



Manual Testing OrangeHRM

Project Based Experience Learning Program



SRI VENKATESWARA COLLEGE OF ENGINEERING

Project submitted by:-

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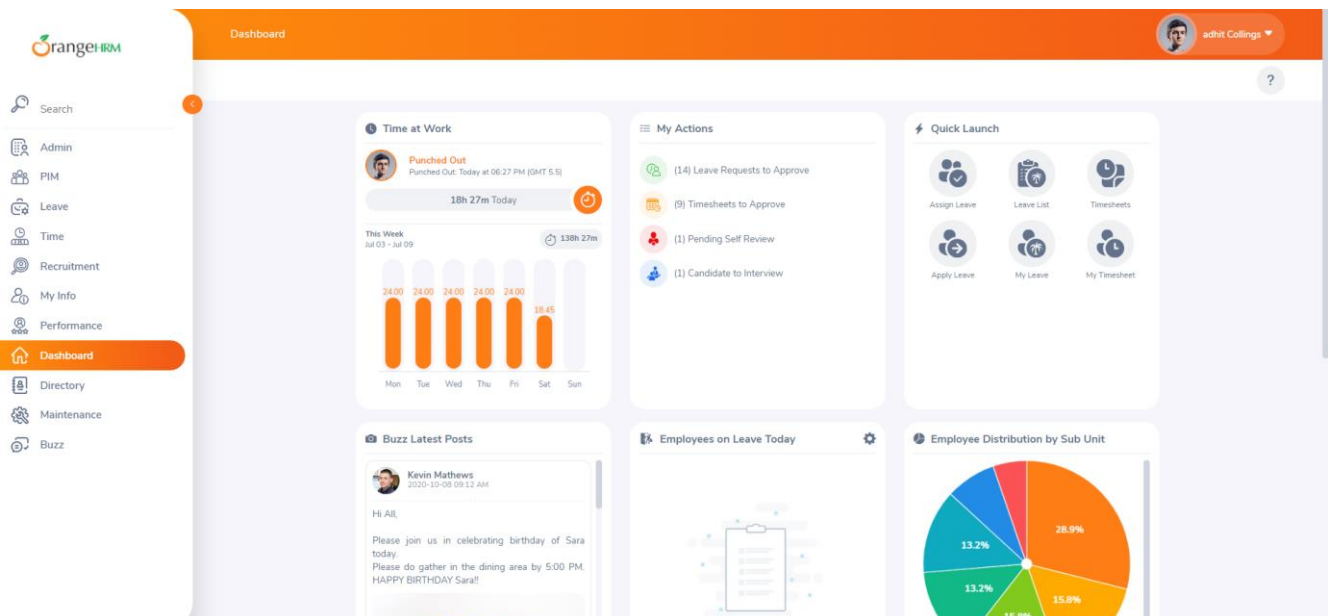
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Orange HRM Manual Testing

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

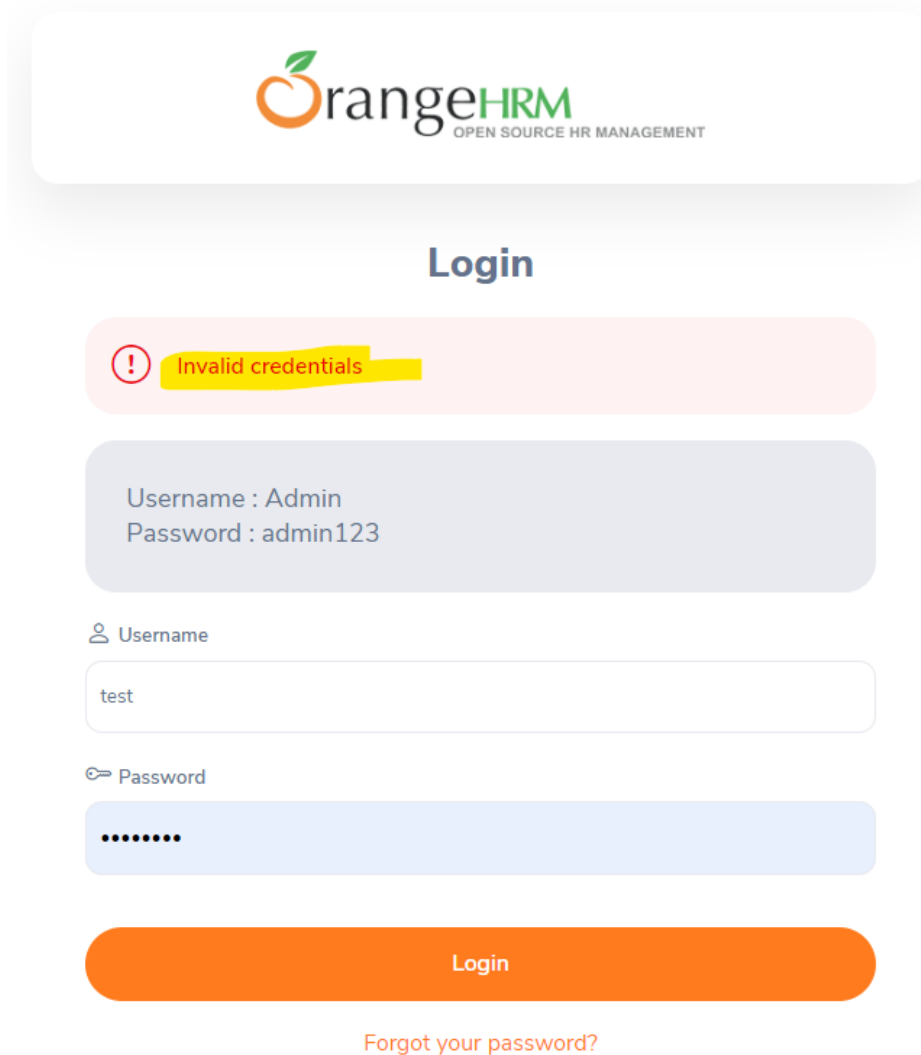
Test data:

username: Admin

Password: admin123

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

Activity 1.2: Admin user can log into application by entering invalid credentials ,application has to show invalid credentials message



The image shows the OrangeHRM login interface. At the top is the OrangeHRM logo with the tagline 'OPEN SOURCE HR MANAGEMENT'. Below the logo is a 'Login' heading. A red error message 'Invalid credentials' is displayed in a pink box. Below this, a grey box shows the entered credentials: 'Username : Admin' and 'Password : admin123'. The form includes a 'Username' field with the value 'test' and a 'Password' field with masked characters. An orange 'Login' button is at the bottom, with a 'Forgot your password?' link below it.

OrangeHRM
OPEN SOURCE HR MANAGEMENT

Login

Invalid credentials

Username : Admin
Password : admin123

Username

test

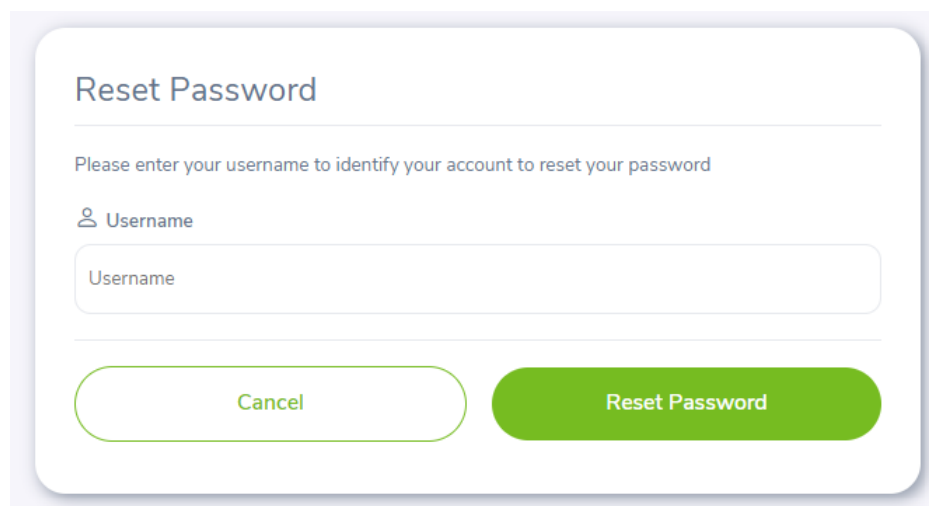
Password

.....

Login

[Forgot your password?](#)

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



The image shows the 'Reset Password' form. It has a heading 'Reset Password' and a sub-heading 'Please enter your username to identify your account to reset your password'. There is a 'Username' field with the placeholder text 'Username'. At the bottom, there are two buttons: 'Cancel' and 'Reset Password'.

Reset Password

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

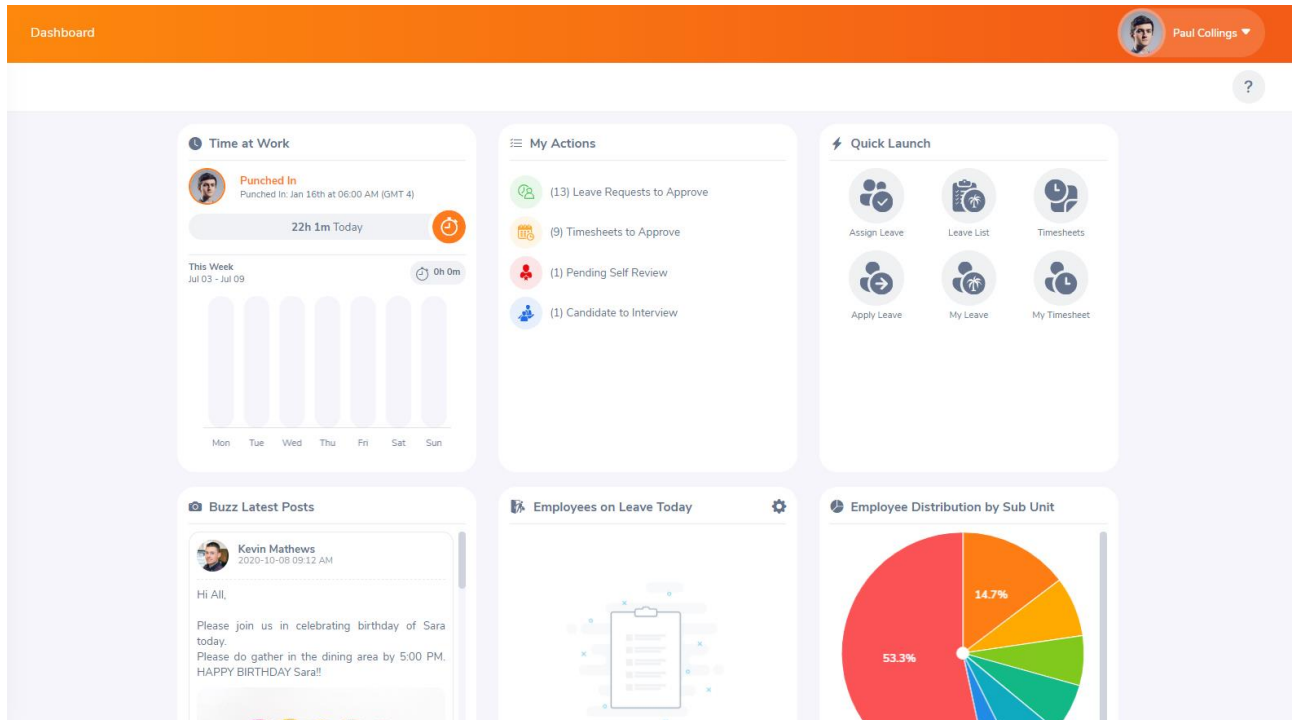
Username

Username

Cancel Reset Password

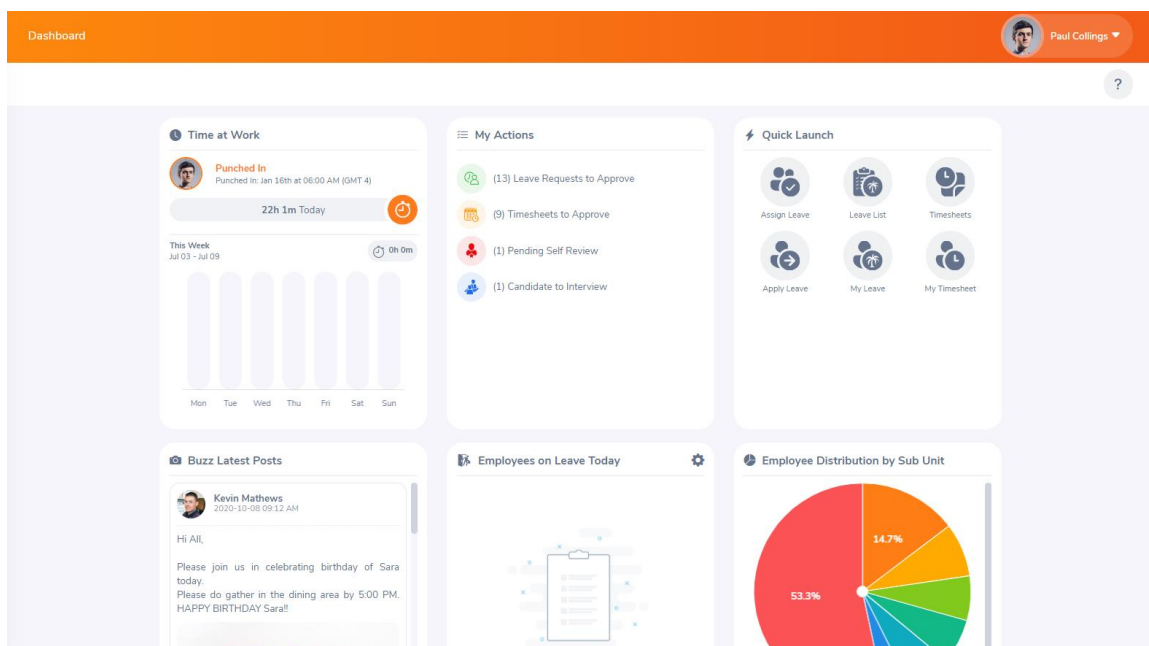
Milestone 2: Verifying Dashboard Module

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>

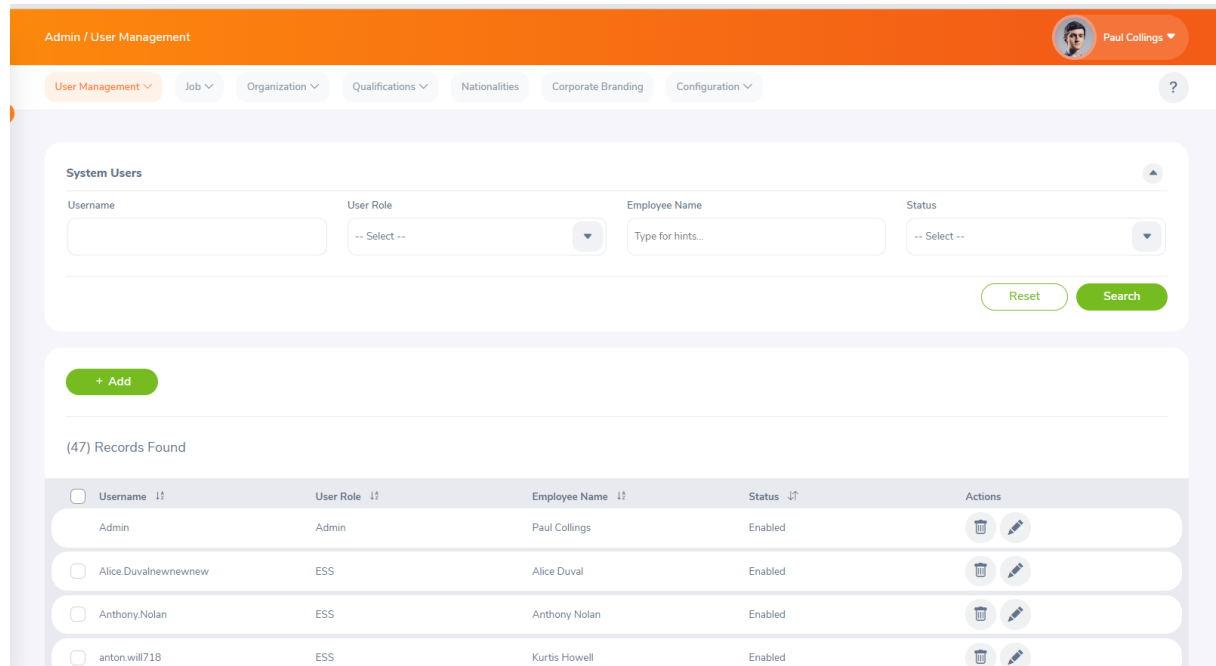
Activity 2: Admin can see and monitor everything on Dashboard which consists of different sections and when user clicks on any link it has to navigate to respective page and show the content without any issue.



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

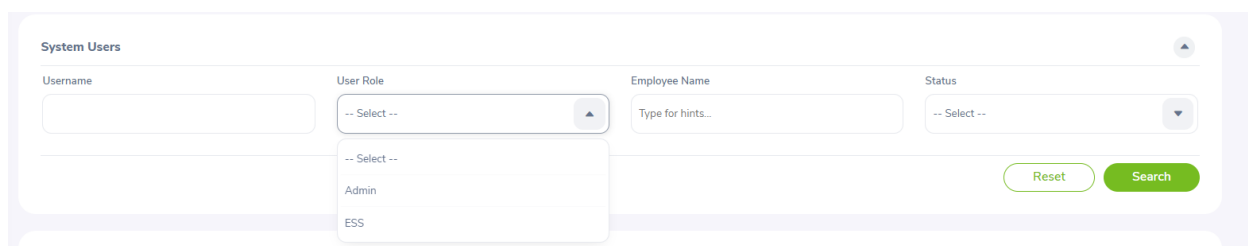


The screenshot shows the 'Admin / User Management' interface. At the top, there's an orange header with the title 'Admin / User Management' and a user profile for 'Paul Collings'. Below the header, a navigation bar contains several tabs: 'User Management' (active), 'Job', 'Organization', 'Qualifications', 'Nationalities', 'Corporate Branding', and 'Configuration'. The main content area is titled 'System Users'. It features a search filter section with four fields: 'Username' (text input), 'User Role' (dropdown menu), 'Employee Name' (text input with placeholder 'Type for hints...'), and 'Status' (dropdown menu). Below these fields are 'Reset' and 'Search' buttons. A '+ Add' button is located below the search filters. The table below shows '(47) Records Found'. The table has columns: 'Username', 'User Role', 'Employee Name', 'Status', and 'Actions'. The 'Actions' column contains icons for delete and edit. The table lists four users: 'Admin' (Role: Admin, Name: Paul Collings, Status: Enabled), 'Alice.Duvalnewnewnew' (Role: ESS, Name: Alice Duval, Status: Enabled), 'Anthony.Nolan' (Role: ESS, Name: Anthony Nolan, Status: Enabled), and 'anton.will718' (Role: ESS, Name: Kurtis Howell, Status: Enabled).

Username	User Role	Employee Name	Status	Actions
Admin	Admin	Paul Collings	Enabled	
Alice.Duvalnewnewnew	ESS	Alice Duval	Enabled	
Anthony.Nolan	ESS	Anthony Nolan	Enabled	
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



This screenshot shows the 'System Users' search filter section. The 'User Role' dropdown menu is open, displaying two options: 'Admin' and 'ESS'. The other fields ('Username', 'Employee Name', 'Status') and the 'Reset' and 'Search' buttons are also visible.

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

System Users

Username:

User Role:

Employee Name:

Status:

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

Apply My Leave Entitlements Reports Configure Leave List Assign Leave

Leave List

From Date:

To Date:

Show Leave with Status*:

Leave Type:

Employee Name:

Sub Unit:

Include Past Employees: ☐

(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)		<input type="button" value="Approve"/> <input type="button" value="Reject"/>
<input type="checkbox"/>	2022-08-01	Aaliyah Haq	US - Personal	11.50	1.00	Pending Approval (1.00)		<input type="button" value="Approve"/> <input type="button" value="Reject"/>
<input type="checkbox"/>	2022-07-28 to	Ashish Nigam	US - Personal	11.50	2.00	Pending Approval		<input type="button" value="Approve"/> <input type="button" value="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

The screenshot shows the 'Leave List' form. It includes a 'From Date' field with a calendar icon, a 'To Date' field with a calendar icon, a 'Show Leave with Status*' dropdown menu, and a 'Leave Type' dropdown menu. Below these are a 'Sub Unit' dropdown menu and an 'Include Past Employees' toggle switch. At the bottom right are 'Reset' and 'Search' buttons. A calendar is open for January 2023, showing dates from 1 to 31. The 'Today' button is highlighted in orange.

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

The screenshot shows the 'Leave List' table with 14 records found. The table has columns: Date, Employee Name, Leave Type, Leave Balance (Days), Number of Days, Status, Comments, and Actions. The 'Actions' column contains 'Approve' and 'Reject' buttons for each record.

<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)		<button>Approve</button> <button>Reject</button> ⋮
<input type="checkbox"/>	2022-08-01	Aaliyah Haq	US - Personal	11.50	1.00	Pending Approval (1.00)		<button>Approve</button> <button>Reject</button> ⋮
<input type="checkbox"/>	2022-07-28 to 2022-07-29	Anthony Nolan	CAN - Personal	12.50	2.00	Pending Approval (2.00)		<button>Approve</button> <button>Reject</button> ⋮
<input type="checkbox"/>	2022-07-26	Aaliyah Haq	US - Personal	11.50	1.00	Pending Approval (1.00)		<button>Approve</button> <button>Reject</button> ⋮
<input type="checkbox"/>	2022-07-25 (09:00 - 13:00) Half Day	Anthony Nolan	CAN - Personal	12.50	0.50	Pending Approval (0.50)		<button>Approve</button> <button>Reject</button> ⋮
<input type="checkbox"/>	2022-07-22 (13:00 - 17:00) Half Day	Anthony Nolan	CAN - Vacation	7.00	0.50	Pending Approval (0.50)		<button>Approve</button> <button>Reject</button> ⋮

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

The screenshot displays the 'Time / Timesheets' module interface. At the top, there is an orange header bar with the text 'Time / Timesheets' on the left and a user profile 'Paul Collings' on the right. Below the header, a navigation bar contains four tabs: 'Timesheets' (active), 'Attendance', 'Reports', and 'Project Info'. The main content area is divided into two sections. The first section, titled 'Select Employee', features a form with a label 'Employee Name*' and a text input field with a placeholder 'Type for hints...'. A green 'View' button is positioned to the right of the form. The second section, titled 'Timesheets Pending Action', shows '(12) Records Found' and a table with four rows. Each row contains an 'Employee Name', a 'Timesheet Period', and a 'View' button.

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

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

This screenshot shows a portion of the 'Time / Timesheets' module interface, specifically the 'Select Employee' form. It includes the orange header bar with 'Time / Timesheets' and the user profile 'Paul Collings'. The navigation bar shows 'Timesheets' as the active tab. The form has a label 'Employee Name*' and a text input field with a placeholder 'Type for hints...'. A green 'View' button is located at the bottom right of the form.

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

The screenshot displays the 'Time' module interface. At the top, there's an orange header bar with the word 'Time' on the left and a user profile for 'Paul Collings' on the right. Below the header, a navigation bar contains buttons for 'Timesheets' (selected), 'Attendance', 'Reports', and 'Project Info'. The main content area is titled 'Timesheet for Paul Collings' and shows a 'Timesheet Period' of '2023-01-16 to 2023-01-22'. Below this, there's a table with columns for 'Project', 'Activity', and days of the week (16 Mon, 17 Tue, 18 Wed, 19 Thu, 20 Fri, 21 Sat, 22 Sun), followed by a 'Total' column. The table currently shows 'No Records Found'. Below the table, the status is 'Submitted' with an 'Edit' button. At the bottom, there's a section titled 'Actions Performed on the Timesheet' with a table showing one action: 'Submitted' by 'Paul Collings' on '2023-01-16'.

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 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

www.smartinternz.com

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:

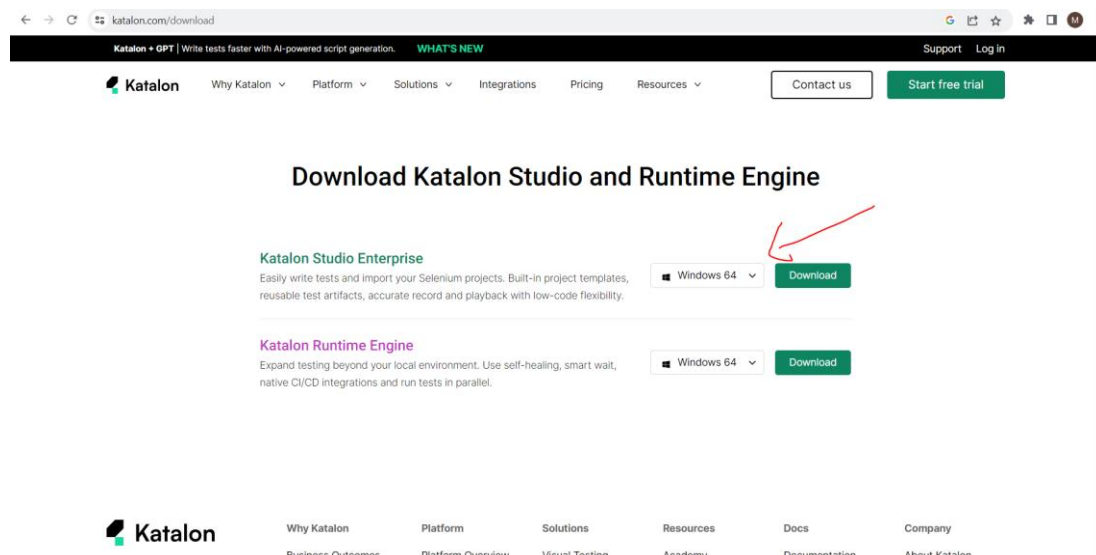
List the software and tools that need to be installed before running the project, such as:

- **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.

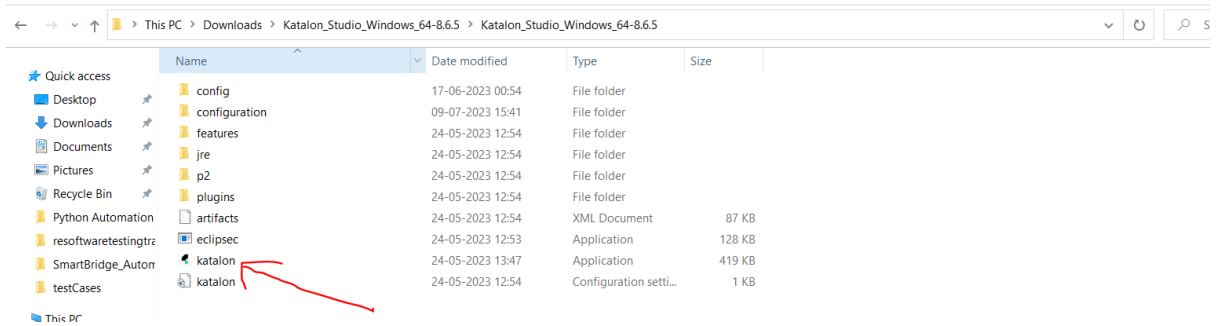


After downloading Katalon Studio and extracting the contents from the zip file, locate the folder where you extracted it.

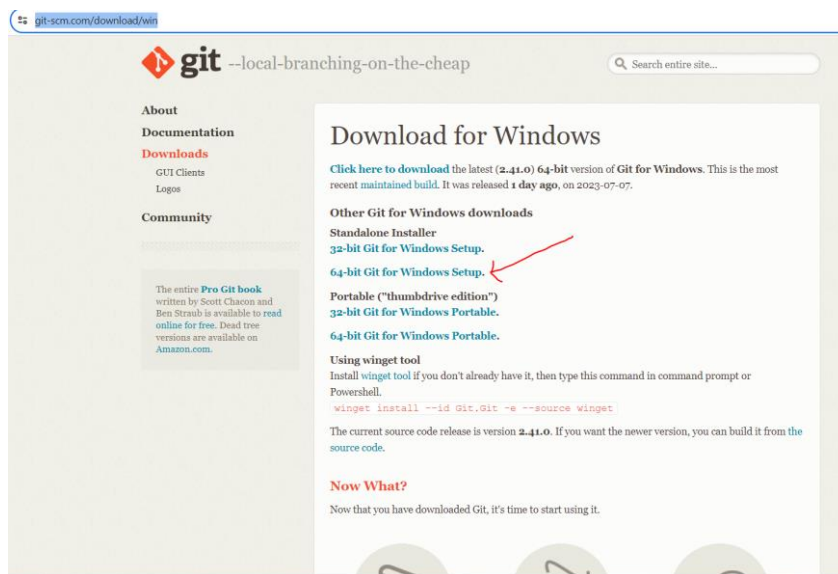
In that folder, look for the "**katalon.exe**" file. This file is the executable for Katalon Studio.

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.



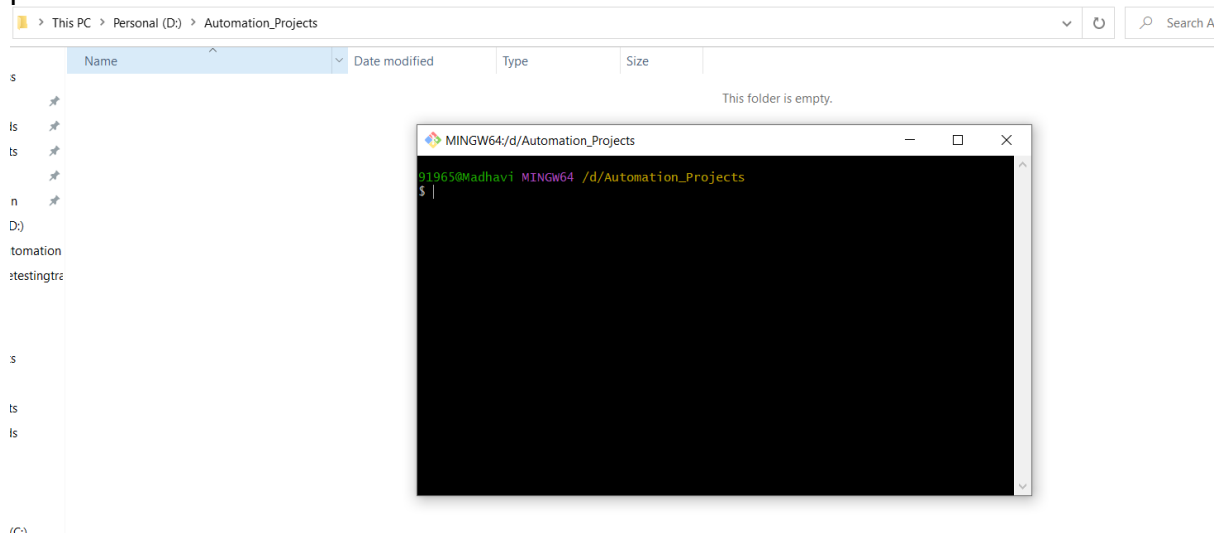
Activity 2.2:- Download and install **gitbash** from <https://git-scm.com/download/win>





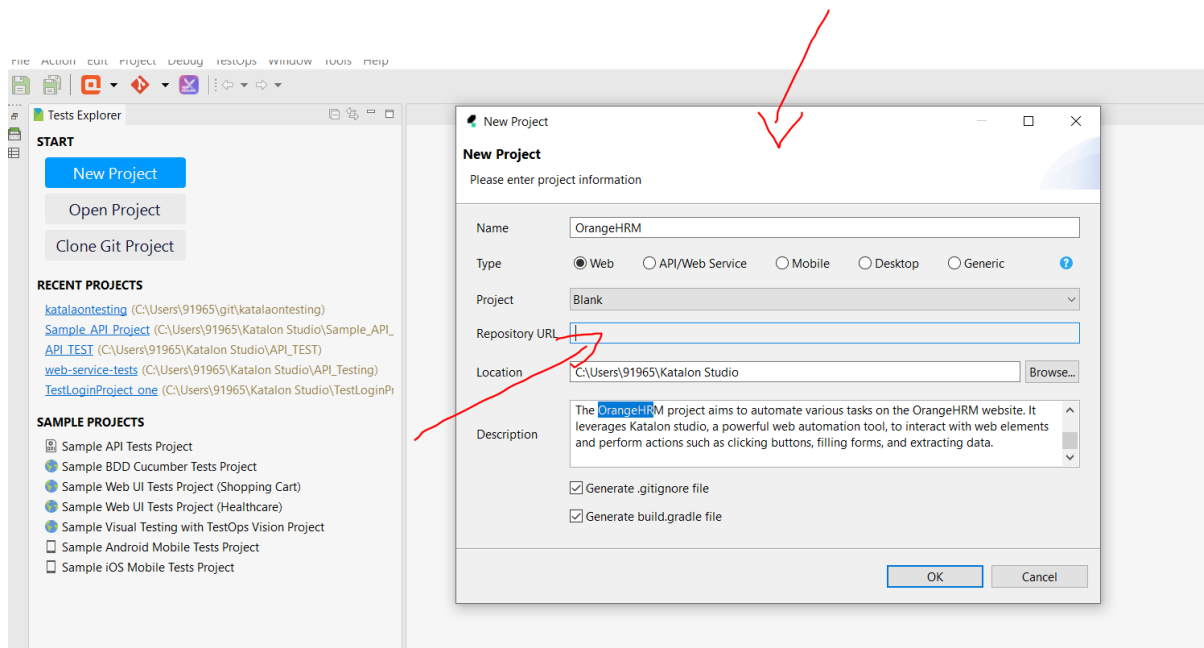
Activity 2.3:-

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.

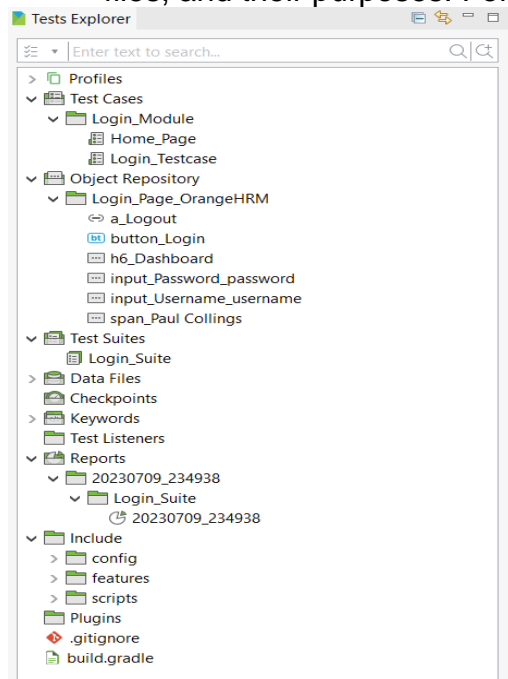
Activity 3.3:- Clone the OrangeHRM project repository from [repository URL].

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

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:



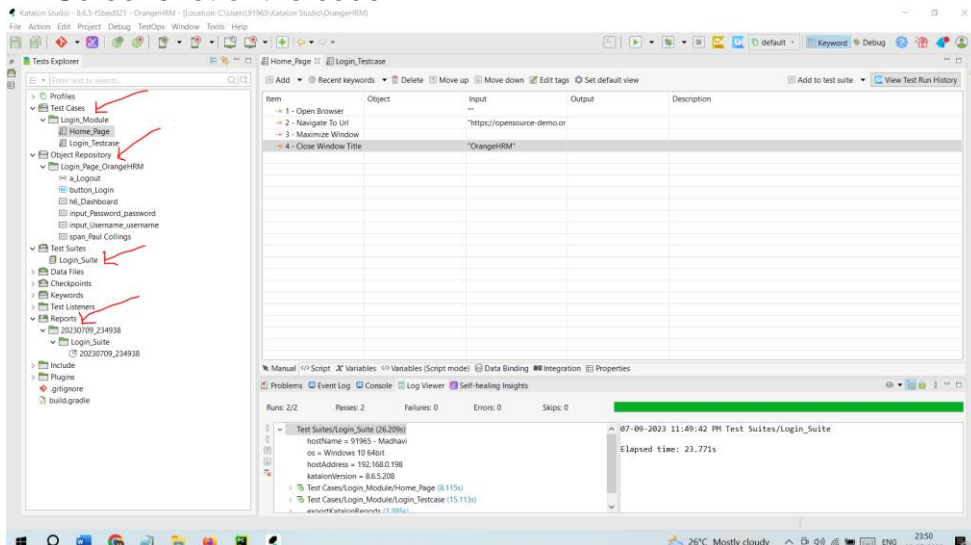
- **testscases/**: Directory containing test scripts
- **ObjectRepository/**: Directory containing page object models
- **testSuites/**: Directory containing run multiple test cases
- **reports/**: Directory containing test reports
- **datafiles/**: Directory containing test data (**ex:excel, csv, text,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

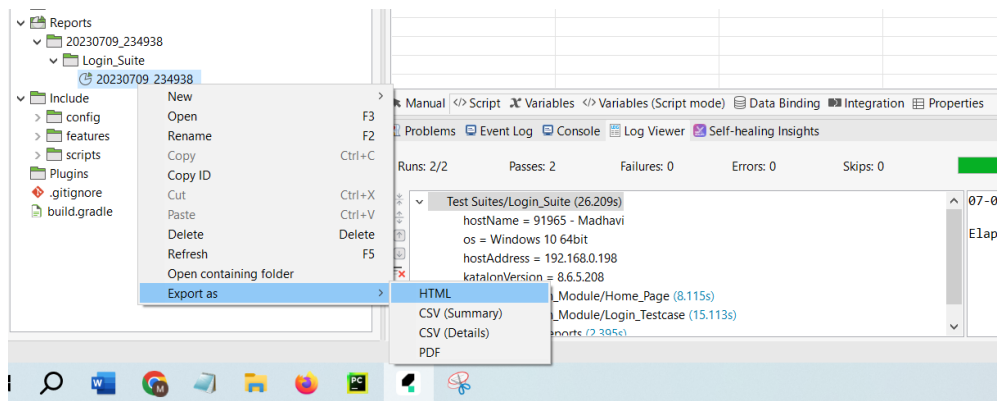
Explained how to run the test cases using Katalon studio. Include information about command-line options and flags that can be used to customize test execution.

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



C:\Users\91965\Katalon%20Studio\OrangeHRM\Reports\20230709_234938\Login_Suite\20230709_234938\20230709_234938.html	
Login_Suite Test Log	
Execution Environment	
Host name:	91965 - Madhavi
Local OS:	Windows 10 64bit
Katalon version:	8.6.5.208
Browser:	Chrome 114.0.0.0
Test Execution Log	
<div> <div>TEST SUITE: Login_Suite</div> <div> <div>Full Name:</div> <div>Login_Suite</div> </div> <div> <div>Start / End / Elapsed:</div> <div>2023-07-09 23:49:42.186 / 2023-07-09 23:50:05.957 / 00:00:23.771</div> </div> <div> <div>Status:</div> <div>2 test total, 2 passed, 0 failed, 0 error, 0 incomplete, 0 skipped</div> </div> </div>	
<div> <div>TEST CASE: Test Cases/Login_Module/Home_Page</div> <div> <div>Full Name:</div> <div>Login_Suite/Test Cases/Login_Module/Home_Page</div> </div> <div> <div>Description:</div> <div>Home Page Validation Test Case</div> </div> <div> <div>Tag:</div> <div>Smoke</div> </div> <div> <div>Start / End / Elapsed:</div> <div>2023-07-09 23:49:42.717 / 2023-07-09 23:49:50.832 / 00:00:08.115</div> </div> <div> <div>Status:</div> <div>PASSED</div> </div> <div> <div>TEST STEP: openBrowser("")</div> <div>TEST STEP: navigate ToUrl("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login")</div> <div>TEST STEP: maximizeWindow()</div> <div>TEST STEP: closeWindowTitle("OrangeHRM")</div> </div> </div>	
<div> <div>TEST CASE: Test Cases/Login_Module/Login_Testcase</div> </div>	

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.