

FINAL CASE STUDY REPORT

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Website (OrangeHRM): <https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

USER STORIES and TEST CASES Report

User Story 01

LOGIN PAGE

As a user, I should be directed to the Login page upon clicking the application URL. In the Login page, the username and password fields should be available to enter my credentials. A login button should be present to submit the credentials and a 'forgot your password' link should be enabled.

USER ACCEPTANCE CRITERIA: Both the username and password fields should be editable, and the login button should be clickable. The 'forgot password' link should be clickable to reset the password.

Estimation: 2
priority: 1

Test Data

Valid USERNAME	Admin
Valid PASSWORD	admin123

Test Cases:

Test case 01- To check whether the user can enter credentials

Given the user is able to access the OrangeHRM website
(<https://opensourcedemo.orangehrmlive.com/web/index.php/auth/login>).
When user clicks on the "username" and "password" fields
Then user should be able to type the username and password.

Test case 02- To check whether the password field is masked

Given the user is able to access the OrangeHRM website
(<https://opensourcedemo.orangehrmlive.com/web/index.php/auth/login>).
When user clicks on the "password" field
And starts typing the password
Then the password should be displayed as masked (i.e. dots)

Test case 03- check with Valid username and Valid password

Given the user is able to access the OrangeHRM website
(<https://opensourcedemo.orangehrmlive.com/web/index.php/auth/login>).
When user enters valid username and password
And clicks on the login button
Then user should be redirected to the Dashboard page.

Test case 04- check with invalid credentials

Given the user is able to access the OrangeHRM website
(<https://opensourcedemo.orangehrmlive.com/web/index.php/auth/login>).
When user enters invalid username and valid password / valid username and invalid password/
invalid username and invalid password
Then 'Invalid credentials' message should appear.

Test case 05- To check whether the Login button works properly

Given the user enters valid username and password
When the user clicks on the Login button
Then user should be redirected to the Dashboard page.

User Story 02

MY INFO PAGE

As a user, after logging in into the orangeHRM application, upon clicking on the 'My Info' option in the sidebar, a list of user's personal details and link options should be available in the left sidebar (User image, name, Personal details, Contact Details, Emergency Contacts, Dependents, Immigration, Job, Salary, Report-to, Qualifications and Memberships).

USER ACCEPTANCE CRITERIA: Upon clicking my info page, a sidebar with personal and job detail links should appear and every link should be clickable and relevant information should be displayed upon selecting a particular link.

Estimation: 5
priority: 3

Test Cases:

Test case 06- Check if all the details are displayed upon clicking my Info

Given user is logged I into the Application

When the user clicks on 'My info' in the sidebar

Then user personal details and job information links should appear as sidebar.

Test case 07- Check validity of dates entered in the 'Personal details' sidebar

Given user clicked on 'My info' in the sidebar

When the user clicks on 'personal details' options

And the user enters a particular date for DOB and License Expiry Date

Then only valid dates should be accepted and saved.

And for invalid dates, warning message should be displayed.

Test case 08- Check if text fields can be edited in the 'Personal Details' options

Given user clicked on the 'my info' in the sidebar

When the user clicks on the 'Personal details' option

And clicks on any text field

Then the user should be able to type or change the information in the fields.

Test case 09- Check if details are updated in the 'Personal Details' page upon clicking save

Given the user clicked on the 'my info' in the side page

When the user clicks on 'Personal Details' page

And the user edits any editable text field

And the user click on the save button

Then the details should be updated and 'saved successfully' information should be displayed.

Test case 10- Change background color of button on hover

Given the user clicked on the 'my info' in the side page

When the user hovers over any of the options in the sidebar

Then the background color of the option button should change from grey to orange on hovering on the option.

And the background color of the option button should change from orange to gray on hovering away from the option.

User Story 03

User profile Dropdown menu

As a user of OrangeHRM website, when I click on the profile button a dropdown menu should appear.

ACCEPTANCE CRITERIA:

- The profile button should display the user's avatar and name.
- When clicked the dropdown menu should appear with the following options – About, Support, Change Password, Logout
- Each sub option should be clickable and lead to respective functionality

Estimate: L

Priority: 1

TEST CASES:

Test case 11

Description: Verify that the profile button with the user's avatar and name is visible when the user is logged in.

Given the user is logged into the application.

When the user navigates to the homepage or dashboard.

Then the profile button with the user's avatar and name should be visible in the top right corner of the screen.

Test case 12

Description: Verify that clicking the profile button opens the dropdown menu.

Given the user is logged in, and the profile button is visible.

When the user clicks on the profile button.

Then the dropdown menu should appear, displaying options: "About," "Support," "Change Password," and "Logout."

Test case 13

Description: Verify that the dropdown menu closes when the user clicks outside of it.

Given the profile dropdown menu is open.

When the user clicks outside of the dropdown menu.

Then the dropdown menu should close.

Test case 14

Description: Verify that clicking on the "Logout" option logs the user out of the application.

Given the user is logged in, and the profile dropdown menu is open.

When the user clicks on the "Logout" option.

Then the user should be logged out and redirected to the login page.

Test case 15

Description: Verify that clicking the "Change Password" option opens the change password interface.

Given the profile dropdown menu is open.

When the user clicks on the "Change Password" option.

Then the change password interface should be displayed, allowing the user to input current password, password and confirm password.

User Story 04

Accessing Help resources from home page

Description

As a user of the OrangeHRM website,
When I click on help button I should be able to access help resources.

Acceptance Criteria:

- 1 The question mark icon should be visible on the dashboard's top-right corner.
- 2 When the user clicks on the question mark icon, it should open a new page displaying the help resources.
- 3 The help resources page should contain sections such as "Admin User Guide," "Employee User Guide," "Mobile App," "AWS Guide," and "FAQs."
- 4 A search bar should be present on the help resources page to allow users to search for specific topics.

Estimation: 4
priority: 4

Testcases:

Test case 16 Visibility of the Help Icon on the Dashboard

Given the user is logged into the OrangeHRM system
When the user navigates to the dashboard
Then the help icon (question mark) should be visible in the top-right corner of the page

Test case 17 Redirection to Help Resources Page

Given the user is on the OrangeHRM dashboard
When the user clicks on the help icon (question mark)
Then the system should open the help resources page

Test case 18 Verify Help Resources Page Sections

Given the user is on the help resources page

Then the page should contain sections:

- 1) Admin User Guide
- 2) Employee User Guide
- 3) Mobile App
- 4) AWS Guide
- 5) FAQs

Test case 19 Search Functionality on Help Resources Page

Given the user is on the help resources page

When the user enters "Leave Policy" in the search bar

And the user clicks the search button

Then relevant results for "Leave Policy" should be displayed

Test case 20 Functional Links on Help Resources Page

Given the user is on the help resources page

When the user clicks on any section (e.g., "Admin User Guide," "Employee User Guide")

Then the system should navigate to the selected section's detailed page.

User Story 05

BUZZ PAGE

As an employee, I want to use the Buzz page in OrangeHRM so that I can engage with my colleagues by posting updates, sharing achievements, and commenting on posts.

Acceptance Criteria:

The user should be able to access the Buzz page by clicking on the "Buzz" link in the sidebar.

Upon clicking, the user should be redirected to the Buzz page. The user should be able to click the “Heart” icon on any post to like a post.

The like count on the post should increment, and the post should indicate that the user has liked it. The user should be able to click the “Comment” icon on any post to comment on it.

After typing a comment and clicking “Submit,” the comment should be added to the post and visible to all employees.

Test Cases

Test case 21: Buzz Page Accessibility

Given: The user is logged into OrangeHRM. **When:** The user clicks on the “Buzz” link in the sidebar. **Then:** The user should be redirected to the Buzz page.

Test case 22: Post an Update

Given: The user is on the Buzz page. **When:** The user types a message in the “What’s on your mind?” text box and clicks the “Post” button. **Then:** The message should be added to the Buzz feed and visible to all employees.

Test Data:

- Message: “Excited to share our team’s latest achievement!”

Test case 23: Upload Photos and Videos

Given: The user is on the Buzz page. **When:** The user clicks on “Share photos” or “Share videos” and uploads a file. **Then:** The photo or video should be attached to the post.

Test Data:

- Photo: “team_photo.jpg”
- Video: “project_demo.mp4”

Test case 24: Like a Post

Given: The user is on the Buzz page. **When:** The user clicks the “Heart” icon on a post. **Then:** The like count on the post should increment, and the post should indicate that the user has liked it. **Test Data:**

- Post ID: 12345

Test case 25: Comment on a Post

Given: The user is on the Buzz page.**When:** The user clicks the “Comment” icon on a post, types a comment, and clicks “Submit”.**Then:** The comment should be added to the post and visible to all employees.

Test Data:

- Post ID: 12345
- Comment: “Great job, team!”

Requirement Traceability Matrix:

Requirement ID	Requirement Description	Test Case ID	Test Case Description
R01	User should be able to enter credentials	TC01	To check whether the user can enter credentials
R02	Password field should be masked	TC02	To check whether the password field is masked
R03	User should be able to log in with valid credentials	TC03	Check with valid username and valid password
R04	System should display an error message for invalid credentials	TC04	Check with invalid credentials
R05	Login button should work properly	TC05	To check whether the Login button works properly
R06	Sidebar with personal and job detail links should appear on 'My Info' page	TC06	Check if all the details are displayed upon clicking 'My Info'
R07	Only valid dates should be accepted in 'Personal details' sidebar	TC07	Check validity of dates entered in the 'Personal details' sidebar
R08	Text fields in 'Personal details' should be editable	TC08	Check if text fields can be edited in the 'Personal Details' options
R09	Details should be updated and saved successfully in 'Personal Details' page	TC09	Check if details are updated in the 'Personal Details' page upon clicking save
R10	Background color of sidebar options should change on hover	TC10	Change background color of button on hover

AZURE DEVOPS

USER STORY CREATION:

The screenshot shows the 'ISSUE 12' page in Azure DevOps. The title is '12 Accessing the Buzz Page for Employee Engagement'. The creator is 'Mriga Arora'. The state is 'To Do', the area is 'CaseStudy1', and the reason is 'Added to backl...'. The iteration is 'CaseStudy1\Sprint 1'. The description includes a user story and acceptance criteria. The planning section shows priority 4 and effort 6. The deployment section has instructions on how to track releases. The development section has a link to add an Azure Repos commit or pull.

State: To Do
Area: CaseStudy1
Reason: Added to backl...
Iteration: CaseStudy1\Sprint 1

Description

User Story: As an employee, I want to use the Buzz page in OrangeHRM so that I can engage with my colleagues by posting updates, sharing achievements, and commenting on posts.

Acceptance Criteria:

1. Buzz Page Accessibility
The user should be able to access the Buzz page by clicking on the "Buzz" link in the sidebar.
Upon clicking, the user should be redirected to the Buzz page.
2. Post an Update
The user should be able to type a message in the "What's on your mind?" text box.

Planning

Priority: 4
Effort: 6

Deployment

To track releases associated with this work item, go to [Releases](#) and turn on deployment status reporting for Boards in your pipeline's Options menu. [Learn more about deployment status reporting](#)

Development

+ Add link

Link an Azure Repos [commit](#), [pull](#)

List of user stories:

The screenshot shows the 'CaseStudy1 Team' backlog in Azure DevOps. The view is set to 'Backlog'. The list of user stories is as follows:

Order	ID	Title	Assigned To	State	Tags
1	11	Login Page	Mriga Arora	Doing	
2	6	Sidebar Navigation	Mriga Arora	To Do	
3	7	User Profile Dropdown Menu		To Do	
4	13	Employee Directory Search Functionality		To Do	
5	8	Dashboard		To Do	
6	9	Accessing Help Resources from Home Page		To Do	
7	10	Accessing Admin User Management from Dashboard		To Do	
8	12	Accessing the Buzz Page for Employee Engagement	Mriga Arora	To Do	
9	14	Maintenance Option Requiring Administrator Access		To Do	

SPRINT 1 Created along with added user stories:

Azure DevOps mrigaarora02 / CaseStudy1 / Boards / Sprints

CaseStudy1 Team

No iteration dates
Set dates

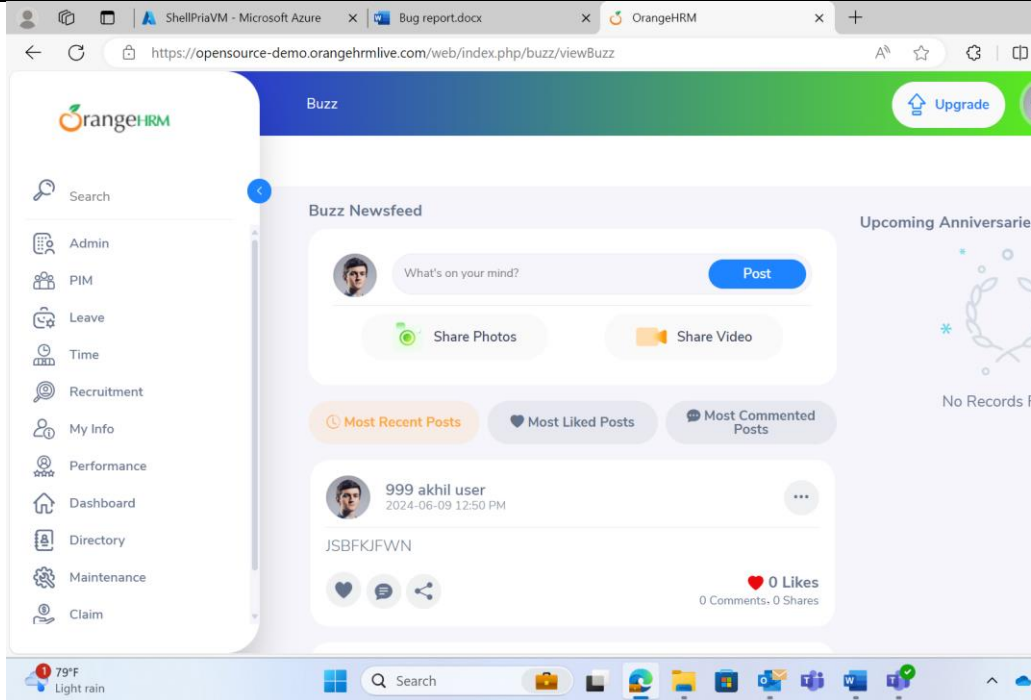
Taskboard Backlog Capacity Analytics + New Work Item ... Sprint 1 Person: All

Collapse all

	To Do 3 h	Doing	Done
6 Sidebar Navigation MA Mriga Arora State To Do	+	17 Check > button Unassigned State Doing	
7 User Profile Dropdown Menu Unassigned State To Do	+		
13 Employee Directory Search Functionality Unassigned State To Do	+		

BUG REPORT:

BUG 01

Description	<p>Heart Icon Does Not Change Color on Hover</p> <p>When the user hovers over the “Heart” icon to like a post, the icon does not change color to indicate that it is clickable.</p>
Steps to reproduce bug	<ol style="list-style-type: none">1. Log in to OrangeHRM.2. Navigate to the Buzz page in the side navigation bar.3. Hover over the “Heart” icon on any post.
Timestamp	9/6/24 12:07 pm
Priority	low
Severity	low
Assignee	Priadarshni
Screenshot/proof	 A screenshot of a web browser displaying the OrangeHRM Buzz page. The browser's address bar shows the URL 'https://opensource-demo.orangehrmlive.com/web/index.php/buzz/viewBuzz'. The page features a sidebar with navigation links like Search, Admin, PIM, Leave, Time, Recruitment, My Info, Performance, Dashboard, Directory, Maintenance, and Claim. The main content area, titled 'Buzz Newsfeed', includes a post creation section with a 'Post' button and 'Share Photos'/'Share Video' options. Below this are tabs for 'Most Recent Posts', 'Most Liked Posts', and 'Most Commented Posts'. A post by '999 akhil user' is visible, showing a profile picture, name, timestamp, and a heart icon. The heart icon is currently grey, indicating it has not been liked. The bottom of the screenshot shows a Windows taskbar with a search bar and various application icons.

Bug 02

Title: License Expiry Date Updates with Invalid Dates in 'My Info' Page

Description: When a user enters an invalid date for the License Expiry Date in the 'Personal Details' section of the 'My Info' page, the date is still accepted and saved without displaying a warning message. This issue allows invalid dates to be stored in the system.

Steps to Reproduce:

1. Navigate to the 'My Info' page from the sidebar.
2. Click on the 'Personal Details' option.
3. Enter an invalid date (e.g., 31/02/2024) in the License Expiry Date field.
4. Save the changes.

Expected Result:

- Only valid dates should be accepted and saved.
- A warning message should be displayed for invalid dates.

Actual Result:

- Invalid dates are accepted and saved without any warning message.

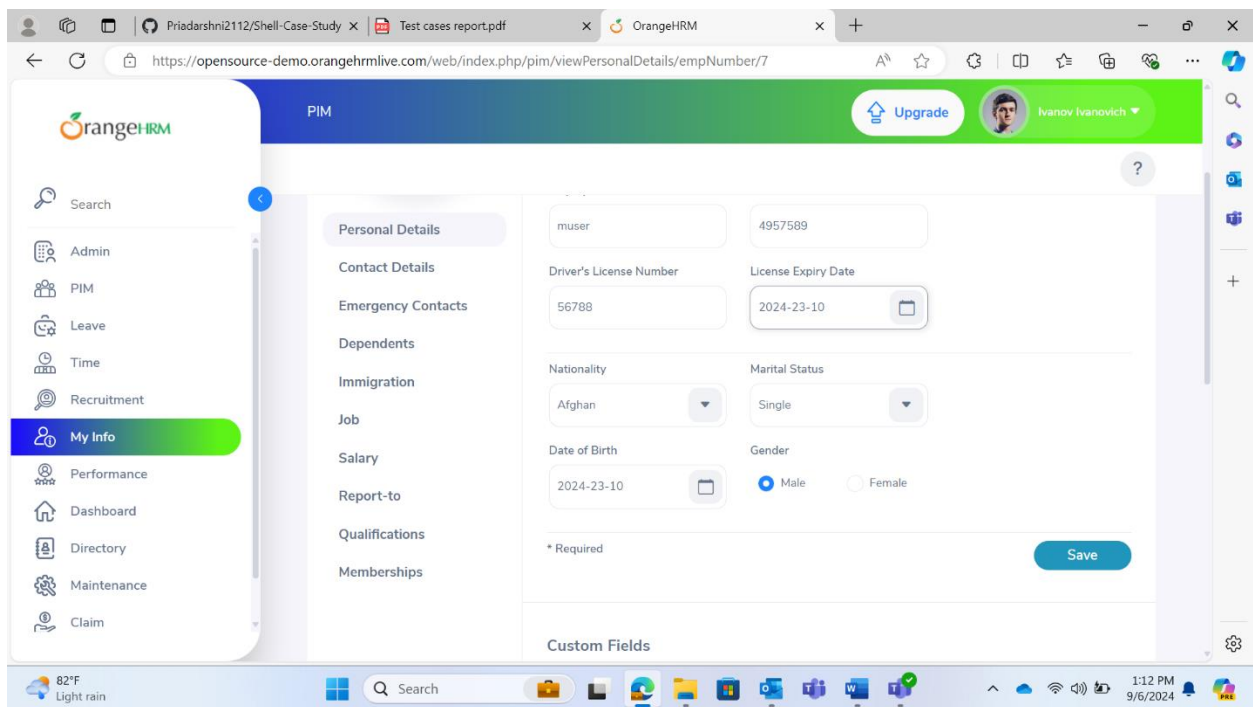
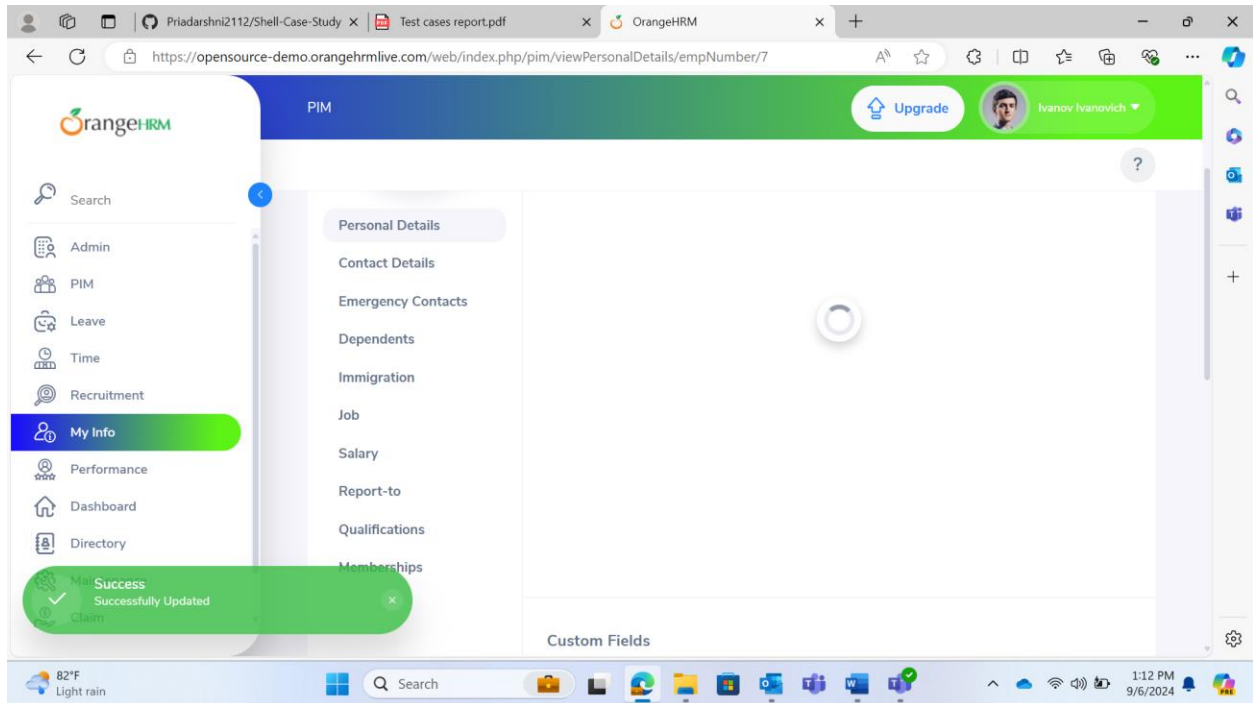
Severity: High

Priority: High

Environment:

- OS: Windows 10
- Browser: Google Chrome Version 92.0.4515.107
- Application Version: OrangeHRM 4.8

Attachments/proof

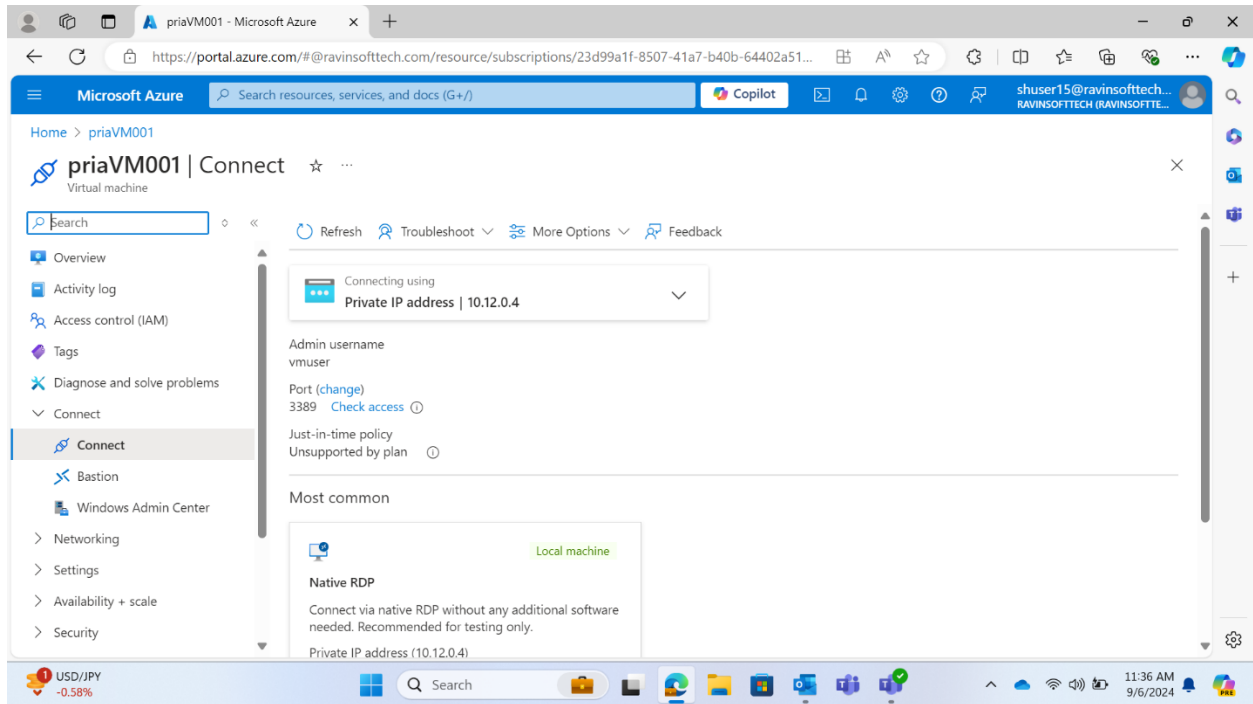


AZURE VM CREATION

Log into azure

Create a vm

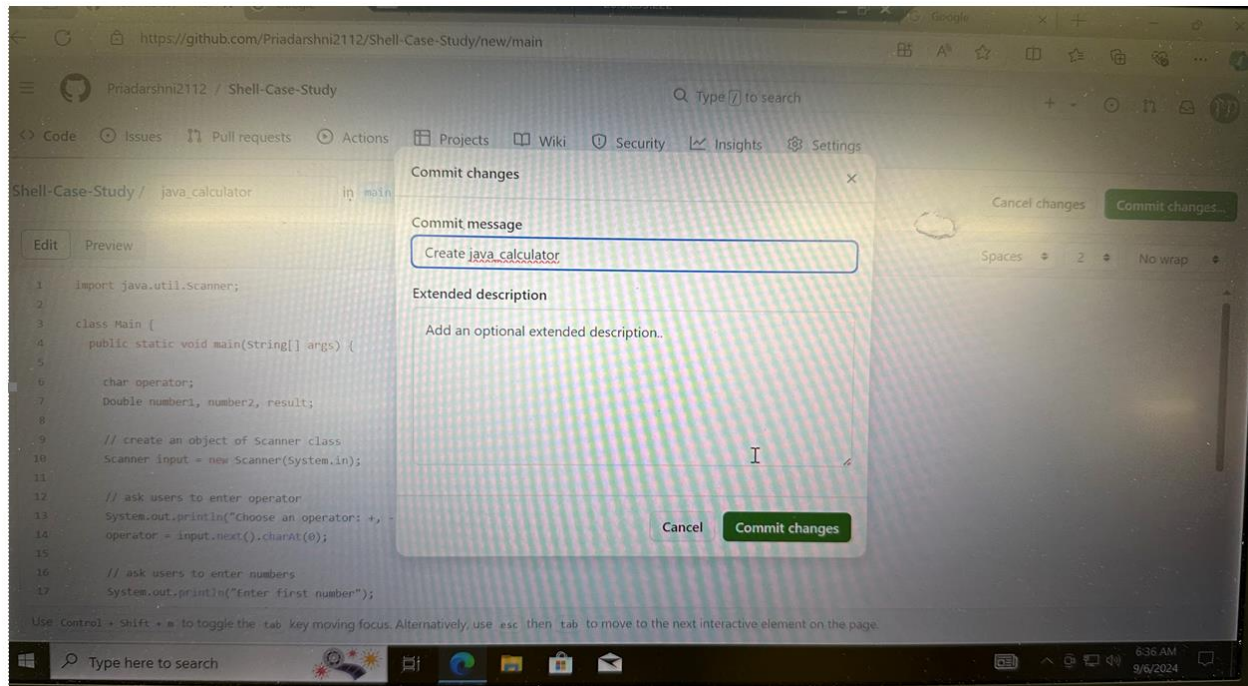
And run the rdp file to connect and activate the vm



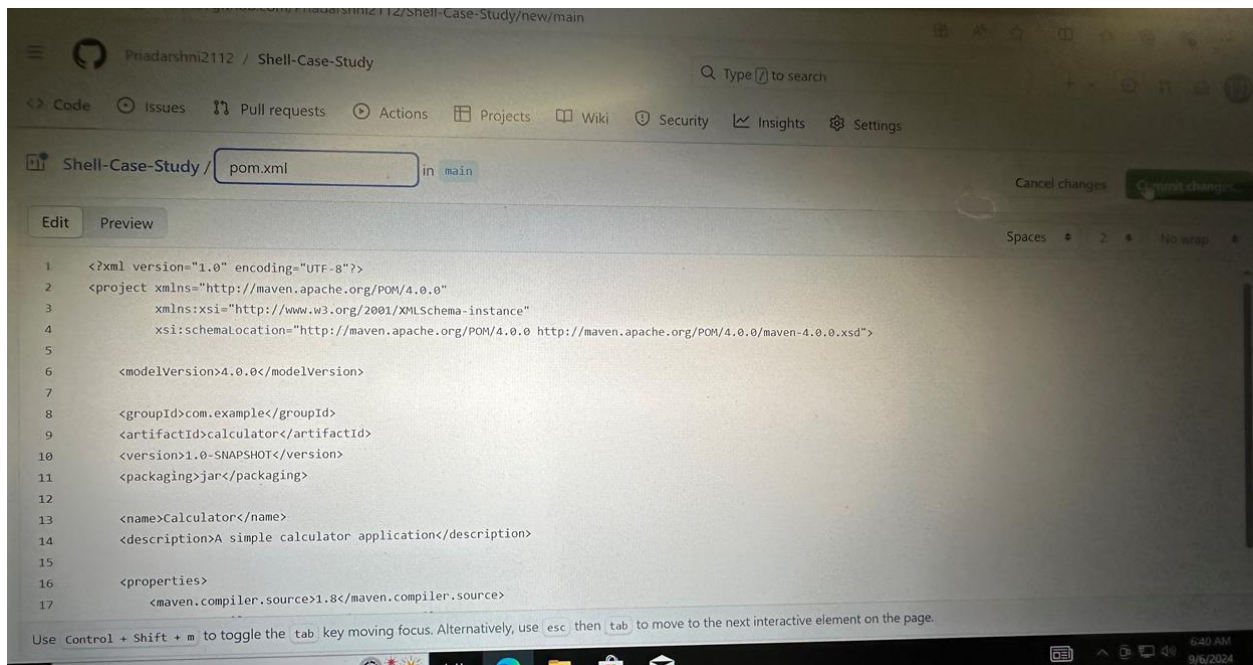
LOG IN into GitHub through created VM

Create a repository ([Priadarshni2112/Shell-Bootcamp \(github.com\)](https://github.com/Priadarshni2112/Shell-Bootcamp))

Add the java code file

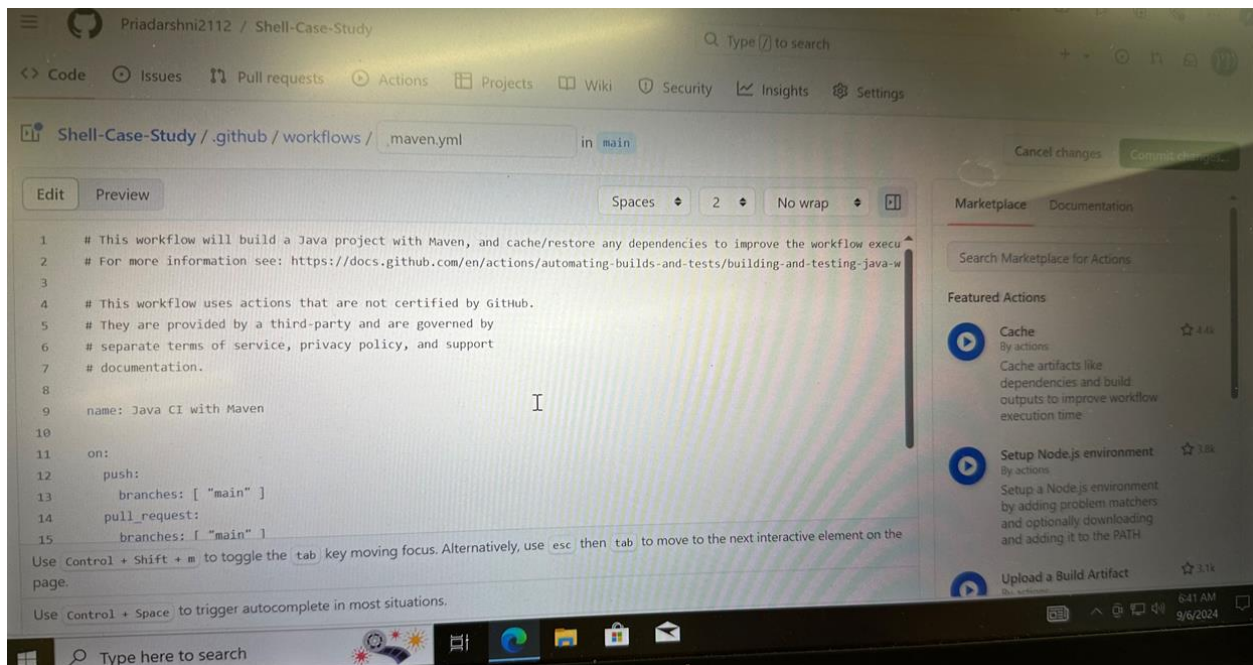


Create pom.xml file and commit

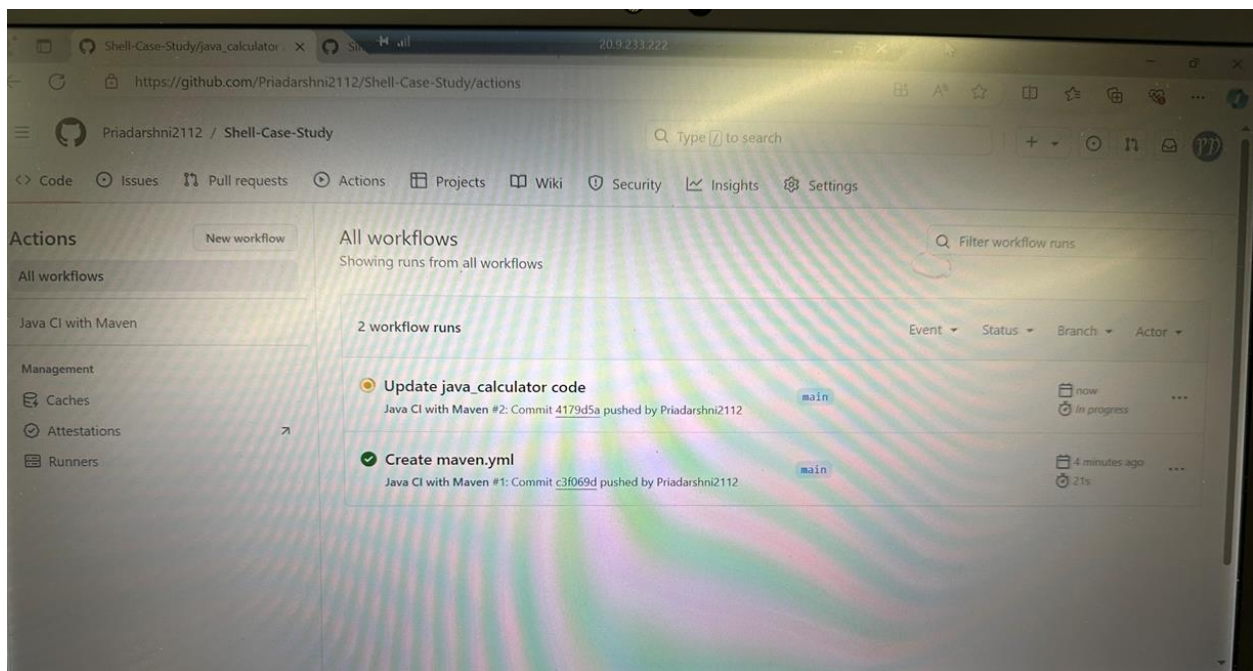


Next, go to Actions and select 'Java with maven'

It creates a yml file



Ensure the code is build without errors in the workflow runs.



All files are committed to the main branch of the Shell-Case-Study repo

