

UNext CASE STUDY

Mriga Arora
INMASG

GITHUB LINK: [mrigaarora/UnextCaseStudy \(github.com\)](https://github.com/mrigaarora/UnextCaseStudy)

1. Azure VM Creation

The screenshot displays the Azure portal interface for managing virtual machines. At the top, the 'Virtual machines' page is shown for the subscription 'RavinSoftTech (ravinsofttech.com)'. Below the header, there are filters and a table of existing VMs. The table lists VMs such as 'AchintVM', 'CICD', 'Manye', 'NANDINI', 'PUNEETVMUSER001', 'Rakshita2712', and 'Shell-Sudiksha', all with a status of 'Stopped (deallocated)'. Below the table, a dropdown menu is open, showing three options: 'Azure virtual machine', 'Azure virtual machine with preset configuration', and 'More VMs and related solutions'. The 'Azure virtual machine' option is highlighted with a red box.

Virtual machines
RavinSoftTech (ravinsofttech.com)

+ Create ▾ Switch to classic ⌚ Reservations ▾

Filter for any field... Subscription equals all Type equals all Resource group equals all Location equals all Add filter

Showing 1 to 28 of 28 records. No grouping List view

Name	Subscription	Resource group	Location	Status	Operating system	Size	Public IP address
AchintVM	RDBG	RDBG	East US	Stopped (deallocated)	Windows	Standard_B2s	172.178.71
CICD	RDBG	RDBG	East US	Stopped (deallocated)	Windows	Standard_B2s	172.178.71
Manye	RDBG	RDBG	East US	Stopped (deallocated)	Windows	Standard_B2s	172.178.71
NANDINI	RDBG	RDBG	West US 2	Stopped (deallocated)	Windows	Standard_B2s	20.115.216
PUNEETVMUSER001	RDBG	RDBG	East US	Stopped (deallocated)	Windows	Standard_B2s	172.174.21
Rakshita2712	RDBG	RDBG	East US	Stopped (deallocated)	Windows	Standard_B2s	138.91.10
Shell-Sudiksha	RDBG	RDBG	West US 2	Stopped (deallocated)	Windows	Standard_B2s	20.115.216

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Virtual machines

RavinSoftTech (ravinsofttech.com)

+ Create ▾ Switch to classic ⌚ Reservations ▾

- Azure virtual machine**
Create a virtual machine hosted by Azure
- Azure virtual machine with preset configuration**
Create a virtual machine with presets based on your workloads
- More VMs and related solutions**
Discover and deploy full workloads and Azure products for your business needs

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Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the right VM size for my workload

Basics

Disks

Networking

Management

Monitoring

Advanced

Tags

Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *

RDBG

Resource group *

RDBG

Create new

Instance details

Estimated monthly cost

₹2,965.68 / month

[View cost details](#)

Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the right VM

Instance details

Virtual machine name *

mrigavm

Region *

(US) East US

Availability options

Availability zone

Zone options

☒ Self-selected zone

Choose up to 3 availability zones, one VM per zone

☐ Azure-selected zone (Preview)

Let Azure assign the best zone for your needs

Using an Azure-selected zone is not supported in region 'East US'.

Availability zone *

Zone 1

You can now select multiple zones. Selecting multiple zones will create one VM per zone. [Learn more](#)

Security type

Standard

Image *

Ubuntu Server 24.04 LTS - x64 Gen2

[See all images](#) | [Configure VM generation](#)

This image is compatible with additional security features. [Click here to swap to the Trusted launch security type.](#)

VM architecture

☐ Arm64

☒ x64

Run with Azure Spot discount

☐

Size *

Standard_B2s - 2 vcpus, 4 GiB memory (₹2,526.46/month)

[See all sizes](#)

Item(s) availability based on policy assignment(s) for the selected scope.

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Password

Username *

Password *

Confirm password *

vmuser

.....

.....

✓

✓

✓

✓ Username must only contain letters, numbers, hyphens, and underscores and may not start with a hyphen or number.

✓ Usernames must not include reserved words.

✓ The value is in between 1 and 64 characters long.

View cost details

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports *

None

Allow selected ports

Select inbound ports *

SSH (22)

[Learn more about enabling this feature](#)

OS disk

OS disk size

Image default (30 GiB)

OS disk type *

Premium SSD (locally-redundant storage)

Delete with VM

✓

Key management

Platform-managed key

Enable Ultra Disk compatibility

Data disks for mrigavm

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a

< Previous

Next : Networking >

Review + create

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Virtual network * ⓘ

(new) mrigavm-vnet

Create new

Subnet * ⓘ

(new) default (10.10.0.0/24)

Public IP ⓘ

(new) mrigavm-ip

Create new

NIC network security group ⓘ

☐ None

☒ Basic

☐ Advanced

Public inbound ports * ⓘ

☐ None

☒ Allow selected ports

Select inbound ports *

HTTP (80), HTTPS (443), SSH (22), RDP (3389)

< Previous

Next : Management >

Review + create

Delete public IP and NIC when VM is deleted ⓘ

☒

Enable accelerated networking ⓘ

☐

The selected VM size does not support accelerated networking.

Load balancing

You can place this virtual machine in the backend pool of an existing Azure load balancing solution. [Learn more](#)

Load balancing options ⓘ

☒ None

☐ Azure load balancer
Supports all TCP/UDP network traffic, port-forwarding, and outbound flows.

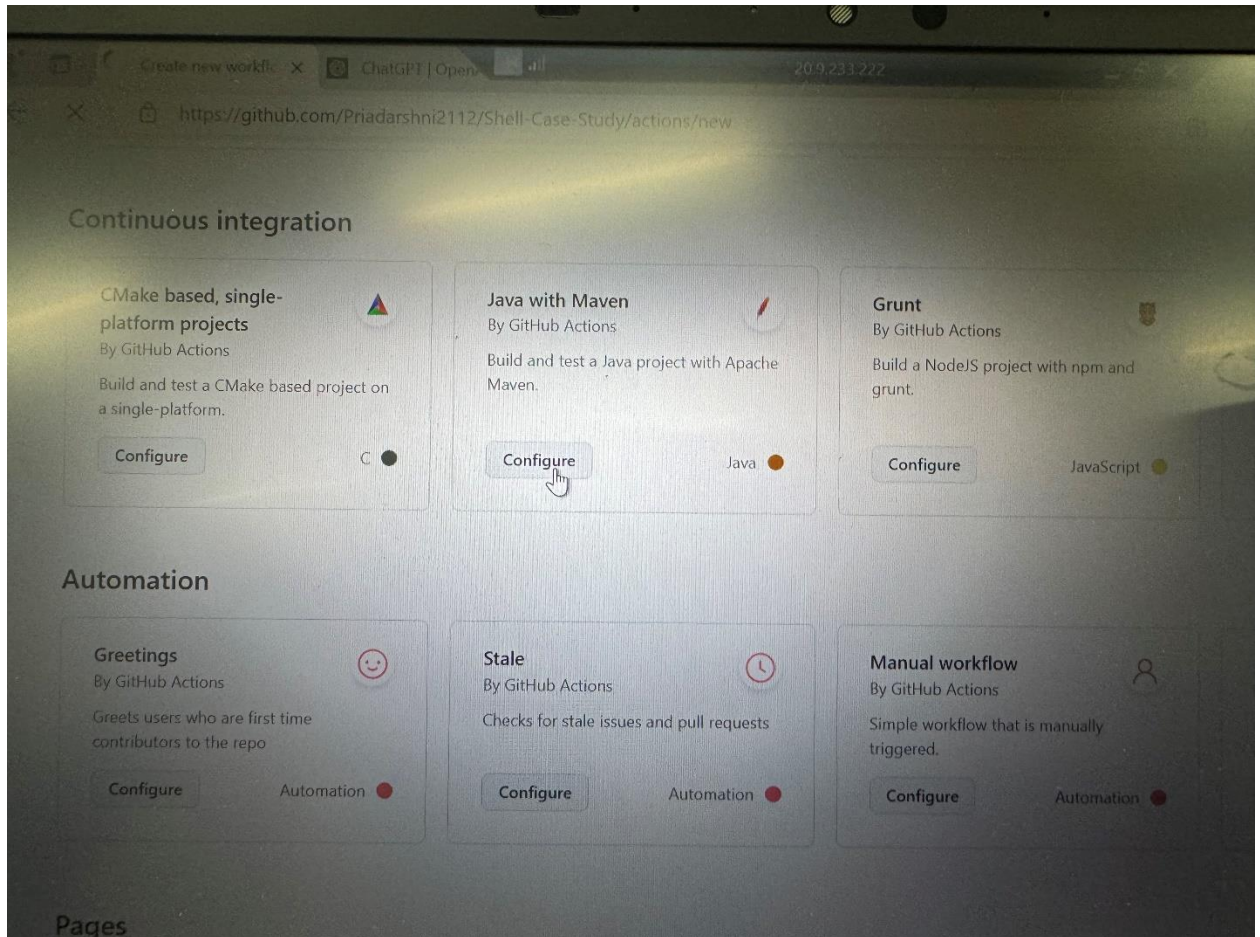
☐ Application gateway
Web traffic load balancer for HTTP/HTTPS with URL-based routing, SSL termination, session persistence, and web application firewall.

After filling in and completing all the steps above, we click on Review+Create button, after successful validation, we click on create. After successful creation, then we click on Resource page, and download and get into the virtual machine

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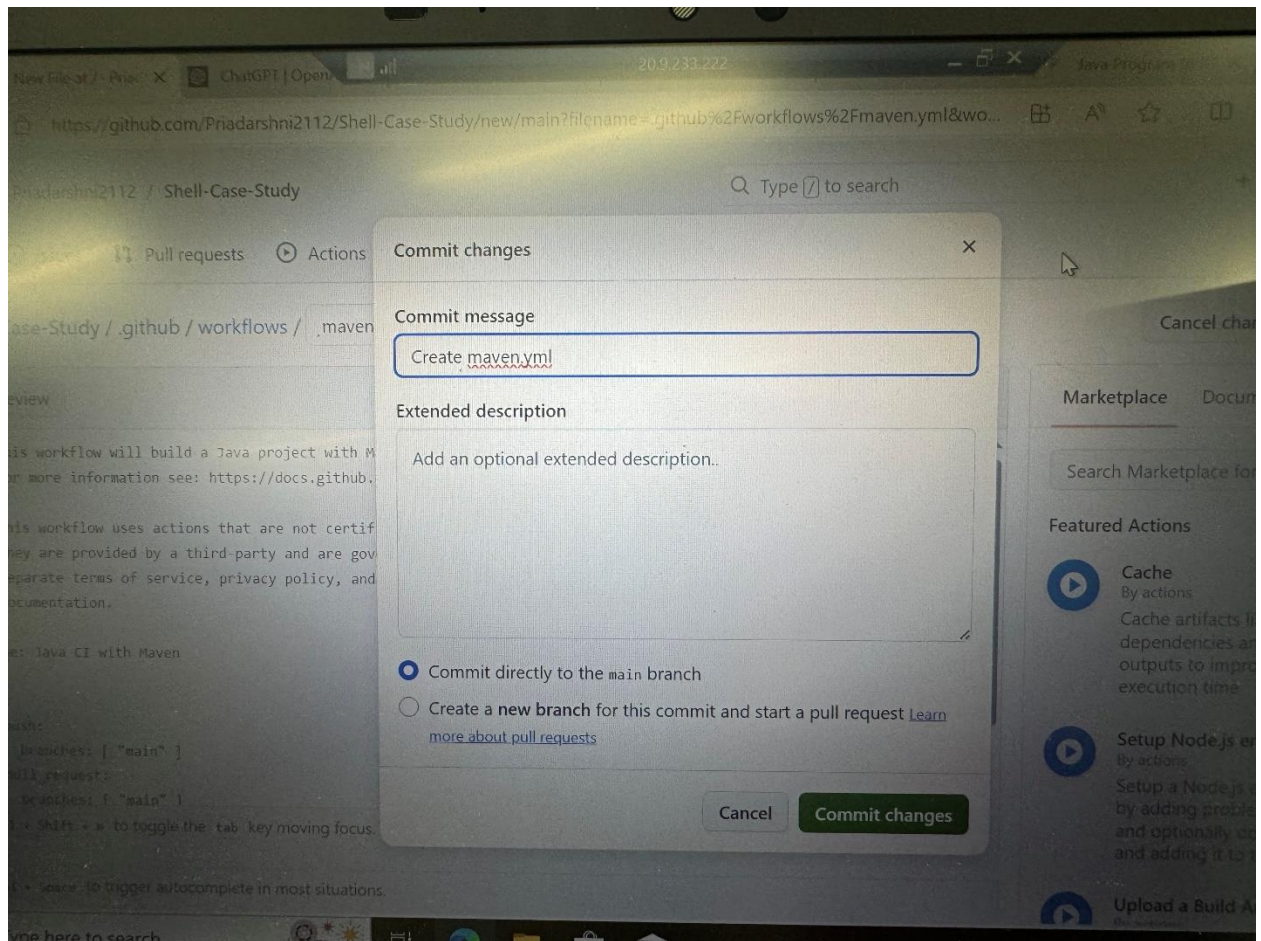
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GITHUB ACTIONS AND VIRTUAL MACHINE



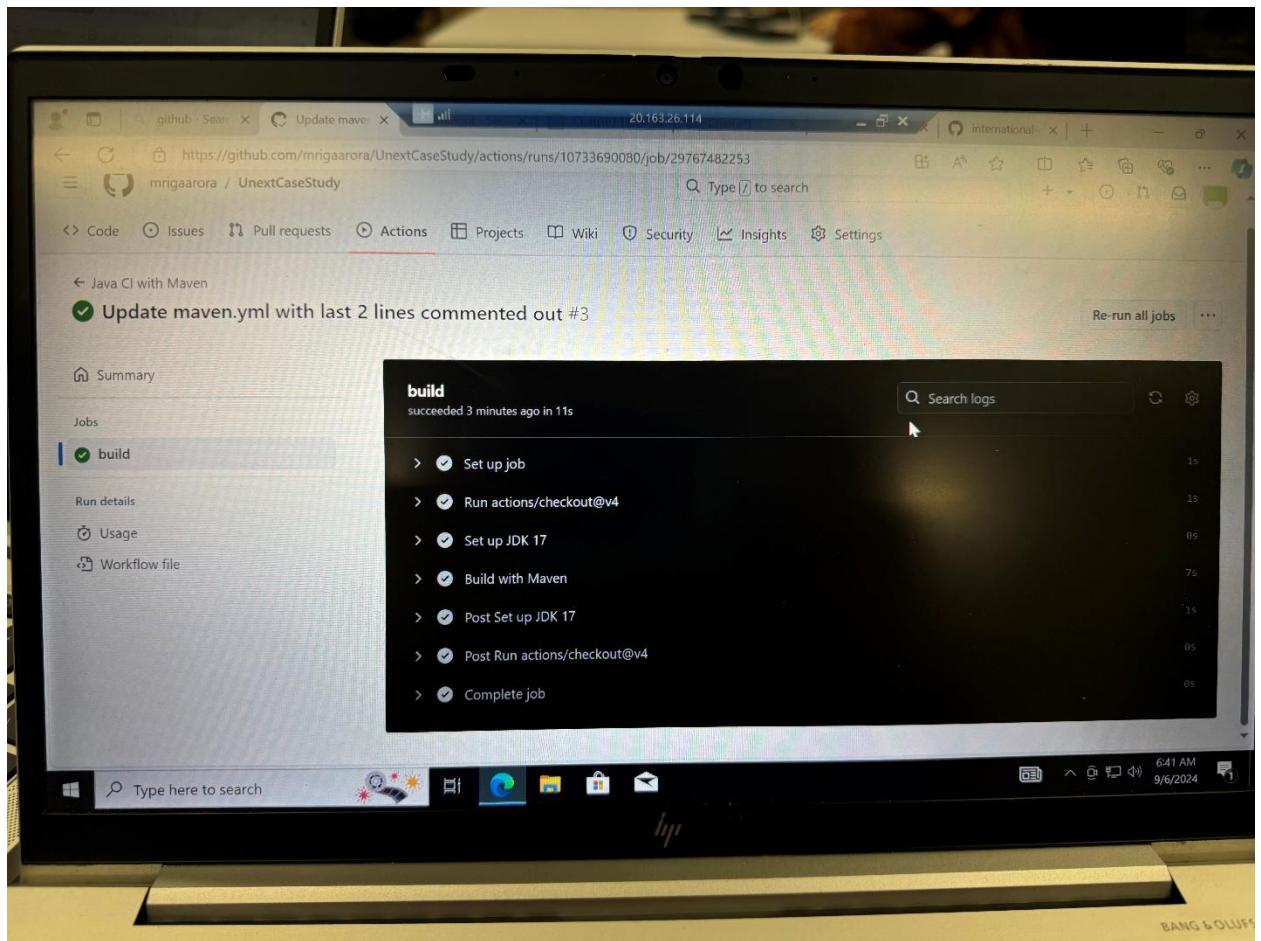
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The screenshot shows the GitHub Actions interface for the repository 'ra/UnnextCaseStudy/actions'. The top navigation bar includes links for Actions, Projects, Wiki, Security, Insights, and Settings. A search bar is present with the placeholder text 'Type / to search'. Below the navigation bar, the 'All workflows' section is displayed, showing 'Showing runs from all workflows'. A 'Filter workflow runs' search bar is also visible. A notification banner at the top of the workflow runs section reads 'Help us improve GitHub Actions' with a 'Give feedback' button. Below this, there are 4 workflow runs listed. Each run includes a status icon (circle with a play, checkmark, or X), a title, a description, the branch (main), and the time taken or status (Queued, 21s, 23s). The runs are ordered chronologically from newest to oldest.

ra/UnnextCaseStudy/actions

Search: Type / to search

Actions Projects Wiki Security Insights Settings

All workflows
Showing runs from all workflows

Filter workflow runs

Help us improve GitHub Actions
Tell us how to make GitHub Actions work better for you with three quick questions. [Give feedback](#)

4 workflow runs

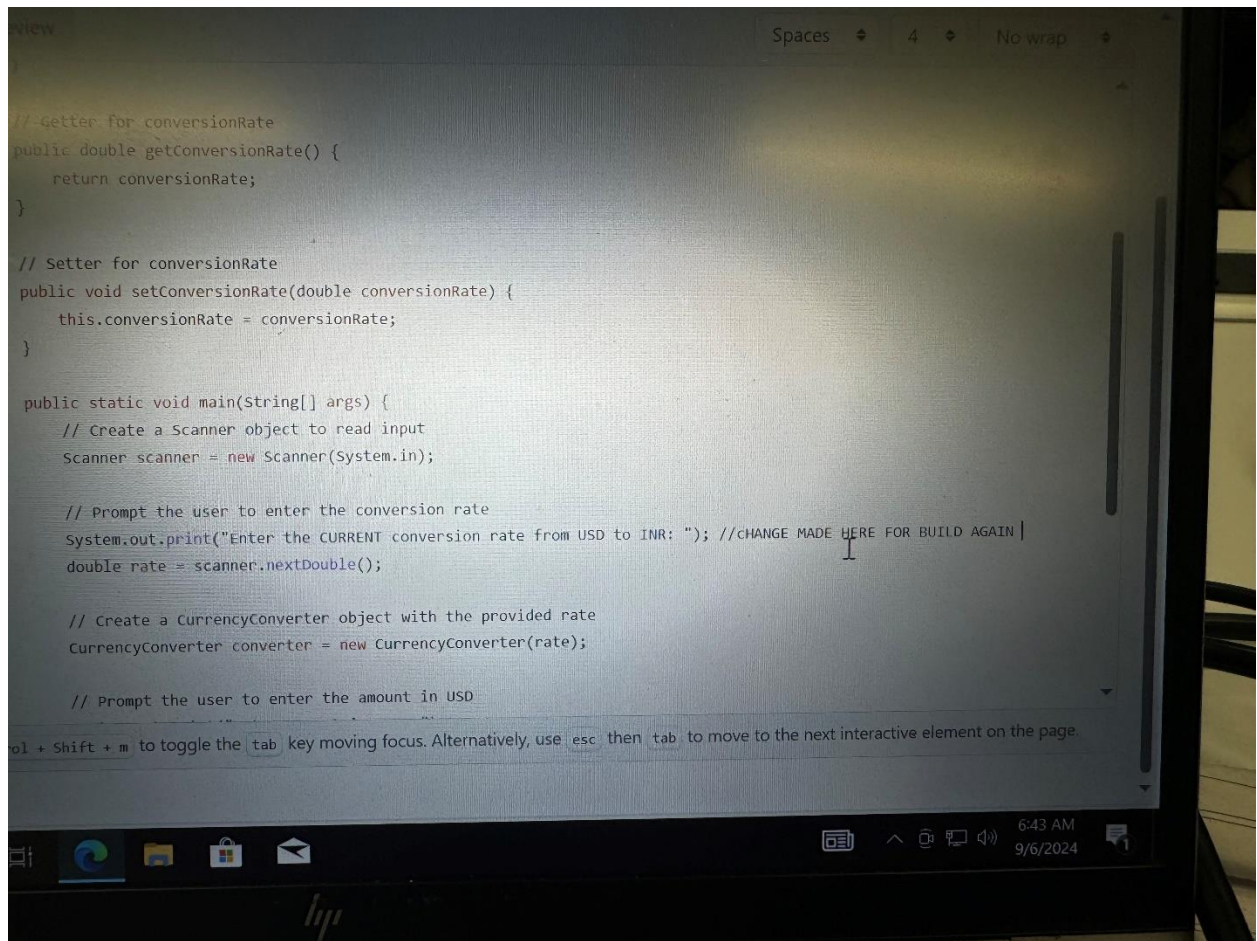
Event Status Branch Actor

- Update CurrencyConverter.java [MADE A CHANGE I...
Java CI with Maven #4: Commit d936ff5 pushed by mrigaarora main now Queued
- ✓ Update maven.yml with last 2 lines commented out
Java CI with Maven #3: Commit ce873e8 pushed by mrigaarora main 5 minutes ago 21s
- ✗ Create pom.xml
Java CI with Maven #2: Commit 4a902c4 pushed by mrigaarora main 8 minutes ago 23s

6:43 AM
9/6/2024

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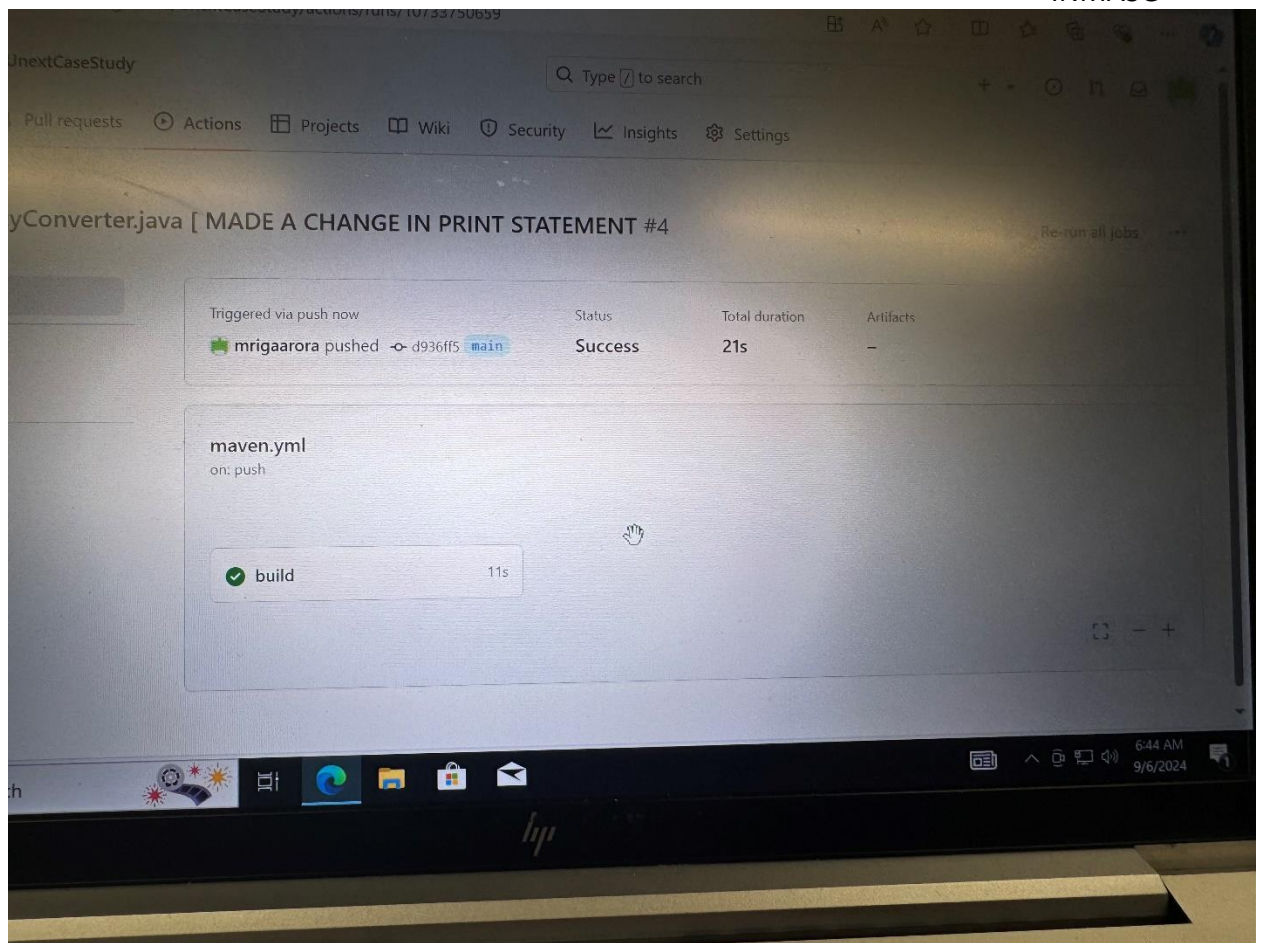


```
VIEW Spaces 4 No wrap  
  
// Getter for conversionRate  
public double getConversionRate() {  
    return conversionRate;  
}  
  
// Setter for conversionRate  
public void setConversionRate(double conversionRate) {  
    this.conversionRate = conversionRate;  
}  
  
public static void main(String[] args) {  
    // Create a Scanner object to read input  
    Scanner scanner = new Scanner(System.in);  
  
    // Prompt the user to enter the conversion rate  
    System.out.print("Enter the CURRENT conversion rate from USD to INR: "); //CHANGE MADE HERE FOR BUILD AGAIN |  
    double rate = scanner.nextDouble();  
  
    // Create a CurrencyConverter object with the provided rate  
    CurrencyConverter converter = new CurrencyConverter(rate);  
  
    // Prompt the user to enter the amount in USD  
  
    // Ctrl + Shift + m to toggle the tab key moving focus. Alternatively, use esc then tab to move to the next interactive element on the page.  
}
```

6:43 AM
9/6/2024

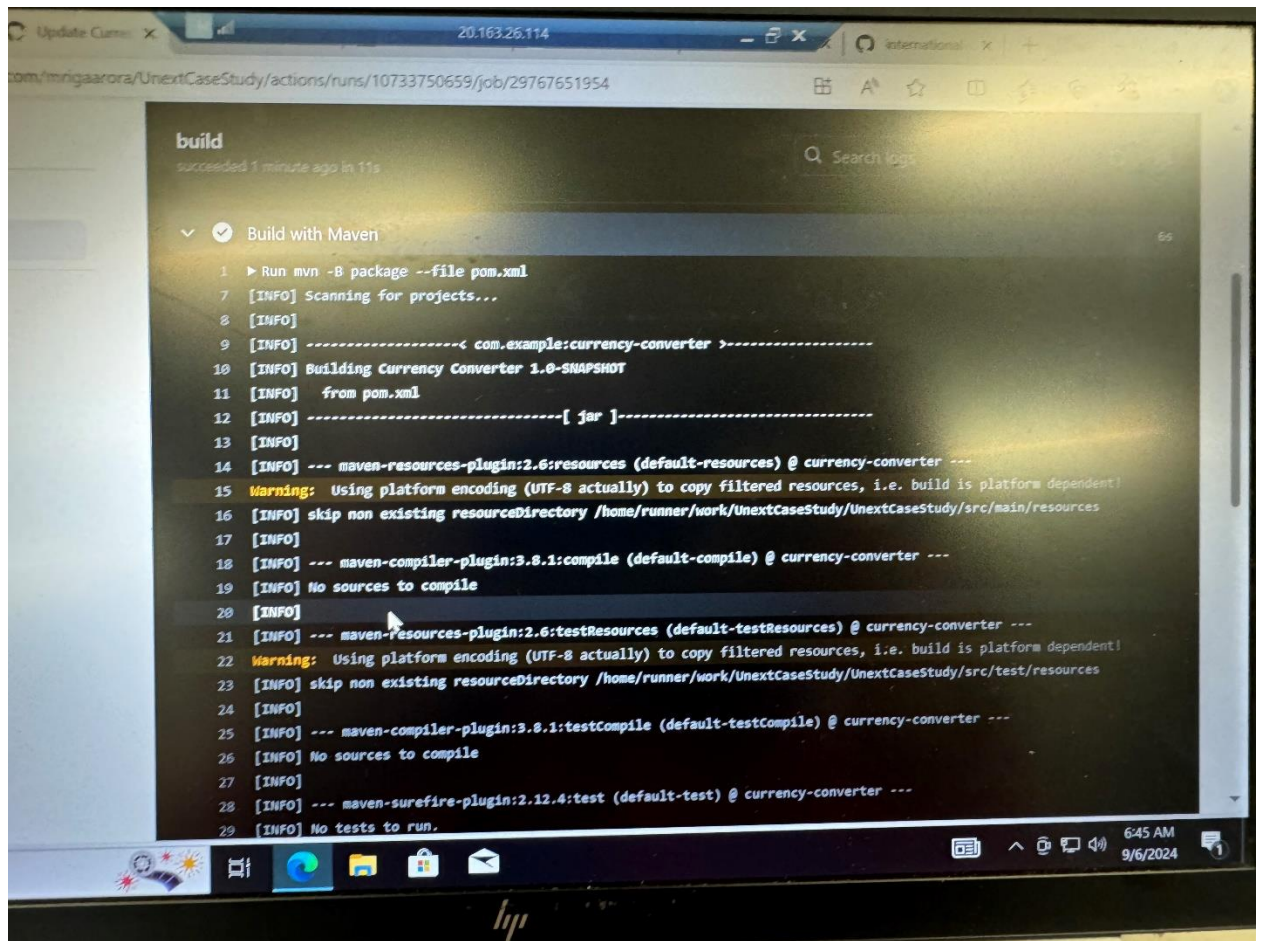
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The screenshot shows a GitHub Actions workflow run for a project named 'UNextCaseStudy'. The build step, 'Build with Maven', has succeeded. The log output shows the execution of 'mvn -B package --file pom.xml'. The build process includes scanning for projects, building the 'currency-converter' 1.0-SNAPSHOT, and packaging it into a JAR. There are two warnings about platform encoding (UTF-8) being used for resource copying, which is noted as platform-dependent. The build also shows that no sources were compiled or tested.

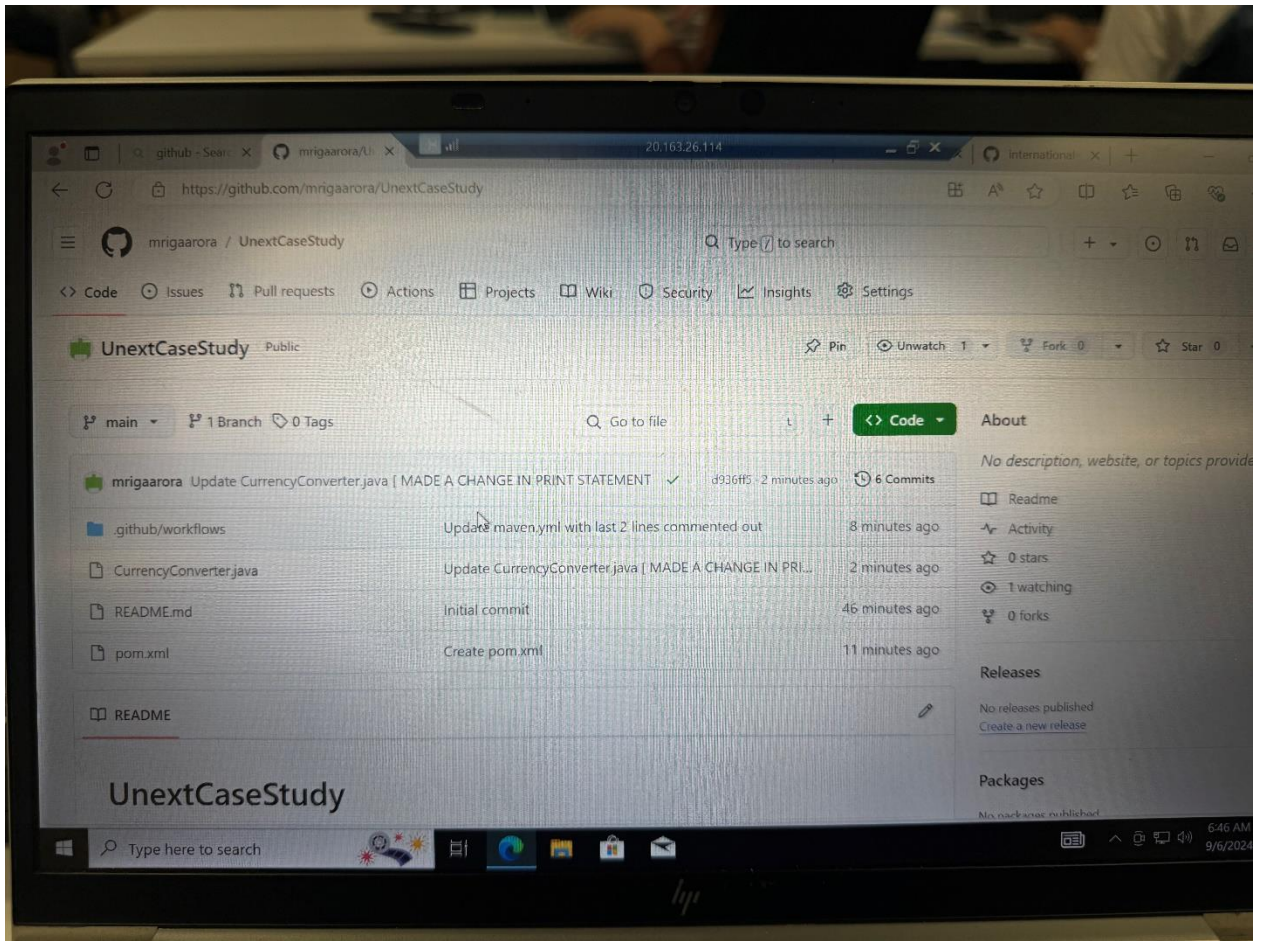
```
build
succeeded 1 minute ago in 11s

Build with Maven

1 ▶ Run mvn -B package --file pom.xml
7 [INFO] Scanning for projects...
8 [INFO]
9 [INFO] -----< com.example:currency-converter >-----
10 [INFO] Building Currency Converter 1.0-SNAPSHOT
11 [INFO] from pom.xml
12 [INFO] -----[ jar ]-----
13 [INFO]
14 [INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ currency-converter ---
15 Warning: Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
16 [INFO] skip non existing resourceDirectory /home/runner/work/UNextCaseStudy/UNextCaseStudy/src/main/resources
17 [INFO]
18 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ currency-converter ---
19 [INFO] No sources to compile
20 [INFO]
21 [INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ currency-converter ---
22 Warning: Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
23 [INFO] skip non existing resourceDirectory /home/runner/work/UNextCaseStudy/UNextCaseStudy/src/test/resources
24 [INFO]
25 [INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @ currency-converter ---
26 [INFO] No sources to compile
27 [INFO]
28 [INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ currency-converter ---
29 [INFO] No tests to run.
```


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USER STORIES:

1. **User Criteria:** As a user, I want to use the sidebar navigation so that I can easily access different sections of the OrangeHRM system.

Acceptance Criteria:

1. The sidebar should be visible on the left side of the screen after logging in, displaying navigation links to various sections such as Search, Dashboard, Admin, PIN, Leave, Time, Recruitment, My info, Performance, Directory, Maintenance, Claim, Buzz
2. Clicking on any navigation link in the sidebar should redirect the user to the corresponding section.
3. The sidebar should highlight the current section the user is in when hovered over.
4. The sidebar should have a collapse "<" icon that, when clicked, minimizes the sidebar to provide more screen space for the main content, displaying only the icons of Search, Dashboard, Admin, PIN, Leave, Time, Recruitment, my info, Performance, Directory, Maintenance, Claim and Buzz

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Estimate: 4

Priority: 3

2. **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.

The user should be able to upload photos and videos by clicking on "Share photos" or "Share videos"

Clicking the "Post" button should add the message to the Buzz feed, making it visible to all employees.

3. Like a Post

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.

4. Comment on a Post

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.

5. Share a post

The user should be able to click "Share" icon to share it under their name.

5. View Post Details

The user should be able to click on any post to view its details.

The post details should include all comments, likes and shares.

6. Delete Own Post

The user should have the option to delete their own posts.

Clicking the "Delete" button on their post should remove it from the Buzz feed.

7. Edit Own Post

The user should have the option to edit their own posts.

5. Clicking the "Edit" button, making changes, and saving should update the post with the new content.

6. Notification for New Posts

7. Users should receive notifications when new posts are made on the Buzz page.

8. Search Posts

9. The user should be able to search for posts using a keyword.

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10. The Buzz feed should display posts that match the keyword entered in the search bar.
11. 9.Filter Posts by likes, comments and date.
12. The user should be able to filter posts by likes, comments or most recent by clicking either "Most Liked Posts", "Most commented Posts", or "Most recent Posts" respectively displayed on the top.
13. The Buzz feed should display posts made within the filter.

Estimate: 4

Priority: 2

3. User profile Dropdown menu

User story: 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

4. User Story 1:

Title: 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

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Priority: 1

5. 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

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Azure DevOps

mrigaarora02 / CaseStudy1 / Boards / Backlogs

CaseStudy1

Overview

Boards

Work items

Boards

Backlogs

Sprints

Queries

Delivery Plans

Analytics views

Repos

Project settings

CaseStudy1 Team

Backlog

Analytics

New Work Item

View as Board

Column Options

Issues

Filter

Settings

Share

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	

ISSUE 12

12 Accessing the Buzz Page for Employee Engagement

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0 comments

Add tag

Save & Close

Follow

Settings

Refresh

Undo

Redo

More

State: To Do

Area: CaseStudy1

Reason: Added to backl...

Iteration: CaseStudy1\Sprint 1

Updated by Mriga Arora: 2h ago

Details

History

Links (2)

Attachments

Description

Planning

Deployment

Development

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.

Priority

4

Effort

6

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](#)

Add link

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

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Azure DevOps

mrigaarora02 / CaseStudy1 / Boards / Sprints

CaseStudy1

Overview

Boards

Work items

Boards

Backlogs

Sprints

Queries

Delivery Plans

Analytics views

Repos

Project settings

CaseStudy1 Team

No iteration dates

Taskboard

Backlog

Capacity

Analytics

New Work Item

Sprint 1

Person: All

Search

Set dates

MA

Collapse all

6 Sidebar Navigation

Mriga Arora

To Do

+

7 User Profile Dropdown Menu

Unassigned

To Do

+

13 Employee Directory Search Functionality

Unassigned

To Do

+

To Do 3 h

Doing

Done

17 Check > button

Unassigned

Doing