

Rohita Chakraborty

1. Creating virtual machine in Azure

Home > Virtual machines >

Create a virtual machine

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

RDBI

Resource group

RDBI

Create new

Estimated monthly cost

₹4,166.22 / month

[View cost details](#)

Home > Virtual machines >

Create a virtual machine

Help me create a low cost VM

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Instance details

Virtual machine name

rohita-casestudy

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'.

Zone 1

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

Availability zone

Zone 1

Estimated monthly cost

₹4,166.22 / month

[View cost details](#)

Home > Virtual machines >

Create a virtual machine

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Image

Windows 10 Pro, version 22H2 - 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

Arm64 is not supported with the selected image.

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.

Estimated monthly cost

₹4,166.22 / month

[View cost details](#)

Create a virtual machine ...

[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](#)

Administrator account

Username * ✓

Password * ✓

Confirm password * ✓

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 *

Estimated monthly cost

₹4,166.22 / month

[View cost details](#)

Create a virtual machine ...

[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](#)

OS disk size

OS disk type * ✓
The selected VM size supports premium disks. We recommend Premium SSD for high IOPS workloads. Virtual machines with Premium SSD disks qualify for the 99.9% connectivity SLA.

Delete with VM ☒

Key management

Enable Ultra Disk compatibility ☐

Data disks for rohita-casestudy

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

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM
-----	------	------------	-----------	--------------	----------------

Estimated monthly cost

₹3,016.31 / month

[View cost details](#)

Create a virtual machine ...

[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](#)

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network * [Create new](#)

Subnet * [Manage subnet configuration](#)

Public IP [Create new](#)

NIC network security group ☐ None ☒ Basic ☐ Advanced

Estimated monthly cost

₹3,985.52 / month

[View cost details](#)

Create a virtual machine ...

[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](#)

Public inbound ports * ☐ Advanced ☐ None ☒ Allow selected ports

Select inbound ports *

⚠ This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

Delete public IP and NIC when VM is deleted ☐

Enable accelerated networking ☐

Estimated monthly cost

₹3,985.52 / month

[View cost details](#)

Create a virtual machine

Validation passed

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

Boot diagnostics

On

Enable OS guest diagnostics

Off

Enable application health monitoring

Off

Advanced

Extensions

None

VM applications

None

Cloud init

No

User data

No

Disk controller type

SCSI

Proximity placement group

None

Capacity reservation group

None

Estimated monthly cost

₹3,985.52 / month

View cost details

Home >

CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20240906085547 | Overview

Deployment

Search

Delete

Cancel

Redeploy

Download

Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsDesktop...

Start time: 06/09/2024, 09:10:22

Subscription: RDBI

Correlation ID: c58de9b4-3436-4bd6-af

Resource group: RDBI

Deployment details

Next steps

Setup auto-shutdown

Recommended

Monitor VM health, performance and network dependencies

Recommended

Run a script inside the virtual machine

Recommended

Go to resource

Create another VM

Give feedback

Tell us about your experience with deployment

Cost Management

Get notified to stay within your budget and prevent unexpected charges on your bill.

Set up cost alerts >

Microsoft Defender for Cloud

Secure your apps and infrastructure

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Downloads

Search Downloads

New

Sort

View

Details

Home

Gallery

Rohita - Shell

Desktop

Downloads

Documents

Pictures

Music

Videos

Me

Onboarding

Bootcamp

Name

Date modified

Type

Size

Today

rohita-casestudy

rohita-casestudy (1)

Yesterday

shuser73-vm1

Windows Security

Enter your credentials

These credentials will be used to connect to 4.246.139.177.

rohita-bootcamp

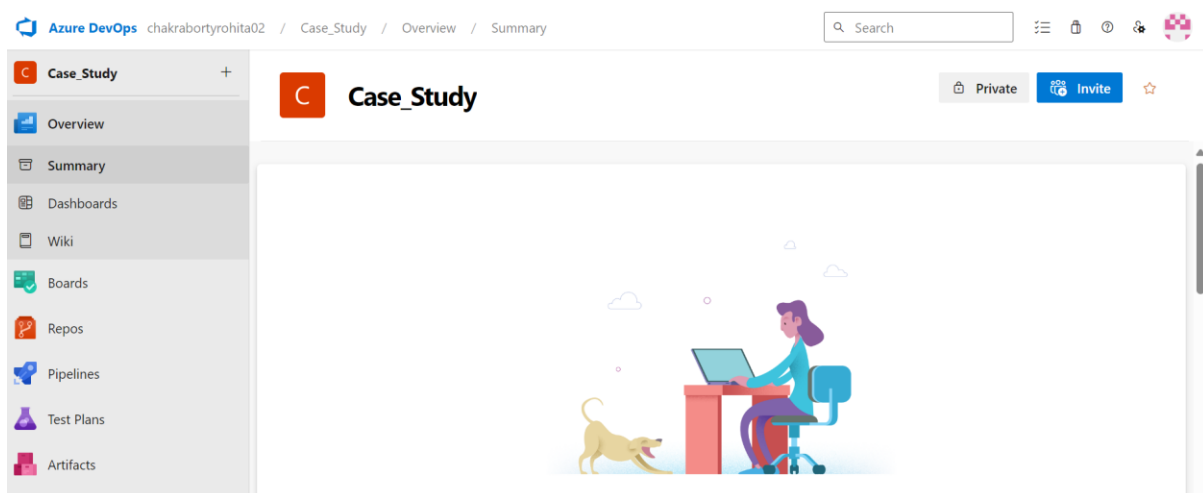
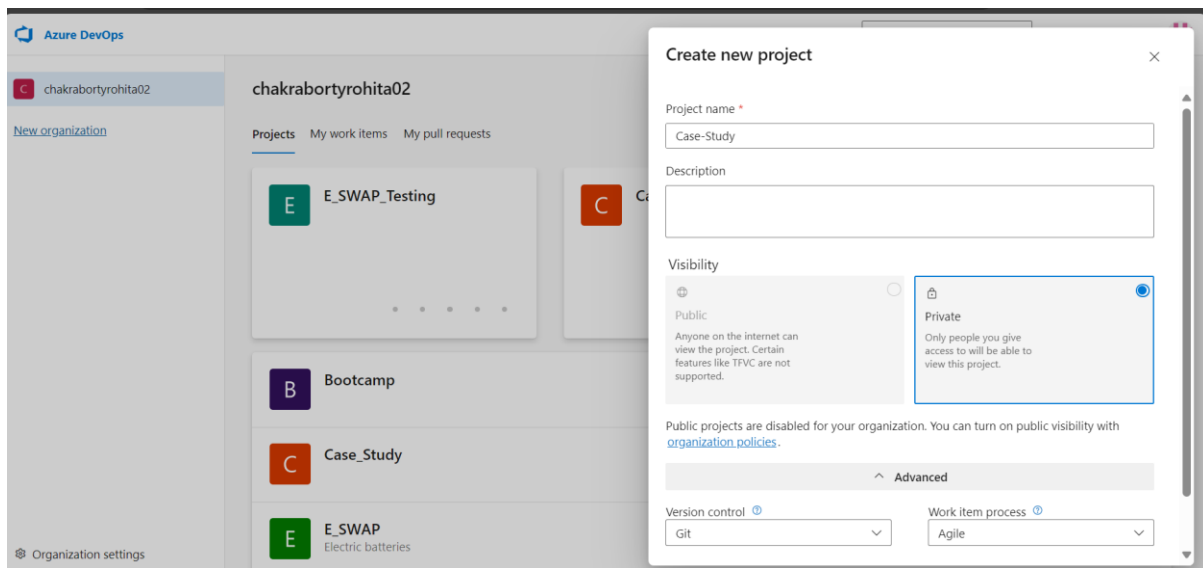
More choices

OK

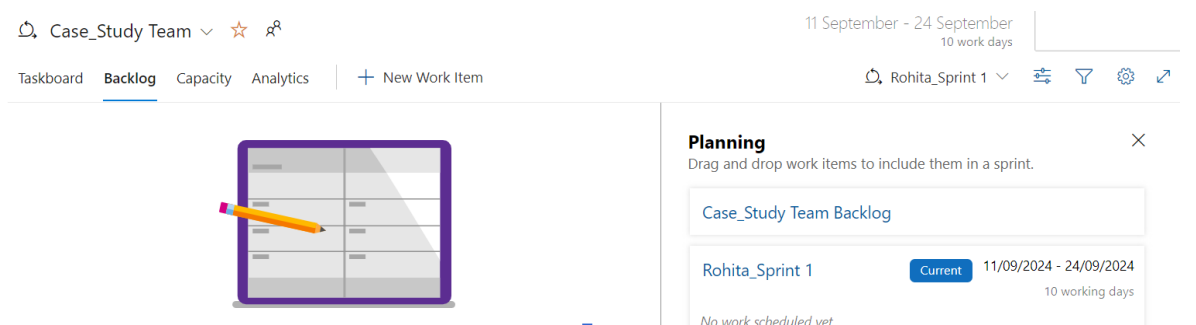
Cancel

2. Azure devops

a. Creating new project



b. Creating new sprint and adding date



c. Creating 5 user stories

i. Login functionality

USER STORY 30

30 Login functionality

Unassigned0 commentsAdd tag

Save & CloseFollowSettingsRefreshHelpMore

Updated by ROHITA CHAKRABORTY: 2h ago

DetailsTimelineLinks(5)Attachments

Description

As a user, I want to login into the OrangeHRM website to access my account. I want to login using -

- username
- password

Acceptance Criteria

Click to add Acceptance Criteria

Discussion

Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.

Planning

Story Points3Priority2Risk

Classification

Value areaBusiness

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 request or branch to see the status of your development. You can also create a branch to get started.

Related Work

+ Add link

Add an existing work item as a parent

Tested By (4)

41 Case sensitive id check

ii. Buzz Newsfeed access

USER STORY 31

31 Buzz Newsfeed access

Unassigned0 commentsAdd tag

Save & CloseFollowSettingsRefreshHelpMore

Updated by ROHITA CHAKRABORTY: Just now

DetailsTimelineLinksAttachments

Description

As a user, I want to access the Buzz Newsfeed to share posts as well as interact with other's posts.

Acceptance Criteria

Click to add Acceptance Criteria

Discussion

Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.

Planning

Story Points2Priority2Risk

Classification

Value areaBusiness

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 request or branch to see the status of your development. You can also create a branch to get started.

Related Work

+ Add link

Add an existing work item as a parent

iii. Dashboard functionality

USER STORY 32

32 Dashboard functionality

Unassigned0 commentsAdd tag

Save & CloseFollowSettingsRefreshHelpMore

Updated by ROHITA CHAKRABORTY: 2h ago

DetailsTimelineLinksAttachments

Description

As a user, I want to check the dashboard functionality to interact with all the different modules available in the dashboard

Acceptance Criteria

Click to add Acceptance Criteria

Discussion

Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.

Planning

Story Points3Priority2Risk

Classification

Value areaBusiness

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

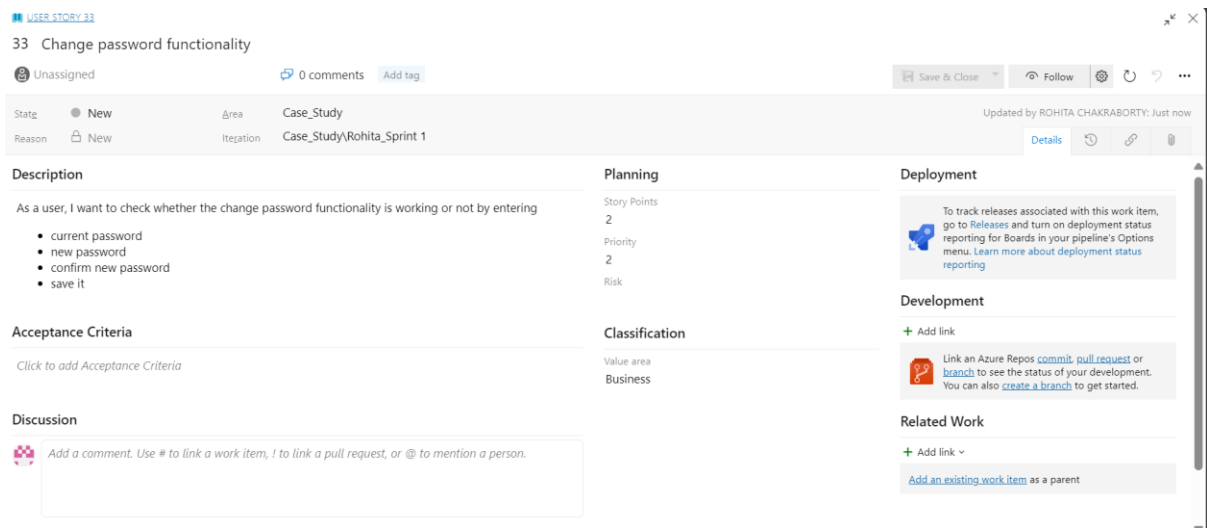
Link an Azure Repos commit, pull request or branch to see the status of your development. You can also create a branch to get started.

Related Work

+ Add link

Add an existing work item as a parent

iv. Change password functionality



USER STORY 33
33 Change password functionality

Unassigned | 0 comments | Add tag

Stat: New | Area: Case_Study | Reason: New | Iteration: Case_Study\Rohita_Sprint 1 | Updated by ROHITA CHAKRABORTY: Just now

Description
As a user, I want to check whether the change password functionality is working or not by entering

- current password
- new password
- confirm new password
- save it

Acceptance Criteria
Click to add Acceptance Criteria

Discussion
Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.

Planning
Story Points: 2
Priority: 2
Risk:

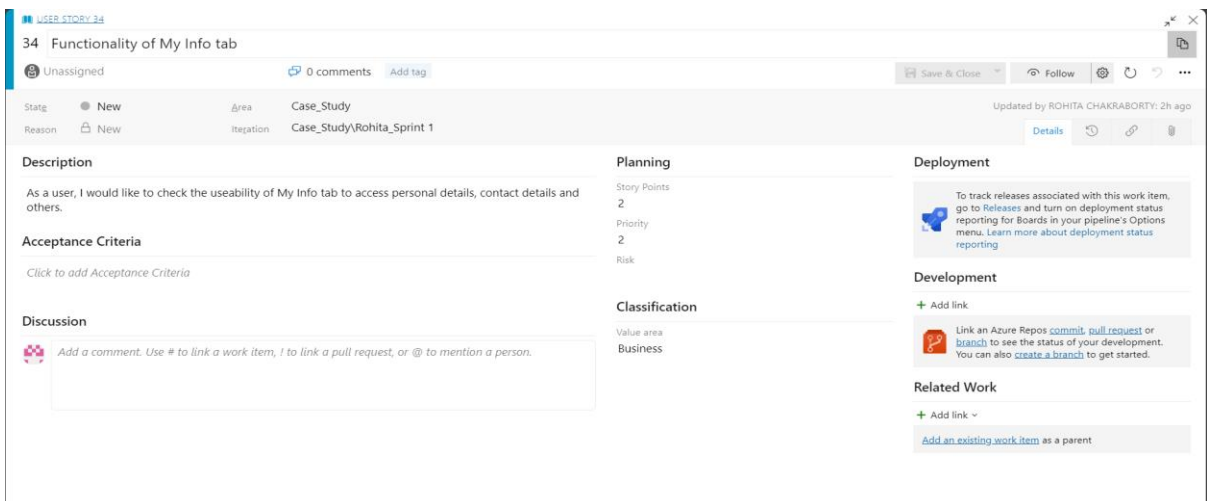
Classification
Value area: Business

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 request or branch to see the status of your development. You can also create a branch to get started.

Related Work
+ Add link
Add an existing work item as a parent

v. Functionality of My Info tab



USER STORY 34
34 Functionality of My Info tab

Unassigned | 0 comments | Add tag

Stat: New | Area: Case_Study | Reason: New | Iteration: Case_Study\Rohita_Sprint 1 | Updated by ROHITA CHAKRABORTY: 2h ago

Description
As a user, I would like to check the useability of My Info tab to access personal details, contact details and others.

Acceptance Criteria
Click to add Acceptance Criteria

Discussion
Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.

Planning
Story Points: 2
Priority: 2
Risk:

Classification
Value area: Business

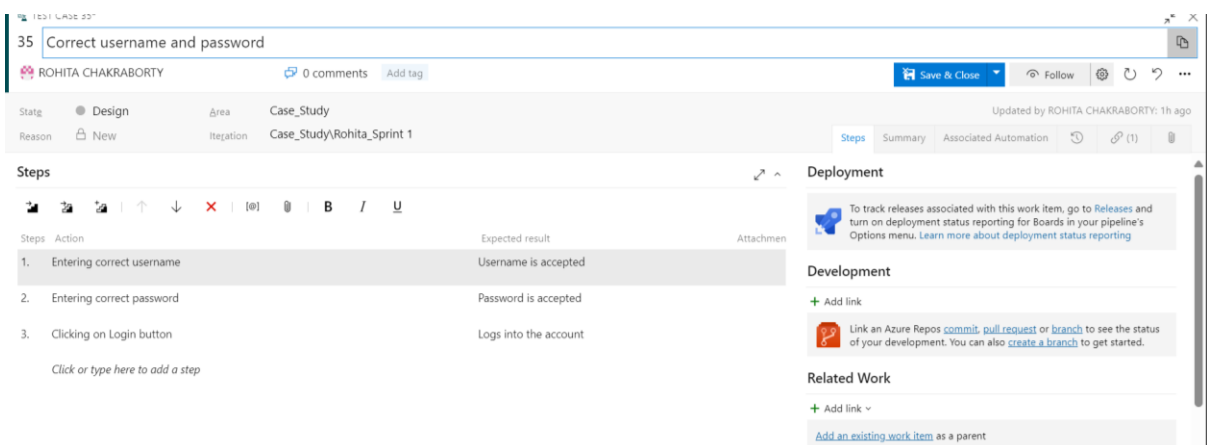
Deployment
To track releases associated with this work item, go to Releases and turn on deployment status reporting for Boards in your pipeline's Options menu. Learn more about deployment status reporting

Development
+ Add link
Link an Azure Repos commit, pull request or branch to see the status of your development. You can also create a branch to get started.

Related Work
+ Add link
Add an existing work item as a parent

d. Creating 25 test cases

i. Entering correct username and password



TEST CASE 35
35 Correct username and password

ROHITA CHAKRABORTY | 0 comments | Add tag

Stat: Design | Area: Case_Study | Reason: New | Iteration: Case_Study\Rohita_Sprint 1 | Updated by ROHITA CHAKRABORTY: 1h ago

Steps

Steps	Action	Expected result	Attachments
1.	Entering correct username	Username is accepted	
2.	Entering correct password	Password is accepted	
3.	Clicking on Login button	Logs into the account	

Click or type here to add a step

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 request or branch to see the status of your development. You can also create a branch to get started.

Related Work
+ Add link
Add an existing work item as a parent

ii. Entering incorrect username and password

TEST CASE 39*

39 Incorrect username and password

ROHITA CHAKRABORTY 0 comments Add tag Save & Close Follow (1)

State: Design Area: Case_Study Reason: New Iteration: Case_Study/Rohita_Sprint 1 Updated by ROHITA CHAKRABORTY: 1h ago

Steps

Steps	Action	Expected result	Attachments
1.	Entering incorrect username	Username is accepted	
2.	Entering incorrect password	Password is accepted	
3.	Clicking on login button	Show error message - "Invalid credentials"	

Click or type here to add a step

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 request](#) or [branch](#) to see the status of your development. You can also [create a branch](#) to get started.

Related Work

+ Add link

[Add an existing work item](#) as a parent

iii. Leaving username and password blank

TEST CASE 40*

40 Empty username and password

ROHITA CHAKRABORTY 0 comments Add tag Save & Close Follow (1)

State: Design Area: Case_Study Reason: New Iteration: Case_Study/Rohita_Sprint 1 Updated by ROHITA CHAKRABORTY: 1h ago

Steps

Steps	Action	Expected result	Attachments
1.	Leave username blank	Username is blank	
2.	Leave password blank	Password is blank	
3.	Click on login button	Show error message - "Required fields"	

Click or type here to add a step

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 request](#) or [branch](#) to see the status of your development. You can also [create a branch](#) to get started.

Related Work

+ Add link

[Add an existing work item](#) as a parent

iv. Case sensitive username and password

TEST CASE 43*

43 Case sensitive username and password

ROHITA CHAKRABORTY 0 comments Add tag Save & Close Follow (1)

State: Design Area: Case_Study Reason: New Iteration: Case_Study/Rohita_Sprint 1 Updated by ROHITA CHAKRABORTY: 2m ago

Steps

Steps	Action	Expected result	Attachments
1.	Enter username in different case	Username is accepted	
2.	Enter correct password	Password is accepted	
3.	Click on login button	Error message - "Invalid username"	

Click or type here to add a step

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 request](#) or [branch](#) to see the status of your development. You can also [create a branch](#) to get started.

Related Work

+ Add link

[Add an existing work item](#) as a parent

Parameter values

Tests

30 Login functionality Updated 2 hours ago New

v. What's on your mind working

The screenshot displays a test case titled "48 What's on your mind is clickable" in the Azure DevOps interface. The test case is owned by ROHITA CHAKRABORTY and has 0 comments. It is currently in the "Design" state, with a reason of "New". The area is "Case_Study" and the iteration is "Case_Study/Rohita_Sprint 1". The test case was updated by ROHITA CHAKRABORTY 1 hour ago.

The "Steps" section contains a table with 5 steps:

Steps	Action	Expected result
1.	Enter correct username	Username is accepted
2.	Enter correct password	Password is accepted
3.	Click on login button	Login is authenticated
4.	Click on Buzz tab	Redirects to Buzz Newsfeed page
5.	Click on what's on your mind field	It is highlighted

Below the steps table, there is a text input field with the placeholder "Click or type here to add a step".

The "Deployment" section on the right provides information about tracking releases and linking to Azure Repos. The "Development" section includes a link to add an existing work item as a parent. The "Related Work" section shows a link to "31 Buzz Newsfeed access" updated 2 hours ago.

- vi. Adding a post
- vii. Liking a post
- viii. Checking most recent posts
- ix. Checking most liked posts
- x. Checking most commented posts
- xi. Adding a comment
- xii. Checking "Read more" functionality
- xiii. Deleting a comment
- xiv. Clock is working in "Time at work"
- xv. Checking punch in time
- xvi. Checking punch out time
- xvii. Checking if buttons are changing color on hovering at quick launch
- xviii. Checking if button redirecting to specific site in quick launch
- xix. Enter wrong current password
- xx. Enter wrong length in new password
- xxi. Nonmatching confirm password
- xxii. Leaving employee id blank
- xxiii. Entering special characters in driving license
- xxiv. Entering invalid past date in driving license expiry
- xxv. Entering invalid future dates in DOB

e. Defining tasks and subtasks for each user story

i. Designing the login page

TASK 42

42 Design the login page

Unassigned0 commentsAdd tag

Save & CloseFollowSettingsRefreshHelp

State: NewArea: Case_StudyReason: NewIteration: Case_Study\Rohita_Sprint 1Updated by ROHITA CHAKRABORTY: 1h agoDetails🕒🔗(1)🗑️

Description

As a developer, I want to design the login page and keep fields of

- username
- password

After the user, clicks on login button, they should either be redirected on correct login or show error for incorrect login credentials.

Discussion

Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.

Planning

Priority: 2Activity: Design

Effort (Hours)

Original Estimate: 3Remaining: 3Completed

Implementation

Integrated in Build

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 request or branch to see the status of your development. You can also create a branch to get started.

Related Work

+ Add link

Parent

30 Login functionalityUpdated 2 hours ago, New

ii. Developing the login page

TASK 44

44 Develop the login page

Unassigned0 commentsAdd tag

Save & CloseFollowSettingsRefreshHelp

State: NewArea: Case_StudyReason: NewIteration: Case_Study\Rohita_Sprint 1Updated by ROHITA CHAKRABORTY: 2m agoDetails🕒🔗(1)🗑️

Description

As a developer, I want to develop the login page.

- Create a webpage
- Keep username and password field
- Enter details in a database
- Authenticate the user on logging in

Discussion

Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.

Planning

Priority: 2Activity: Development

Effort (Hours)

Original Estimate: 3Remaining: 3Completed

Implementation

Integrated in Build

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 request or branch to see the status of your development. You can also create a branch to get started.

Related Work

+ Add link

Parent

30 Login functionalityUpdated 2 hours ago, New

iii. Testing the login page

TASK 45

45 Testing the login page

Unassigned0 commentsAdd tag

Save & CloseFollowSettingsRefreshHelp

State: NewArea: Case_StudyReason: NewIteration: Case_Study\Rohita_Sprint 1Updated by ROHITA CHAKRABORTY: Just nowDetails🕒🔗(1)🗑️

Description

As a QA tester, I would like to test the login page to check whether it is functioning as expected. The testcases to be performed are:

- correct username and password
- incorrect username and password
- leaving username and password blank
- checking case sensitivity for username and password

Discussion

Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.

Planning

Priority: 2Activity: Testing

Effort (Hours)

Original Estimate: 3Remaining: 3Completed

Implementation

Integrated in Build

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 request or branch to see the status of your development. You can also create a branch to get started.

Related Work

+ Add link

Parent

30 Login functionalityUpdated 2 hours ago, New

f. Testing and making bug report

i. Username is not case sensitive

BUG 46*

46 Username is not case sensitive

Unassigned 0 comments Add tag

Save & Close Follow Settings Refresh History

Statg: New Area: Case_Study Reason: New Iteration: Case_Study\Rohita_Sprint 1 Updated by ROHITA CHAKRABORTY: Just now

Details (1)

Repro Steps

Steps to be followed:

- Enter username in different case
- Enter correct password
- Click on login button

Expected result:
Login should not be authenticated as the username should be case sensitive.

Actual result:
As username is not case sensitive, the user is able to login to the website.

System Info

Click to add System Info

Discussion

Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.

Planning

Resolved Reason

Story Points: 3

Priority: 2

Severity: 3 - Medium

Activity

Effort (Hours)

Original Estimate: 3

Remaining: 3

Completed

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 request or branch to see the status of your development. You can also create a branch to get started.

Related Work

+ Add link

Parent

30 Login functionality Updated 2 hours ago, New

System Info

ii. Employee id can be left blank

BUG 73*

73 Employee id can be left blank

Unassigned 0 comments Add tag

Save & Close Follow Settings Refresh History

Statg: New Area: Case_Study Reason: New Iteration: Case_Study\Rohita_Sprint 1 Updated by ROHITA CHAKRABORTY: 37m ago

Details (1)

Repro Steps

Steps to be followed:

- Enter the username
- Enter the password
- Click on login button
- Click on My Info tab
- Leave employee id blank
- Click on save

Expected result: The page should show an error message - 'Employee id cannot be left blank'

Actual result: The page saves the information.

System Info

Click to add System Info

Discussion

Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.

Planning

Resolved Reason

Story Points: 3

Priority: 2

Severity: 3 - Medium

Activity

Effort (Hours)

Original Estimate: 3

Remaining: 3

Completed

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 request or branch to see the status of your development. You can also create a branch to get started.

Related Work

+ Add link

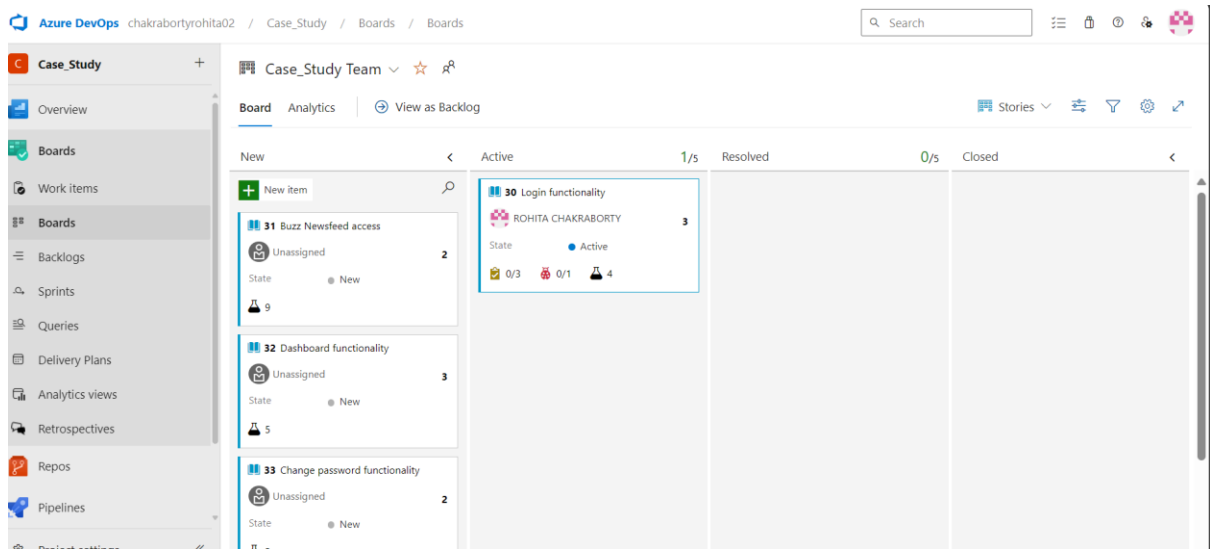
Parent

34 Functionality of My Info tab Updated 3 hours ago, New

System Info

- iii. Driving license accepting special characters
- iv. License expiry date taking invalid past dates
- v. DOB taking invalid future dates

g. Sprint is running



h. Executing tests manually



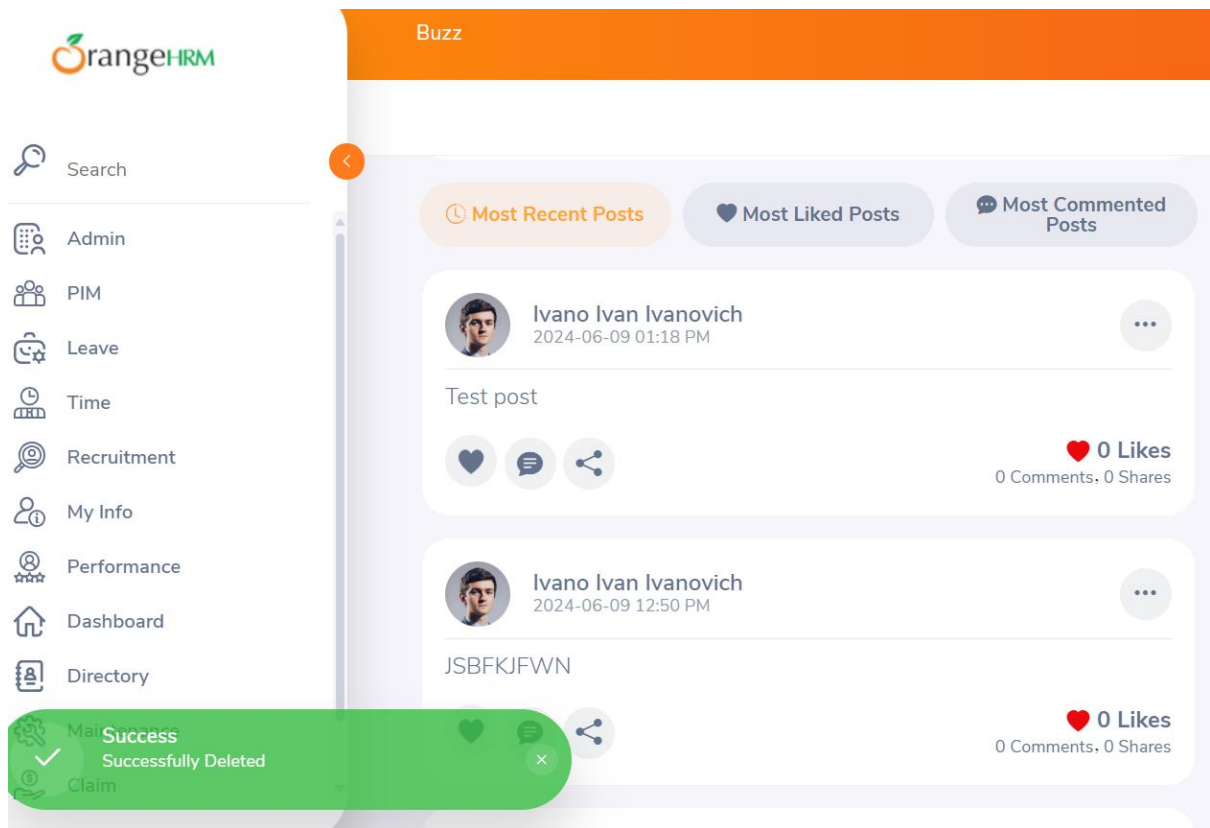
Login

Invalid credentials

Username : Admin
Password : admin123

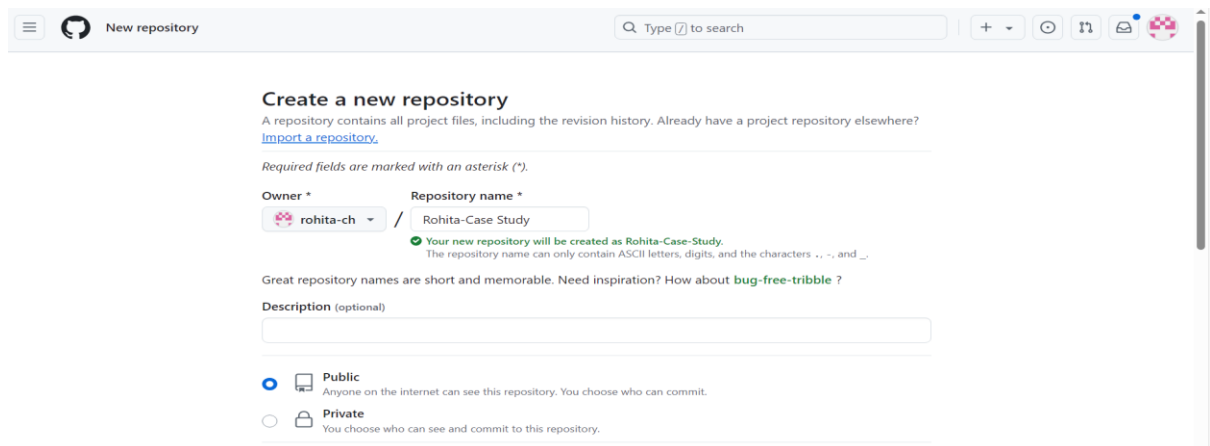
Username

Password

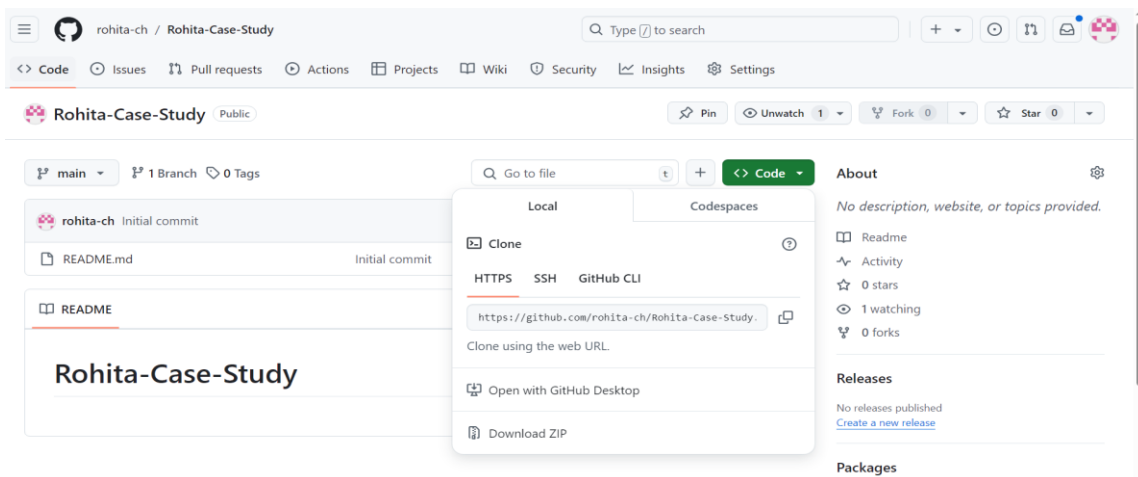


3. Github - [rohita-ch/Rohita-Case-Study \(github.com\)](https://github.com/rohita-ch/Rohita-Case-Study)

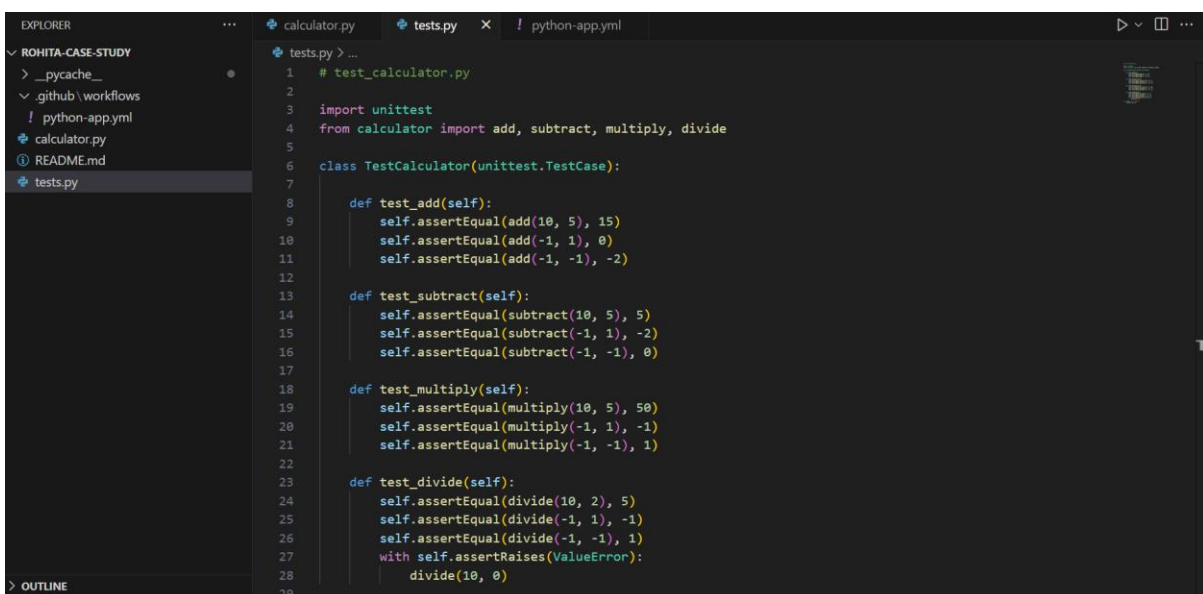
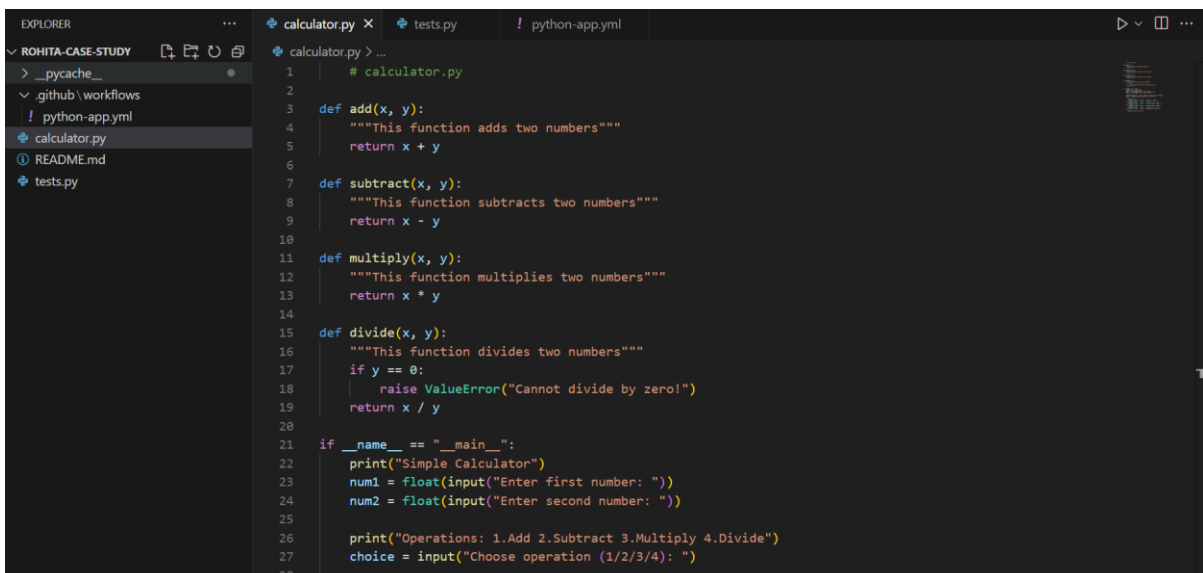
a. Creating a new repository



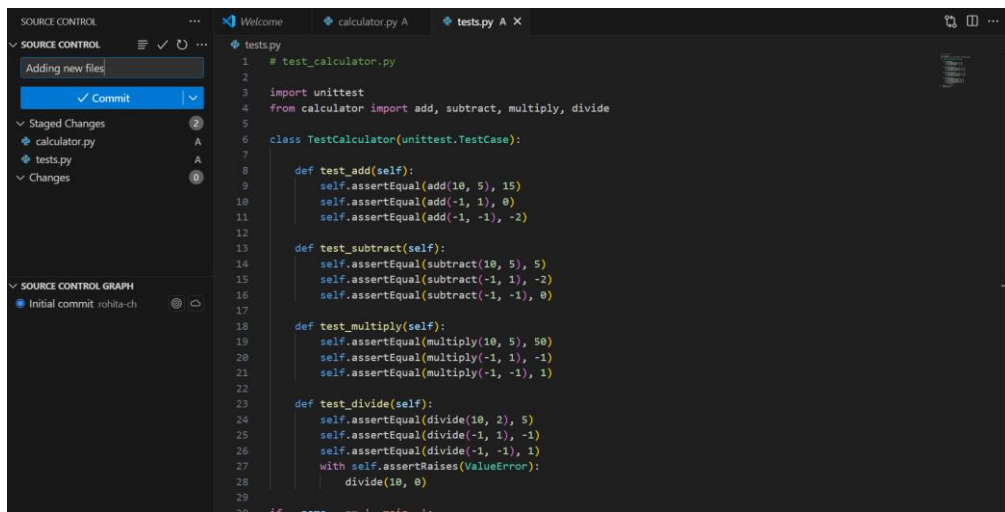
b. Cloning the repository



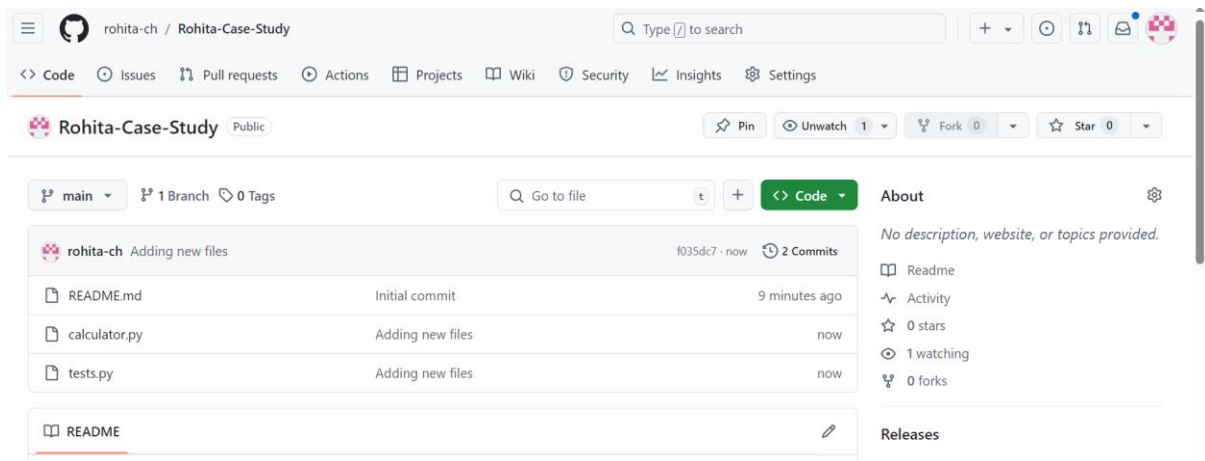
c. Adding calculator.py and tests.py



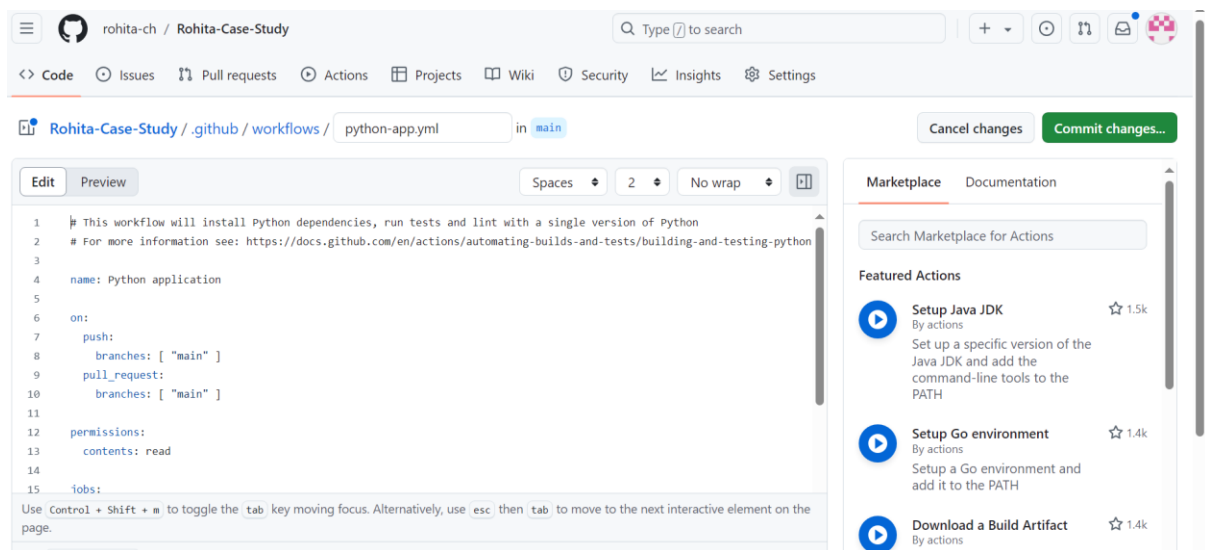
d. Staging and committing changes to repo



The screenshot shows the VS Code interface. On the left, the 'SOURCE CONTROL' panel is open, showing a list of changes: 'Adding new files' (calculator.py, tests.py) and 'Initial commit' (rohita-ch). The main editor displays the content of 'tests.py', which contains a Python class 'TestCalculator' with methods for testing addition, subtraction, multiplication, and division using unittest assertions.



e. Creating github action using python application



f. Building the application using github action

The screenshot shows a GitHub Actions workflow run for the repository 'rohita-ch/Rohita-Case-Study'. The workflow is named 'Updating yml file #3' and has a status of 'succeeded'. The run was completed 4 minutes ago. The left sidebar shows the 'Summary' tab, with 'Jobs' listed below it. The 'build' job is selected and highlighted. The 'Run details' section shows the workflow file. The main area displays the 'build' job logs, which include the following steps:

- Set up job (1s)
- Run actions/checkout@v4 (0s)
- Set up Python 3.10 (0s)
- Install dependencies (5s)
- Lint with flake8 (1s)
- Test with pytest (2s)
- Post Set up Python 3.10 (0s)
- Post Run actions/checkout@v4 (0s)
- Complete job (0s)

i. Adding new branch and publishing it

The screenshot shows a VS Code editor with a Python calculator application. The editor has three tabs: 'calculator.py', 'tests.py', and 'python-app.yml'. The 'calculator.py' tab is active, showing the following code:

```
11 def multiply(x, y):
12     """This function multiplies two numbers"""
13     return x * y
14
15 def divide(x, y):
16     """This function divides two numbers"""
17     if y == 0:
18         raise ValueError("Cannot divide by zero!")
19     return x / y
20
21 if __name__ == "__main__":
22     print("Rohita's Simple Calculator")
23     num1 = float(input("Enter first number: "))
24     num2 = float(input("Enter second number: "))
25
26     print("Operations: 1.Add 2.Subtract 3.Multiply 4.Divide")
27     choice = input("Choose operation (1/2/3/4): ")
28
29     if choice == '1':
30         print(f"{num1} + {num2} = {add(num1, num2)}")
31     elif choice == '2':
32         print(f"{num1} - {num2} = {subtract(num1, num2)}")
33     elif choice == '3':
34         print(f"{num1} * {num2} = {multiply(num1, num2)}")
35     elif choice == '4':
36         print(f"{num1} / {num2} = {divide(num1, num2)}")
37     else:
38         print("Invalid choice")
```


The left sidebar shows the 'SOURCE CONTROL' panel. The 'Publish Branch' button is visible. The 'SOURCE CONTROL GRAPH' shows the following commits:

- adding to new branch rohita-ch
- update rohita-ch
- Updating files rohita-ch
- Building the file rohita-ch
- Trying new code rohita-ch
- Testing rohita-ch
- Updating yml file rohita-ch
- Merge branch 'main' of https://gi...
- Create python-app.yml rohita-ch
- Changing tests file rohita-ch
- Adding new files rohita-ch
- Initial commit rohita-ch

j. Creating pull request

https://github.com/rohita-ch/Rohita-Case-Study/compare/test-branch?expand=1

base: main ← compare: test-branch ✓ Able to merge. These branches can be automatically merged.

 Add a title

adding to new branch

Add a description

Write Preview H B I ≡ < > 🔗 ☰ ☷ ☹️ 📎 @ 🗨️ ↶ 🗑️

Add your description here...


Markdown is supported Paste, drop, or click to add files

Create pull request


k. Merging the request

https://github.com/rohita-ch/Rohita-Case-Study/pull/1


adding to new branch #1



 Open rohita-ch wants to merge 1 commit into `main` from `test-branch`


Conversation 0 Commits 1 Checks 0 Files changed 1


 rohita-ch commented now Owner ⋮

No description provided.





  adding to new branch ✓ cff44b3








-  Require approval from specific reviewers before merging
[Rulesets](#) ensure specific people approve pull requests before they're merged. Add rule ×
- ✓ All checks have passed
1 successful check Show all checks
- ✓ This branch has no conflicts with the base branch
Merging can be performed automatically.

Merge pull request You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

adding to new branch #1


 Merged rohita-ch merged 1 commit into `main` from `test-branch`  now



 Conversation 0  Commits 1  Checks 0  Files changed 1






rohita-ch commented 1 minute ago Owner ...

No description provided.










  adding to new branch ✓ cff44b3


  rohita-ch merged commit `2f3b541` into `main` now
1 check passed View details Revert





Pull request successfully merged and closed
You're all set—the `test-branch` branch can be safely deleted. Delete branch


l. Checking the build


<https://github.com/rohita-ch/Rohita-Case-Study/actions/runs/10734628769/job/29770195351>       


 ✓ Merge pull request #1 from rohita-ch/test-branch #9 Re-run all jobs ...


[Summary](#)
[Jobs](#)
[build](#)
[Run details](#)
[Usage](#)
[Workflow file](#)


build
succeeded now in 6s Search logs  


 Set up job 0s


 Checkout code 1s

 Set up Python 0s

 Run tests 0s

 Post Set up Python 0s

 Post Checkout code 0s

 Complete job 0s

```
1 ▶ Run python -m unittest discover
7 ....
8 .....
9 Ran 4 tests in 0.000s
10
11 OK
```

m. Testing the application

```
C:\Users\rohita-bootcamp\Documents\Rohita_casestudy\Rohita-Case-Study>python calculator.py
Simple Calculator
Enter first number: 2
Enter second number: 3
Operations: 1.Add 2.Subtract 3.Multiply 4.Divide
Choose operation (1/2/3/4): 1
2.0 + 3.0 = 5.0

C:\Users\rohita-bootcamp\Documents\Rohita_casestudy\Rohita-Case-Study>python tests.py
....
-----
Ran 4 tests in 0.001s
OK
```