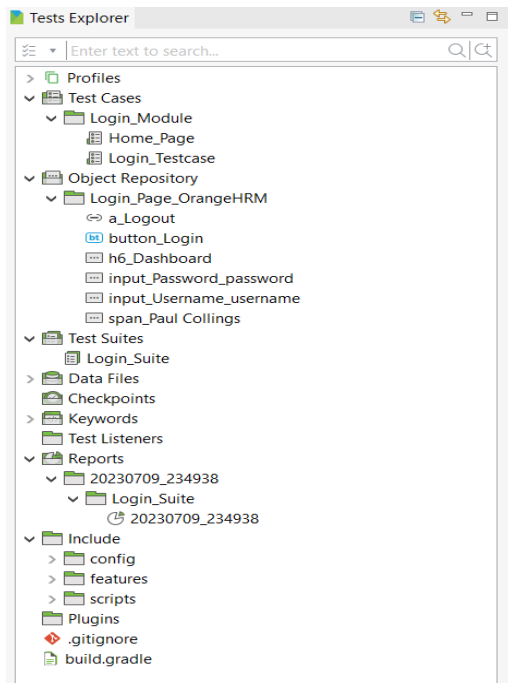
**Activity 3.3:-** Clone the OrangeHRM project repository from [repository URL].

[https://github.com/viswatesting123/SmartBridge\\_Automation\\_Projects.git](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:

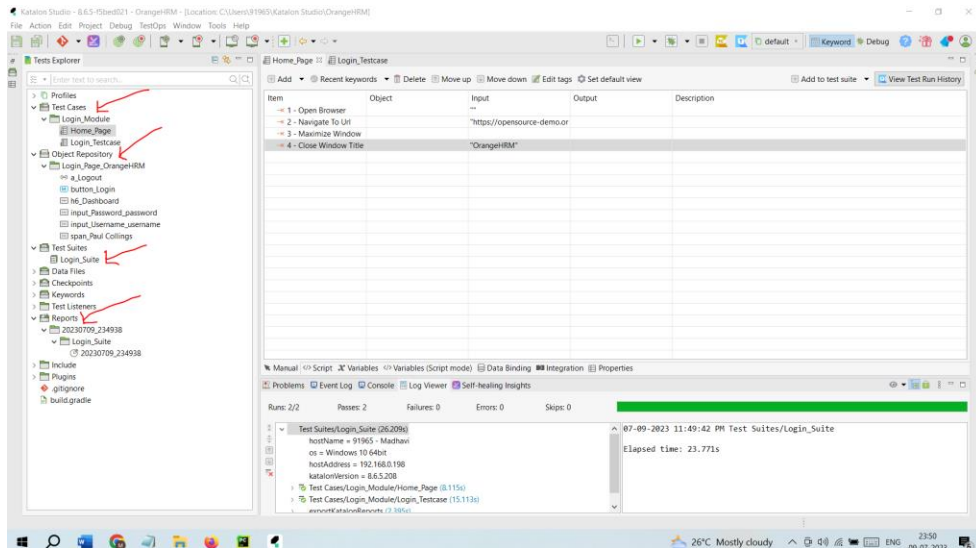


- **testscases/**: Directory containing test scripts
- **ObjectRepository/**: Directory containing page object models
- **testSuites/**: Directory containing run multiple test cases
- **reports/**: Directory containing test reports
- **datafiles/**: Directory containing test data (**ex:excel,csv,text,json 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

