Name: Shobhit Agrawal
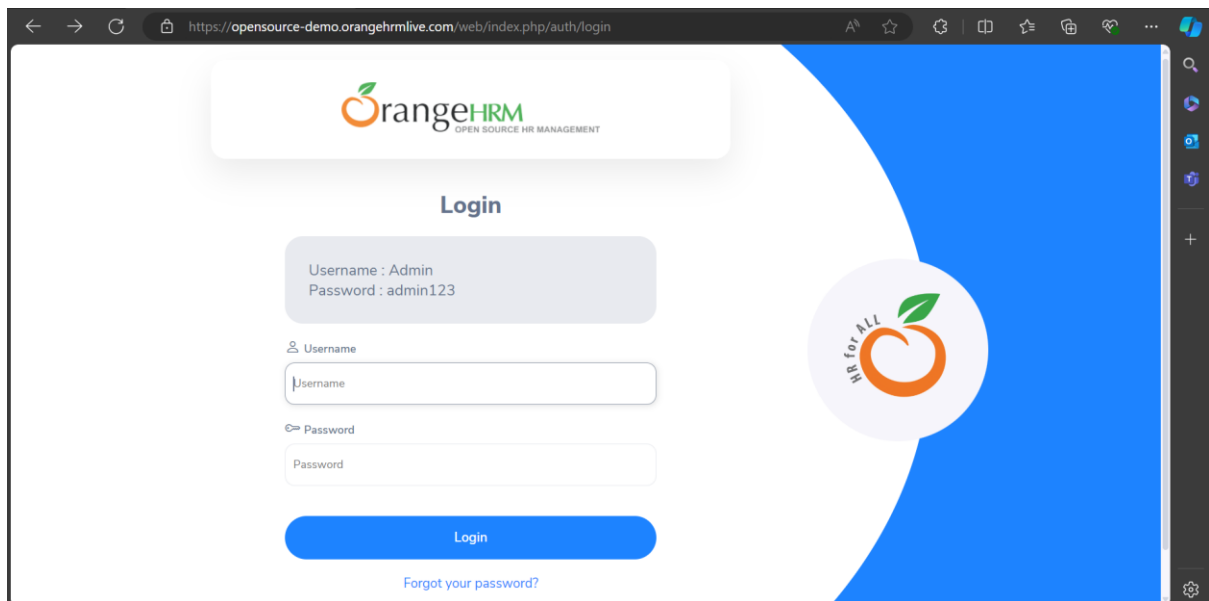
Submitted to: Mohammad Sohel Abbasi Sir

Date: 06/09/2024

Task 1: SDLC, Agile and Software Testing
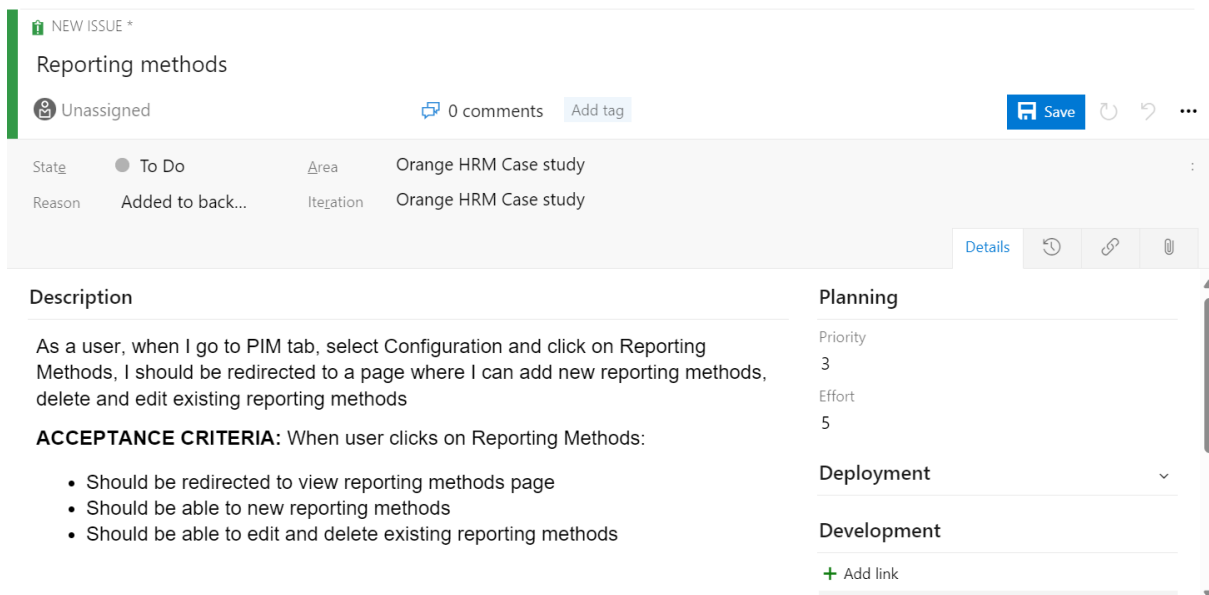
GitHub Repository Link:

[Shobhit130/OrangeHRMCaseStudy (github.com)](github.com)

Demo Website:

User Story 1

Title: Reporting Methods

As a user, when I go to PIM tab, select Configuration and click on Reporting Methods, I should be redirected to a page where I can add new reporting methods, delete and edit existing reporting methods
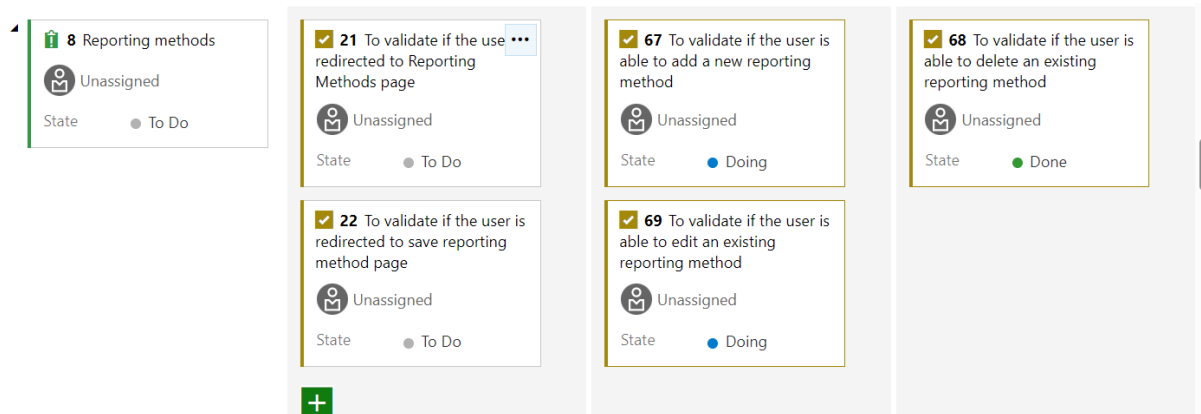
ACCEPTANCE CRITERIA: When user clicks on Reporting Methods:

- Should be redirected to view reporting methods page
- Should be able to new reporting methods
- Should be able to edit and delete existing reporting methods

Priority: 4

Effort: 5

Test Cases

TC_001

Description: To validate if the user is redirected to Reporting Methods page

Given the user is logged in to the website OrangeHRM (orangehrmlive.com) using the valid username "Admin" and valid password "admin123"

When user clicks on PIM tab -> Configuration Drop down -> Reporting Methods

Then user should be navigated to Reporting Methods page https://opensource-demo.orangehrmlive.com/web/index.php/pim/viewReportingMethods

S. No.	Page Name	Page accessibility (Pass/Fail)	
		Actual	Expected
1	Reporting Methods	Pass	Pass

TC_002

Description: To validate if the user is redirected to save reporting method page

Given the user is on the Reporting Methods page https://opensource-demo.orangehrmlive.com/web/index.php/pim/viewReportingMethods
And user clicks on the Add button

Then the user should be redirected to Save reporting method page https://opensource-demo.orangehrmlive.com/web/index.php/pim/saveReportingMethod

S. No.	Page Name	Page accessibility (Pass/Fail)	
		Actual	Expected
1	Save Reporting Method	Pass	Pass

TC_003

Description: To validate if the user is able to add a new reporting method

Given the user is on the Save reporting method page https://opensource-demo.orangehrmlive.com/web/index.php/pim/saveReportingMethod

When user writes a new reporting method in the Name field

And clicks on the Save button

Then the new reporting method should get added the reporting methods list

S. No.	New reporting method	New reporting method getting added (Pass/Fail)	
		Actual	Expected
1	Test Report	Pass	Pass

TC_004

Description: To validate if the user is able to delete an existing reporting method

Given the user is on the Reporting Methods page https://opensource-demo.orangehrmlive.com/web/index.php/pim/viewReportingMethods
When the user clicks on the delete icon of any reporting method except Direct (as it is always in use)

And clicks on the Yes, Delete button
Then that reporting method should be deleted from the reporting methods

S. No.	Reporting method	Reporting method getting deleted (Pass/Fail)	
		Actual	Expected
1	Indirect	Pass	Pass
2	Test Report	Pass	Pass

TC_005

Description: To validate if the user is able to edit an existing reporting method

Given the user is on the Reporting Methods page https://opensource-demo.orangehrmlive.com/web/index.php/pim/viewReportingMethods
When the user clicks on the edit icon of any reporting method

And writes the new name of that reporting method and clicks on Save button

Then that reporting method's name should be edited

S. No.	Reporting method	Reporting method getting deleted (Pass/Fail)	
		Actual	Expected
1	Direct	Pass	Pass
2	Indirect	Pass	Pass
3	Test Report	Pass	Pass

User story 2

Title: Admin Dashboard Functionality

As a System Administrator, I want to access a comprehensive dashboard, so that I can: Monitor and manage key HR metrics and activities efficiently

ACCEPTANCE CRITERIA:

- **Dashboard Access:** Given that I am logged in as an admin, when I navigate to the dashboard, then I should see a summary of key HR metrics and activities.
- **Key Metrics Display:** Given that I am on the dashboard, when the page loads, then I should see widgets displaying metrics such as employee count, leave requests, attendance records, and upcoming events.
- **Interactive Widgets:** given that I am viewing the dashboard, when I click on a widget, then I should be redirected to a detailed view of the respective metric (e.g., clicking on leave requests should take me to the leave management page).

Priority: 2

Effort: 6

Test cases
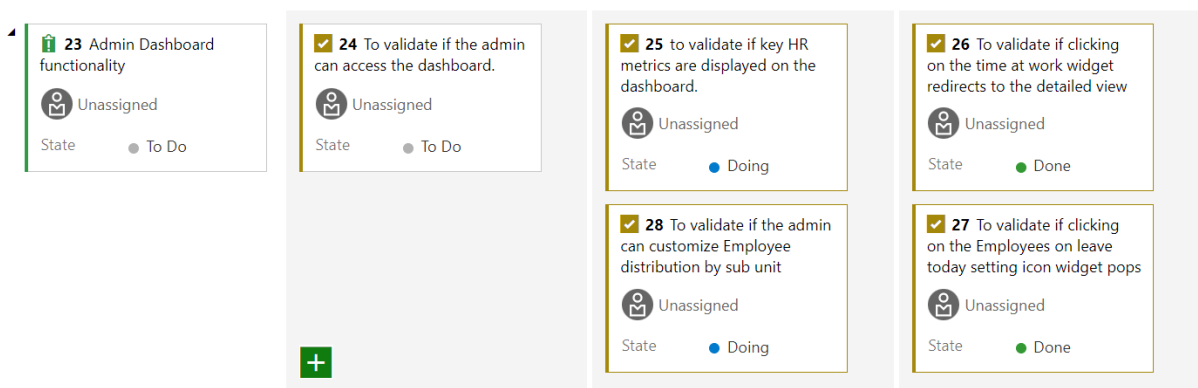
TC_001

Description: To validate if the admin can access the dashboard.

Given the admin is logged in to the website OrangeHRM (orangehrmlive.com) using the valid username "Admin" and valid password "admin123".

When the admin clicks on the "Dashboard" tab.

Then the admin should be navigated to the dashboard page displaying key HR metrics and activities.

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

S. No.	Username	Password	Page accessibility (Pass/Fail)	
			Actual	Expected
1	Admin	admin123	Pass	Pass

TC_002

Description: To validate if key HR metrics are displayed on the dashboard.

Given the admin is logged in to the websiteOrangeHRM (orangehrmlive.com) using the valid username "Admin" and valid password "admin123".

When the admin navigates to the dashboard page.

Then the dashboard should display widgets for Time at work, Quick Launch, Buzz latest posts, My actions, Employees on leave today, Employee Distribution by Sub Unit, Employee Distribution by Location

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

S. No.	Dashboard Widget	Widget Displaying (Pass/Fail)	
		Actual	Expected

1	Time at work	Pass	Pass
2	Quick Launch	Pass	Pass
3	Buzz latest posts	Pass	Pass
4	My actions	Pass	Pass
5	Employees on leave today	Pass	Pass
6	Employee Distribution by Sub Unit	Pass	Pass
7	Employee Distribution by location	Pass	Pass

TC_003

Description: To validate if clicking on the time at work widget redirects to the detailed view of the respective metric.

Given the admin is logged in to the website OrangeHRM (orangehrmlive.com) using the valid username "Admin" and valid password "admin123".

When the admin clicks on the "Time at work" widget clock icon on the dashboard.

Then the admin should be redirected to the "Punch In" page

URL: https://opensource-demo.orangehrmlive.com/web/index.php/attendance/punchIn

S. No.	Dashboard Widget	Clicking on clock icon redirects (Pass/Fail)	
		Actual	Expected
1	Time at work	Pass	Pass

TC_004

Description: To validate if clicking on the Employees on leave today setting icon widget pops up a sub menu

Given the admin is logged in to the website OrangeHRM (orangehrmlive.com) using the valid username "Admin" and valid password "admin123".

When the admin clicks on the setting icon of the Employees on leave today widget

Then a pop up should appear

S. No.	Dashboard Widget	Clicking on settings icon pops up a sub menu(Pass/Fail)	
		Actual	Expected
1	Employees on leave today	Pass	Pass

TC_005

Description: To validate if the admin can customize Employee distribution by sub unit widget

Given the admin is logged in to the website OrangeHRM (orangehrmlive.com) using the valid username "Admin" and valid password "admin123".

When the admin chooses to customize the dashboard layout of the Employee distribution by sub unit by clicking on the labels below the pie chart

Then the dashboard layout should be customizable according to the admin's preferences.

S. No.	Dashboard Widget	Clicking on labels modifies the pie chart(Pass/Fail)	
		Actual	Expected
1	Employee distribution by sub unit	Pass	Pass

User story 3

NEW ISSUE *

Candidate

Unassigned   0 comments   Add tag   Save

| State | To Do | Area | Orange HRM Case study |
| Reason | Added to back... | Iteration | Orange HRM Case study |

Details

Description

As a user when I go to Candidates option in the Recruitment tab, then I should be able to Add, Edit, Search and Delete candidates.

Acceptance Criteria: When user goes to the Candidate option in Recruitment, the system should

- Allow the user to search for existing candidates
- Allow the user to add a candidate
- Allow user to view details of existing candidates
- Allow user to delete candidates

Planning

Priority
2

Effort
4

Deployment

Development

+ Add link

Title: Candidate

As a user when I go to Candidates option in the Recruitment tab,then I should be able to Add, Edit, Search and Delete candidates.

ACCEPTANCE CRITERIA: When user goes to the Candidate option in Recruitment, the system should

- Allow the user to search for existing candidates
- Allow the user to add a candidate
- Allow user to view details of existing candidates
- Allow user to delete candidates

Priority: 2

Effort: 4
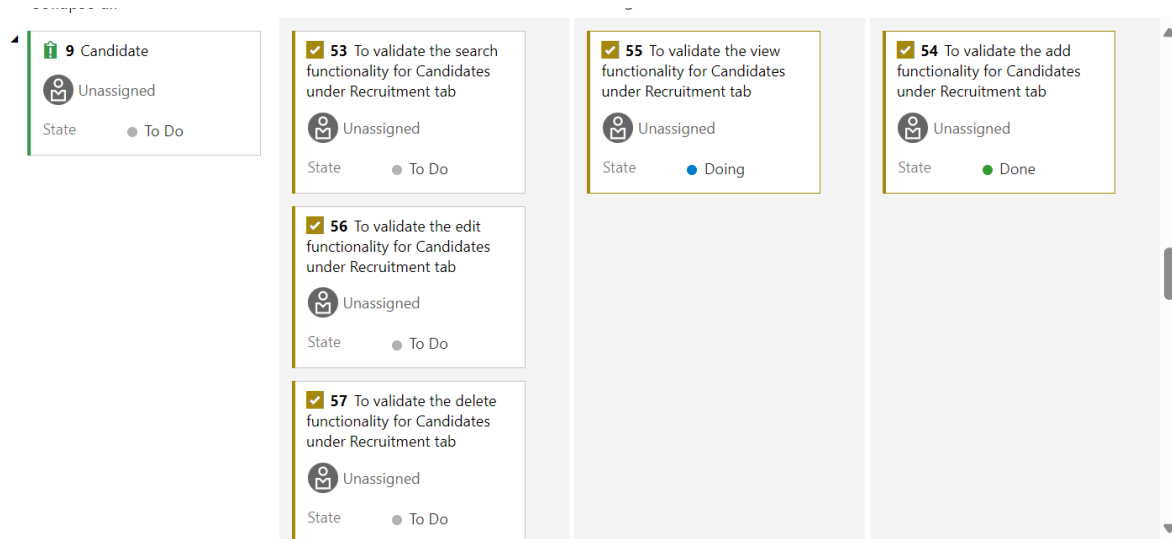
Test Cases

TC_001

Description: To validate the search functionality for Candidates under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the candidates page in recruitment tab

When the user enters search criteria in the search field

And clicks the "Search" button

Then the system should display a list of candidates matching the search criteria

TC_002

Description: To validate the add functionality for Candidates under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the candidates page in recruitment tab

When the user clicks the "Add" button, fills in the candidate details

And clicks the "Save" button

Then the system should display a confirmation message

And the new candidate should appear in the list of candidates

TC_003

Description: To validate the view functionality for Candidates under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the candidates page in recruitment tab

When the user clicks on the view icon for a candidate

Then the system should display the candidate's details

TC_004

 Description: To validate the edit functionality for Candidates under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently viewing a candidate's details

When the user clicks the view icone,toggles the edit button, updates the candidate's details

And clicks the "Save" button

Then the system should display a confirmation message

And the updated details should be reflected in the candidate's profile

TC_005

Description: To validate the delete functionality for Candidates under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the candidates page in recruitment tab

When the user clicks the "Delete" button for a candidate

And confirms the deletion

Then the system should display a confirmation message

And the candidate should be removed from the list of candidates

User story 4

NEW ISSUE *

Vacancies

Unassigned   0 comments   Add tag   Save

State	To Do	Area	Orange HRM Case study
Reason	Added to back...	Iteration	Orange HRM Case study

Details

Description

As a user when I go to Vacancies option in the Recruitment tab, then I should be able to Add, Edit, Search and Delete vacancies.

Acceptance Criteria: When user goes to the Vacancies option in Recruitment, the system should

- Allow the user to search for existing vacancies
- Allow the user to add vacancies
- Allow user to view details of existing vacancies
- Allow user to delete vacancies

Planning

Priority
2

Effort
4

Deployment

Development

+ Add link

Title: Vacancies

As a user when I go to Vacancies option in the Recruitment tab, then I should be able to Add, Edit, Search and Delete vacancies.

ACCEPTANCE CRITERIA: When user goes to the Vacancies option in Recruitment, the system should

- Allow the user to search for existing vacancies
- Allow the user to add vacancies
- Allow user to view details of existing vacancies
- Allow user to delete vacancies

Priority: 2
Effort: 4
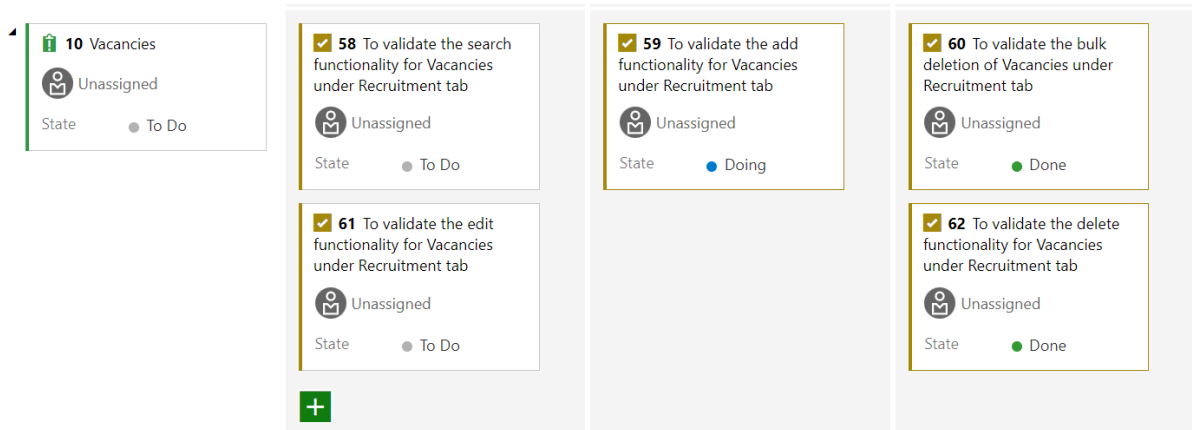
Test cases

10 Vacancies	58 To validate the search functionality for Vacancies under Recruitment tab	59 To validate the add functionality for Vacancies under Recruitment tab	60 To validate the bulk deletion of Vacancies under Recruitment tab
Unassigned	Unassigned	Unassigned	Unassigned
State ● To Do	State ● To Do	State ● Doing	State ● Done
	61 To validate the edit functionality for Vacancies under Recruitment tab		62 To validate the delete functionality for Vacancies under Recruitment tab
	Unassigned		Unassigned
	State ● To Do		State ● Done

TC_001

Description: To validate the search functionality for Vacancies under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the vacancies page in recruitment tab

When the user enters search criteria in the search field

And clicks the "Search" button

Then the system should display a list of vacancies matching the search criteria

TC_002

Description: To validate the add functionality for Vacancies under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the vacancies page in recruitment tab

When the user clicks the "Add" button, fills in the vacancy details

And clicks the "Save" button

Then the system should display a confirmation message

And the new vacancy should appear in the list of vacancies

TC_003

Description: To validate the bulk deletion of Vacancies under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the vacancies page in recruitment tab

When the user selects multiple vacancies for deletion

Then the system should bulk delete all the entries and give confirmation message.

TC_004

Description: To validate the edit functionality for Vacancies under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently viewing a vacancy's details

When the user clicks on the Edit icon for a vacancy, updates the vacancy's details

And clicks the "Save" button

Then the system should display a confirmation message

And the updated details should be reflected in the vacancy's profile

TC_005

Description: To validate the delete functionality for Vacancies under Recruitment tab

Given the user is able to access the website "OrangeHRM (orangehrmlive.com)" in chrome browser and logged in using username "Admin" and password "admin123" and currently on the vacancies page in recruitment tab

When the user clicks on the delete icon for a vacancy

And confirms the deletion

Then the system should display a confirmation message

And the vacancy should be removed from the list of vacancies

User story 5

Title: Termination Reasons

As a user when I go to "Termination Reasons" under "configuration" toggle under "PIM" tab then I should be able to add, edit and delete the termination terms of any employee.

ACCEPTANCE CRITERIA: When valid credentials are entered and select "Termination Reasons" page then:

- User should be able to add "Termination Reason" to the list.
- User should be able to edit the "Termination Reason" record of the employee.
- User should be able to delete the "Termination Reason" record of any employee.

Priority: 1

Effort: 4

Test cases

TC_001

Description: To validate the functionality of the "Add" button

Given the user is logged in to the website "https://opensource-demo.orangehrmlive.com/web/index.php/auth/login" in chrome web browser using the valid username "Admin" and valid password "admin123" and he is in the "Termination Reasons" tab under "Configuration" dropdown in "PIM" tab.

When the user clicks on the "Add" button

Then the user should be redirected to the page (https://opensource-demo.orangehrmlive.com/web/index.php/pim/saveTerminationReasons) which asks the user to type in the termination reason.

Bug Report

Description: The field ask for Name on termination reason page instead of reason which may create a confusion

Steps to reproduce:

- Open chrome browser

- Open the site https://opensource-demo.orangehrmlive.com/web/index.php/auth/login

- Login using username: 'Admin' and password: admin123

- From the list select 'PIM' then go to 'Configuration' then go to 'Termination Reason' and click on 'Add' button. The input field is showing to input 'Name' instead it should ask to enter the 'Reason'

Time Stamp: 06/09/2024 10:55 AM

Severity: Low

Priority: Minor

Assignee: problem_dev

Expected Result: The user should be asked to enter Reason instead of Name.

Screenshot or recording:
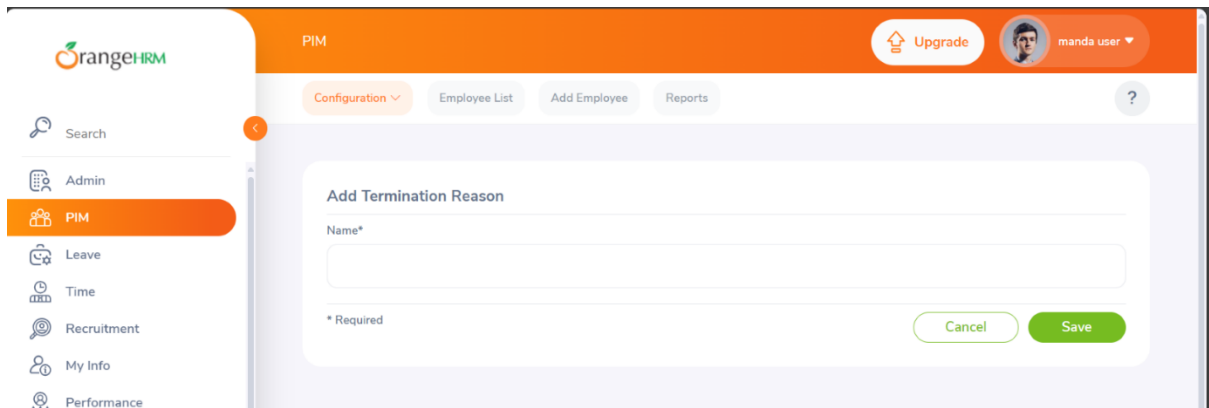
TC_002

Description: To check whether the Termination Reason input field in accepting text input.

Given the user is logged in to the website "https://opensource-demo.orangehrmlive.com/web/index.php/auth/login" in chrome web browser using the valid username "Admin" and valid password "admin123" and in the "Add" page in "Termination Reasons" tab under "Configuration" dropdown in "PIM" tab.

When the user clicks in the text field

Then the text field should accept user input

TC_003

Description: To validate the functionality of "Cancel" button on adding to the list on "Termination Reasons".

Given the user is logged in to the website "https://opensource-demo.orangehrmlive.com/web/index.php/auth/login" in chrome web browser using the valid username "Admin" and valid password "admin123" and in the "Add" page in "Termination Reasons" tab under "Configuration" dropdown in "PIM" tab.

When the user clicks on the "Cancel" button

Then the user should be redirected to the previous page (https://opensource-demo.orangehrmlive.com/web/index.php/pim/viewTerminationReasons)

TC_004

Description: To validate the functionality of "Save" button on adding to the list on "Termination Reasons".

Given the user is logged in to the website "https://opensource-demo.orangehrmlive.com/web/index.php/auth/login" in chrome web browser using the

valid username "Admin" and valid password "admin123" and in the "Add" page in "Termination Reasons" tab under "Configuration" dropdown in "PIM" tab.

When the user clicks on the "Save" button after adding the valid input

Then the inputshould be added to the list and the user should be redirected to (https://opensource-demo.orangehrmlive.com/web/index.php/pim/viewTerminationReasons)

Bug Report (Flaky bug)

Description: The field ask for Name on termination reason page instead of reason which may create a confusion

Steps to reproduce:

- Open chrome browser
- Open the site https://opensource-demo.orangehrmlive.com/web/index.php/auth/login
- Login using username: 'Admin' and password: admin123
- From the list select 'PIM' then go to 'Configuration' then go to 'Termination Reason' and click on 'Add' button. The input field is showing to input 'Name' instead it should ask to enter the 'Reason'

Time Stamp: 06/09/2024 10:55 AM

Severity: Low

Priority: Minor

Assignee: problem_dev

Expected Result: The user should be asked to enter Reason instead of Name.

TC_005

Description: To validate the functionality of checkbox in the 'Termination Reasons' List

Given the user is logged in to the website "https://opensource-demo.orangehrmlive.com/web/index.php/auth/login" in chrome web browser using the valid username "Admin" and valid password "admin123" and in the "Add" page in "Termination Reasons" tab under "Configuration" dropdown in "PIM" tab.

When the user clicks on the checkbox of the termination reason in the list

Then the user should be able to select that specific item from the list on which further functions can be performed that is deletion and updation

Name: Shobhit Agrawal

Submitted to: Mohammad Sohel Abbasi Sir

Date: 06/09/2024

Task 2: Implementing the CI/CD Pipeline using GitHub Actions

GitHub Repository Link:

[Shobhit130/OrangeHRMCaseStudy (github.com)](github.com)

Creating an Azure Virtual Machine

Step 1: Click on Create → Click on Azure Virtual Machine
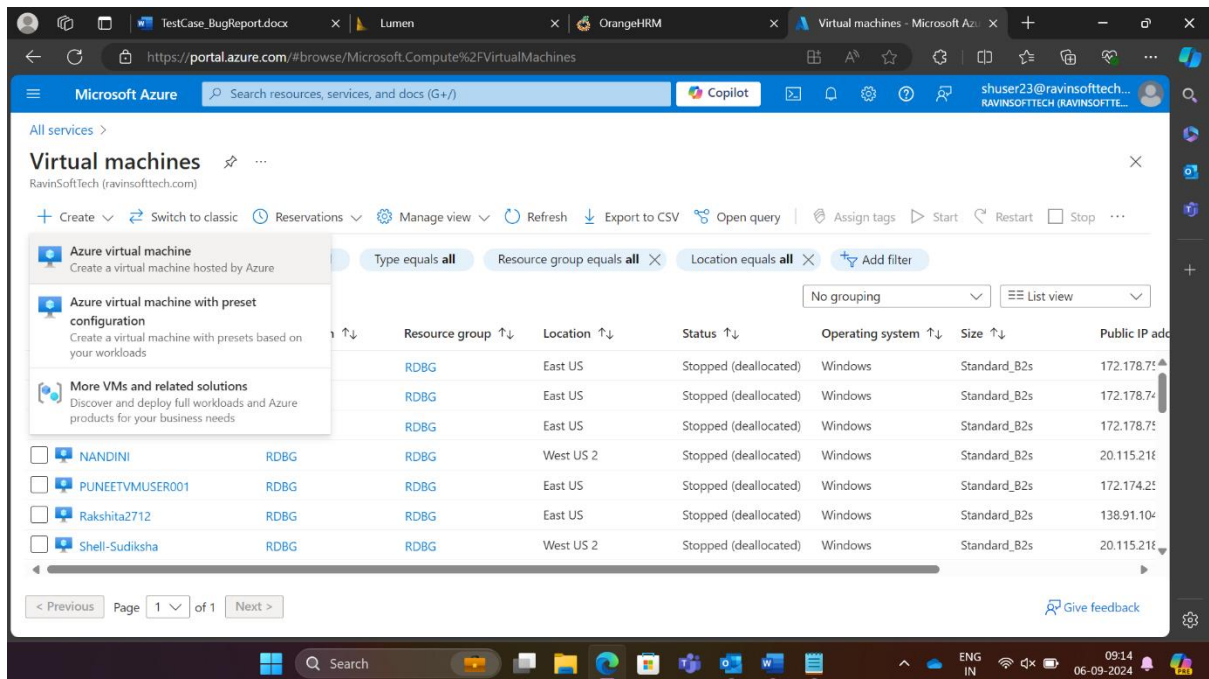
Step 2: Select the resource group as RDBG and give a unique name (VMShobhit) with Region (US) East US
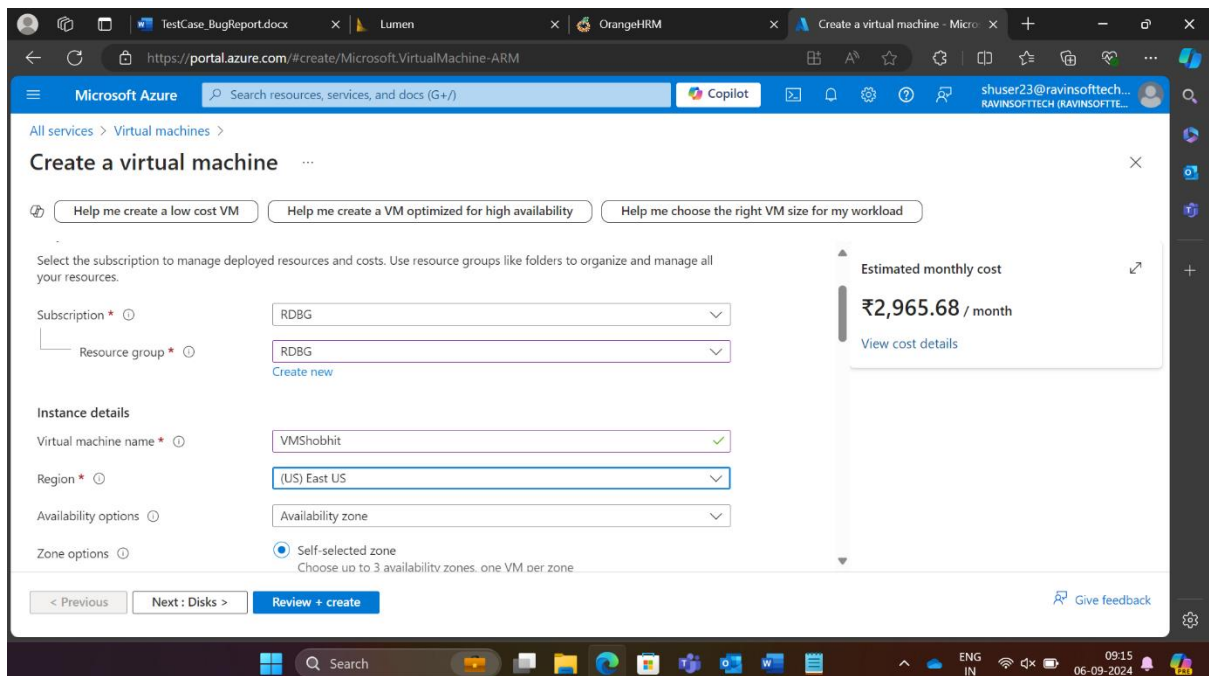
Step 3: Select Security type as Standard and Image as Windows 10 pro version 22H2 x64 gen 2 and VM architecture as x64

Step 4: Give username and password (as we received in the mail)

Step 5: In Select inbound ports, select all the available ports HTTP (80), HTTPS (443), SSH (22), RDP (3389) and check the Licensing checkbox

Step 6: Go to Next : Disks and select OS disk type as Standard HDD (Standard HDD (locally-redundant storage))

Step 7: Go to Next: Networking and create a unique Virtual network (ShobhitVM-net)

Step 8: Check the checkbox Delete public IP and NIC when VM is deleted

Step 9: Then go to Review+Create and once the validation is complete, click on Create
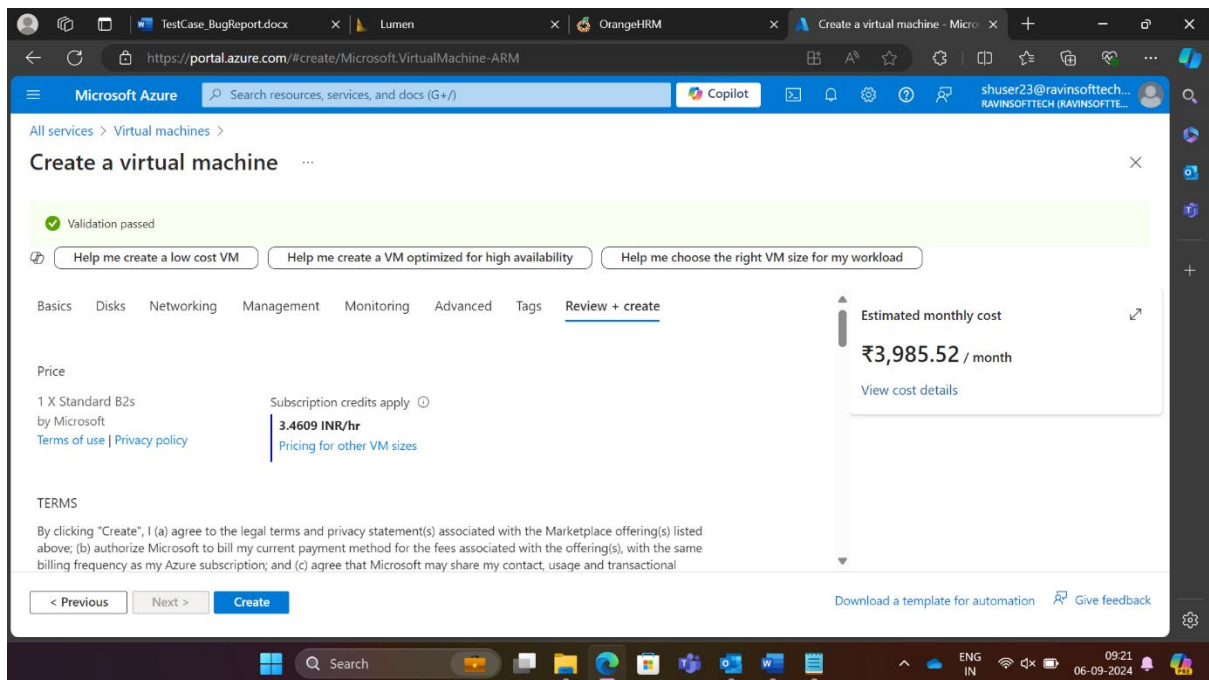
Step 10: The deployment will be in progress
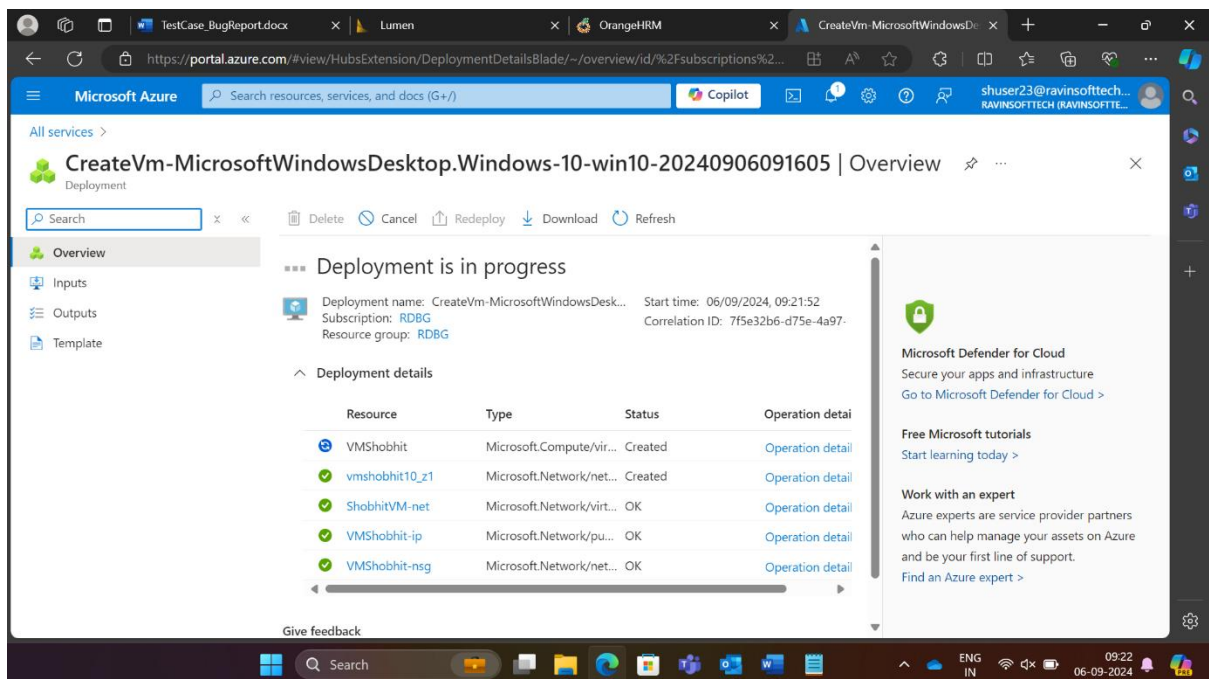
Step 11: Deployment successful

GitHub Action Workflow

After the VM creation, we make a GitHub Repository
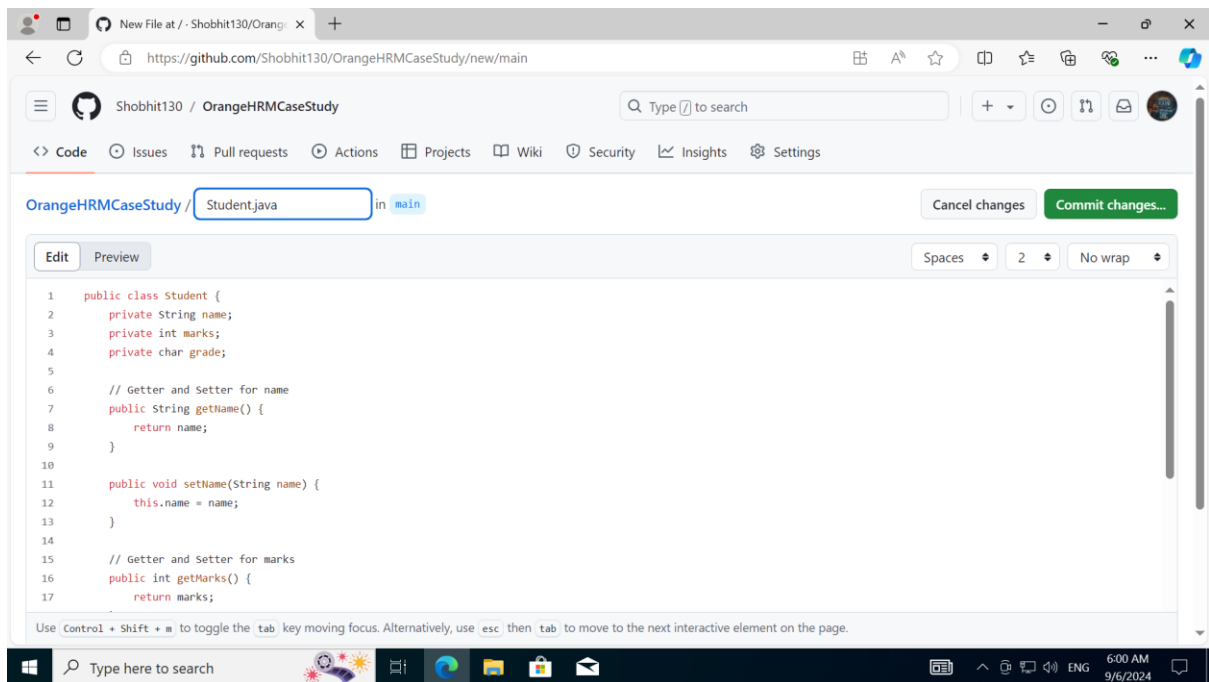
Step 1: Created a GitHub Repository "OrangeHRMCaseStudy"
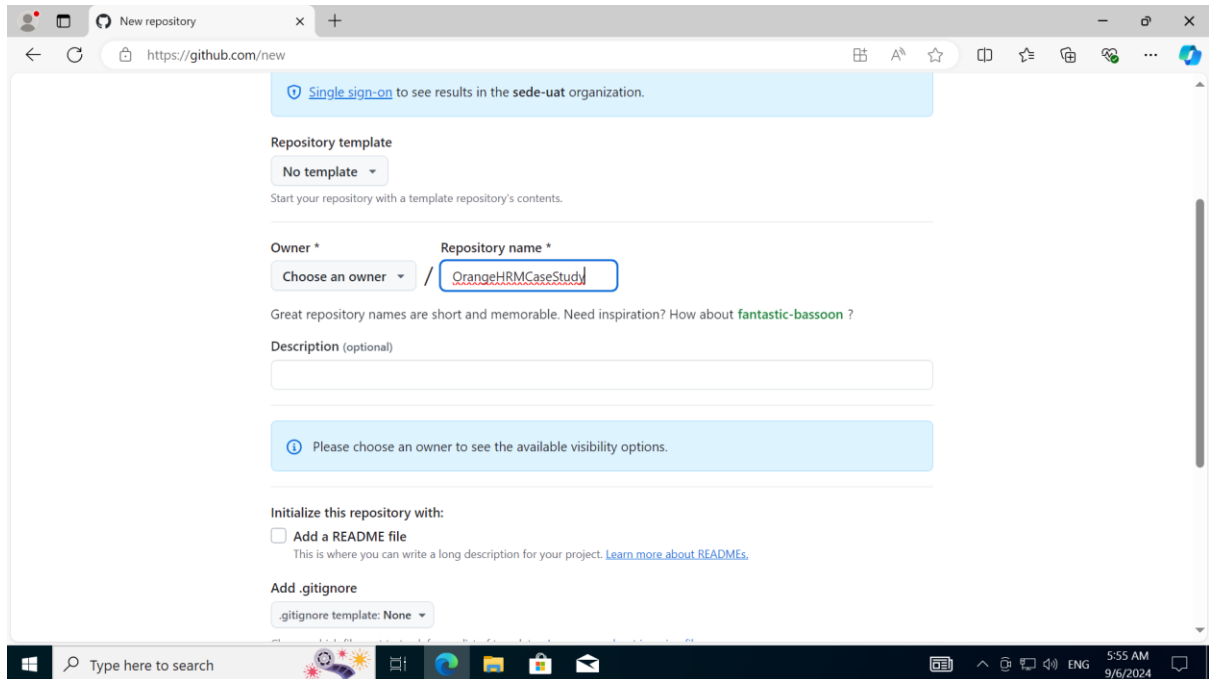
Step 2: The repository
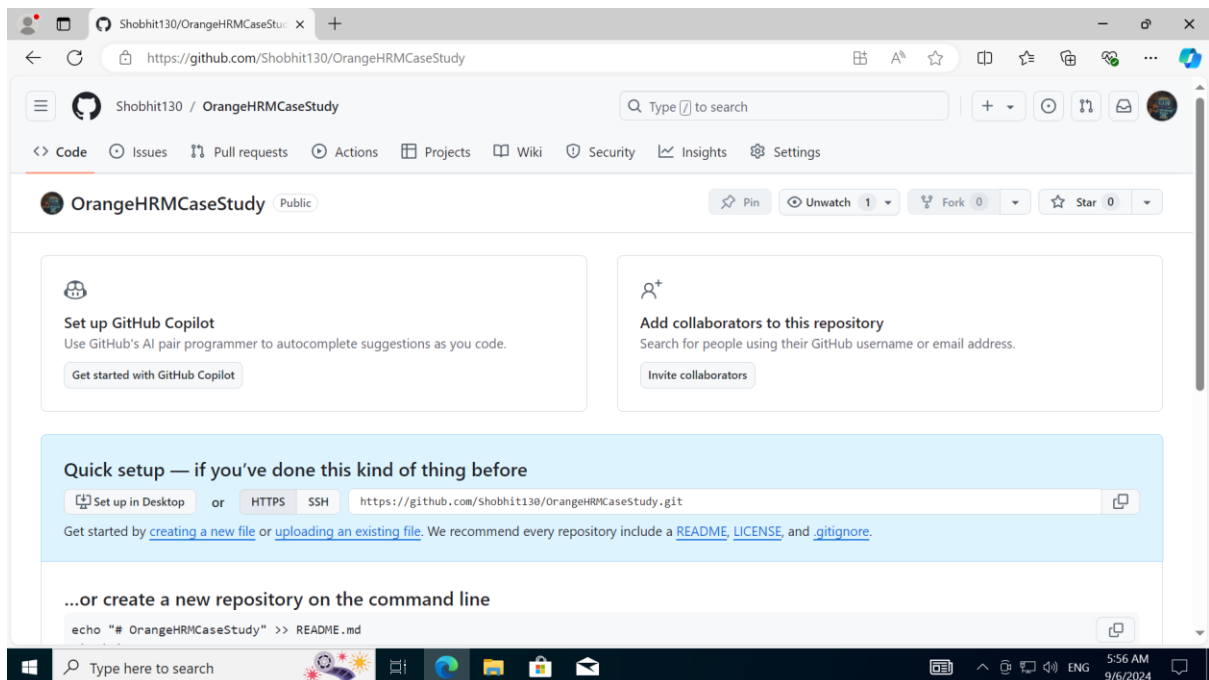
Step 3: Created a Java code "Student.java"

Step 4: The java code file in repository
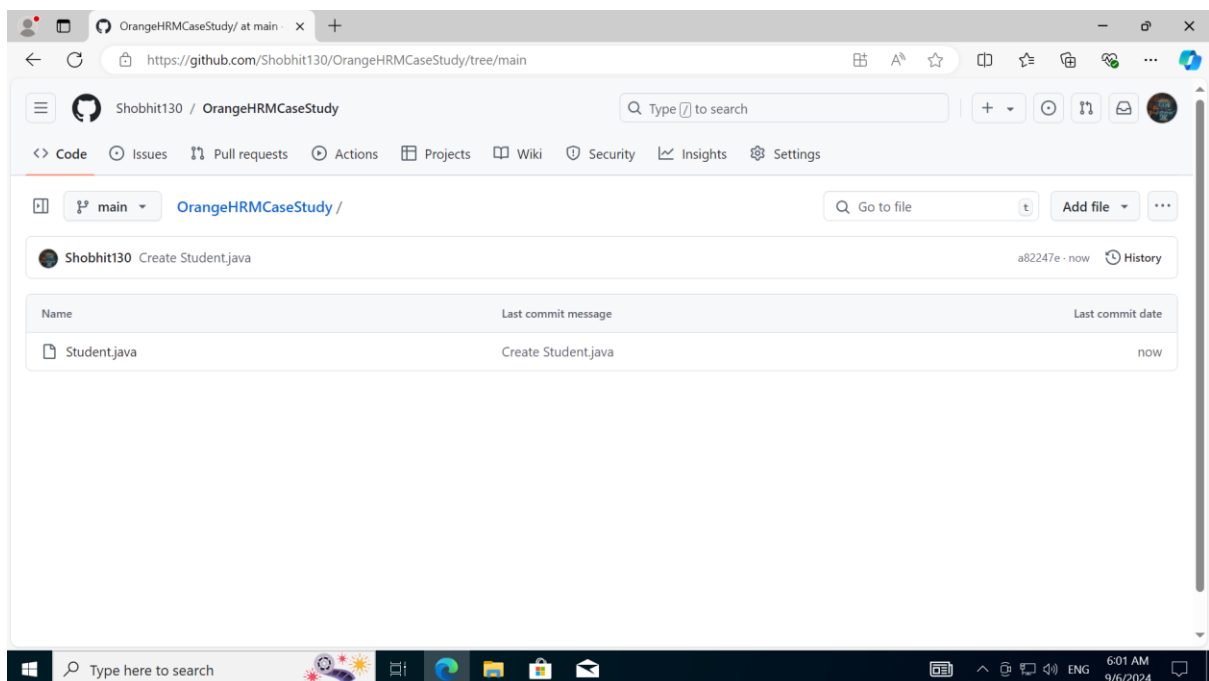
Step 5: Create a Java with Maven workflow in GitHub actions
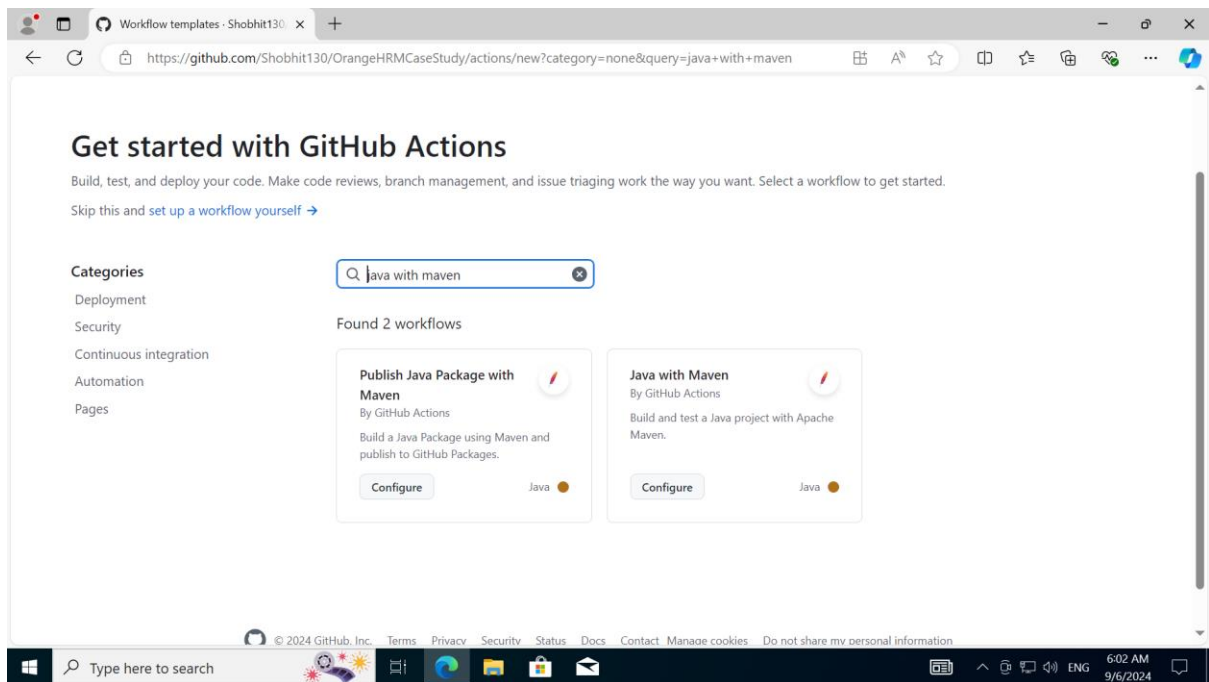
Step 6: A maven.yml file is created as shown below, we commented out the last 2 lines
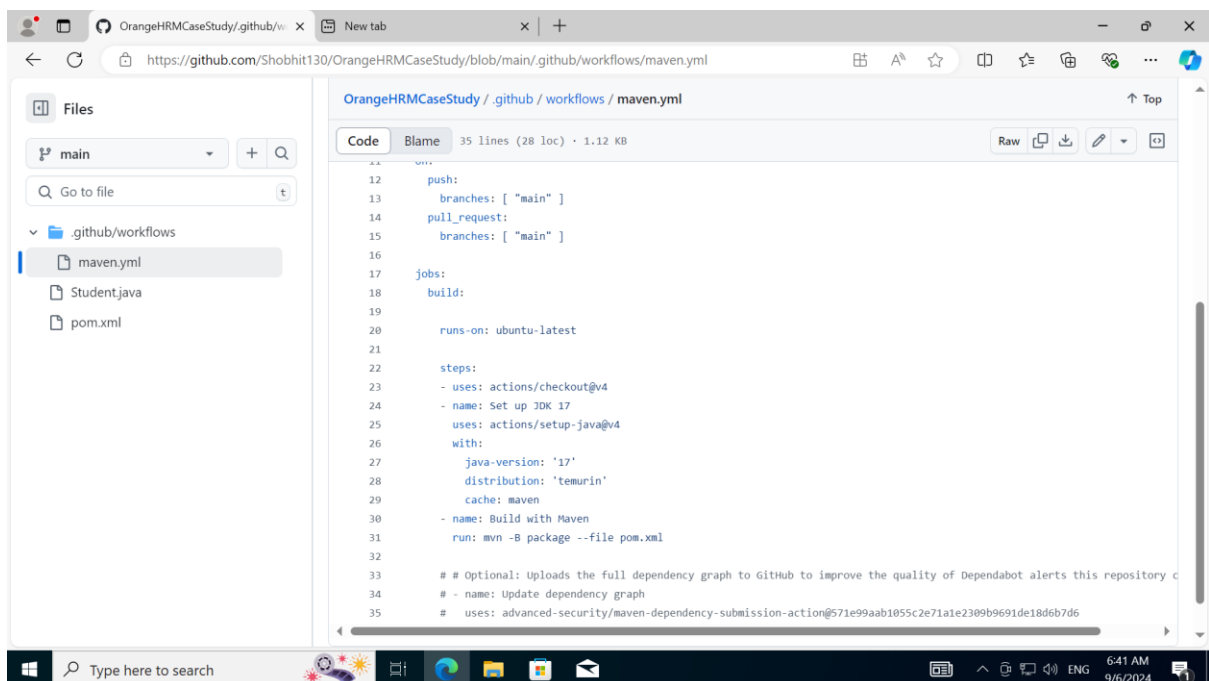
Step 7: We created a pom.xml file
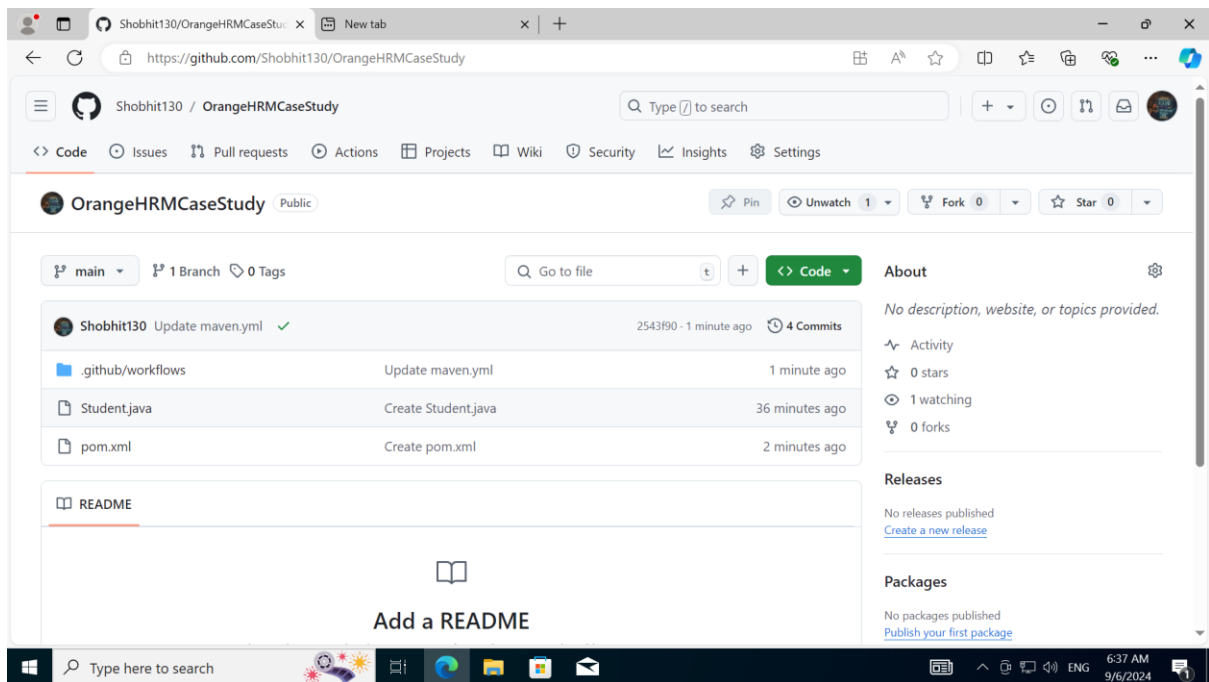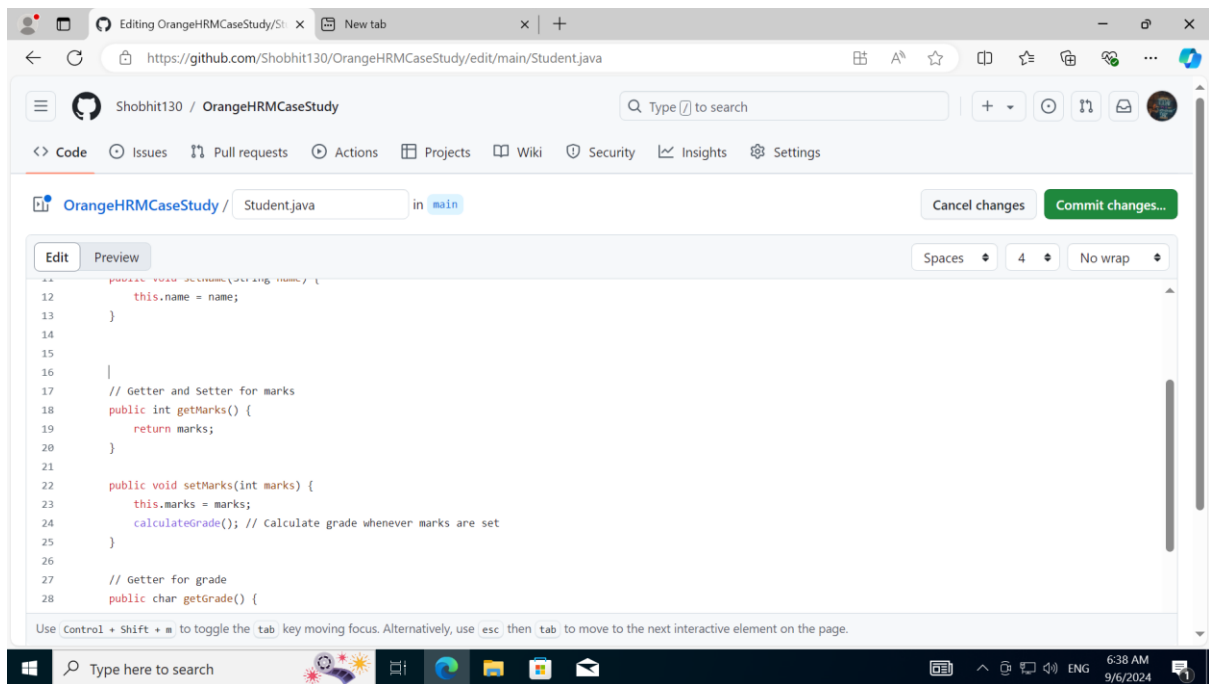
Step 8: We can see the initial build or workflow as the maven.xml file was updated previously (2 lines were commented out)
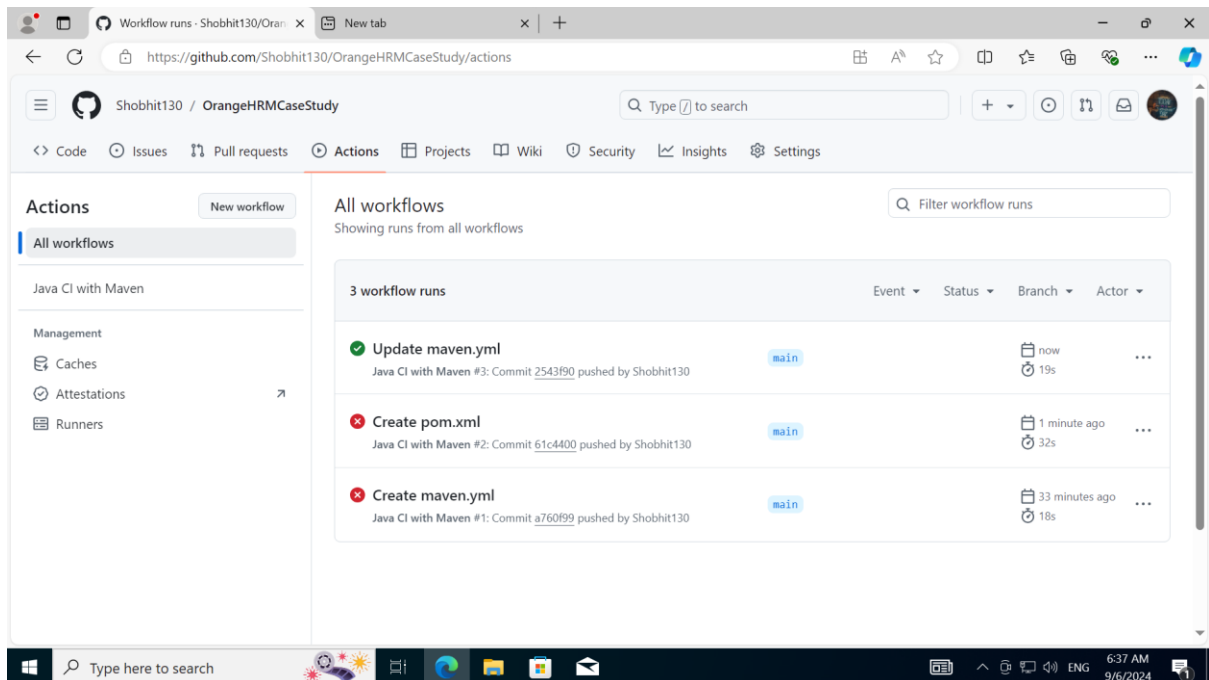
Step 9: Changes in the code file after the initial build

Changes : Gave some enters in the code file

Removed the highlighted comment in blue as shown below

Step 10: Now we can see the build is going on after the code updation
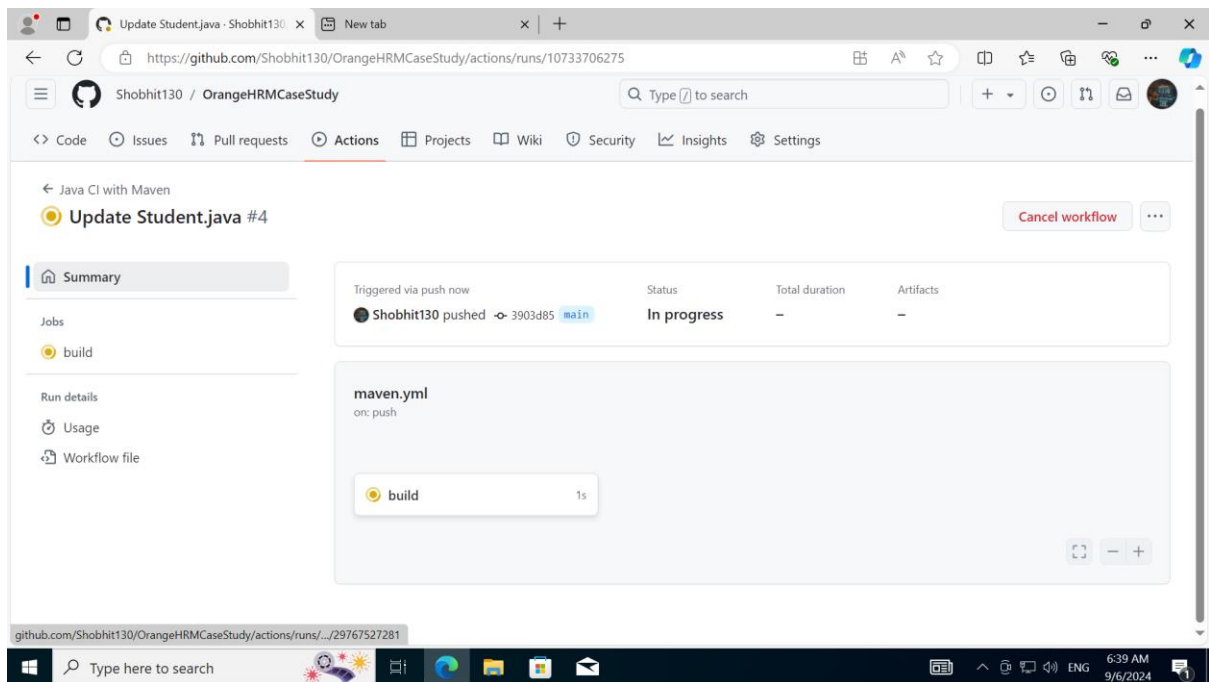
Step 11: We can see that the Update Student.java is successful