

# Case Study

- G Joshita Reddy

Azure DevOps - <https://dev.azure.com/joshitareddy/Case%20Study%20Joshita>

GitHub Link - [JoshitaReddy/Foundational-Training \(github.com\)](https://github.com/JoshitaReddy/Foundational-Training)

## SLDC, Agile & Software Testing

1. Access Azure Portal
2. Create Azure VM

Microsoft Azure

Home > Virtual machines >

### Create a virtual machine

Changing Basic options may reset selections you have made. Review all options prior to creating the 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

Subscription \*

Resource group \*  [Create new](#)

Instance details

Virtual machine name \*

Region \*

Availability options

Zone options ☒ Self-selected zone  
Choose up to 3 availability zones, one VM per zone

Estimated monthly cost  
₹3,985.52 / month  
[View cost details](#)

< Previous | Next: Disks > | **Review + create**

[Give feedback](#)

Microsoft Azure

Home >

### CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20240906100310 | Overview

Deployment

Search

Delete | Cancel | Redeploy | Download | Refresh

Overview

Inputs

Outputs

Template

**Your deployment is complete**

Deployment name: CreateVm-MicrosoftWindowsDesktop... | Start time: 9/6/2024, 10:05:47 AM | Correlation ID: 784b3b60-f617-49f5-b4

Subscription: RDBI | 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  
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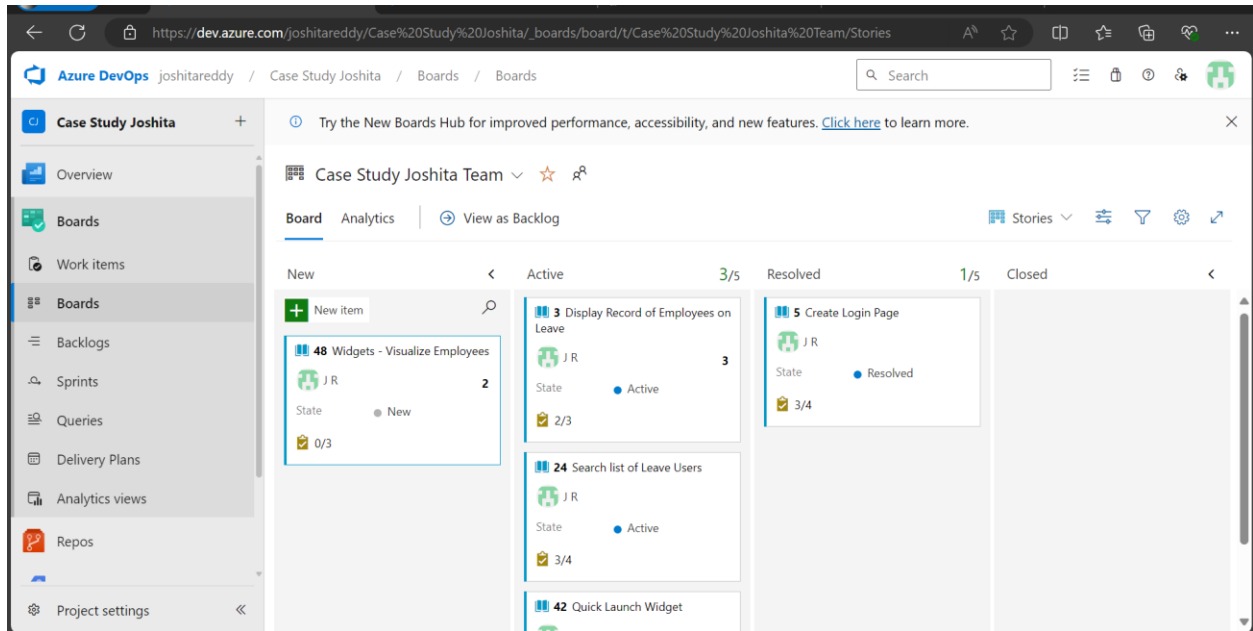
### 3. Azure DevOps Portal → project

The screenshot shows the Azure DevOps Portal interface for a project named 'Case Study Joshita'. The left sidebar contains navigation links: Overview, Summary (selected), Dashboards, Wiki, Boards, Repos, Pipelines, Test Plans, and Artifacts. The main content area has a header with the project name and a search bar. Below the header, there's a section 'About this project' with a prompt to 'Help others to get on board!' and a button '+ Add Project Description'. To the right of this is an illustration of a person jumping over clouds. Below that is a 'Project stats' section with a dropdown for 'Period: Last 7 days'. It shows 'Boards' with '1 Work items created' and '0 Work items completed'.

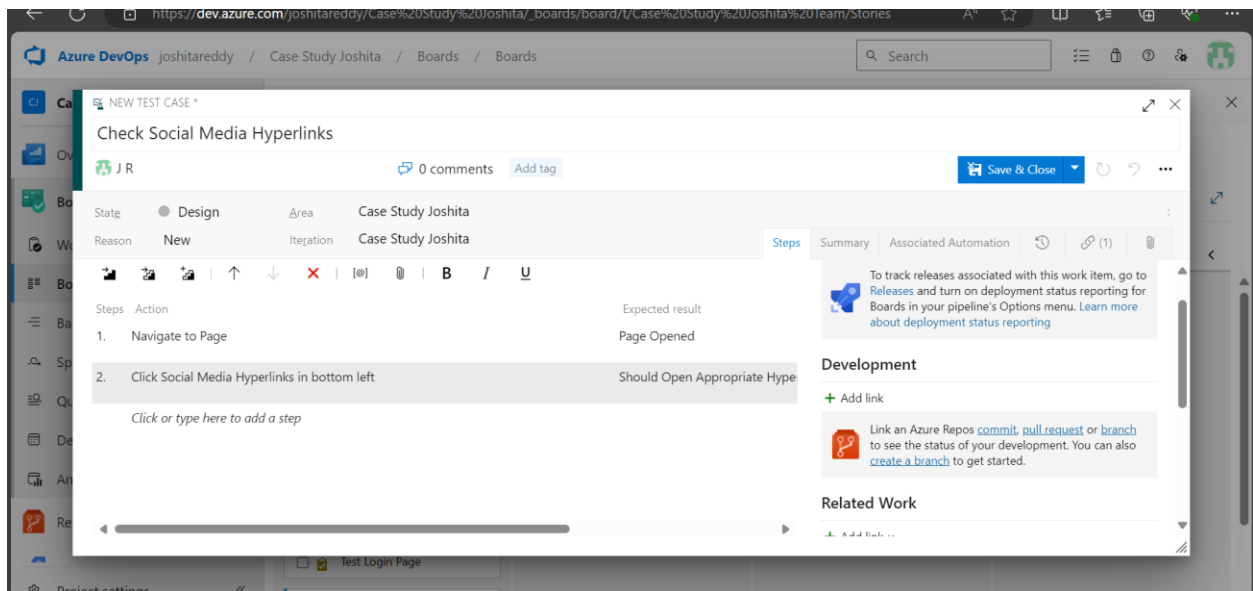
### 4. Create Sprints

The screenshot shows the Azure DevOps Portal interface for the 'Sprints' page of the 'Case Study Joshita Team'. The left sidebar has navigation links: Overview, Boards, Work items, Boards, Backlogs, Sprints (selected), Queries, Delivery Plans, Analytics views, Repos, and Project settings. The main content area has a header with the team name and a search bar. Below the header, there's a section 'You do not have any work scheduled yet' with a button '+ New Work Item'. To the right is a 'Planning' section with a title 'Case Study Joshita Team Backlog' and a list of iterations: 'Iteration 1' (9/9/2024 - 9/20/2024, 10 working days, 'Current'), 'Iteration 2' (9/21/2024 - 10/5/2024, 10 working days), and 'Iteration 3' (10/8/2024 - 10/21/2024, 10 working days). Each iteration has a 'No work scheduled yet' status.

## 5. User Stories



## 6. Test Cases



Azure DevOps joshitareddy / Case Study Joshita / Boards / Boards

NEW TEST CASE \*

### Check Submitting with Correct Credentials

J R 0 comments Add tag Save & Close

State: Design Area: Case Study Joshita Reason: New Iteration: Case Study Joshita

Steps

Steps	Action	Expected result
1.	Navigate to Page	HR Page Opened
2.	Enter Correct Username & Password	Able to enter values
3.	Click on Submit	Logs into HR Page

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

Related Work

+ Add link

Parent

17 Test Login Page

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NEW TEST CASE \*

### Try Login with Incorrect Credentials

J R 0 comments Add tag Save & Close

State: Design Area: Case Study Joshita Reason: New Iteration: Case Study Joshita

Steps

Steps	Action	Expected result
1.	Navigate to page	Page Opened
2.	Enter wrong credentials	Able to enter values
3.	Press Submit Button	Incorrect Credentials Message s

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

Related Work

+ Add link

Parent

12 Test Login Page

Updated 9 minutes ago, New

Azure DevOps joshitareddy / Case Study Joshita / Boards / Boards

NEW TEST CASE \*

### Check Forget Password

J R 0 comments Add tag Save & Close

State Design Area Case Study Joshita Reason New Iteration Case Study Joshita

Steps	Action	Expected result
1.	Navigate to page	Page Opened
2.	Click forgot password hyperlink	Should Open a page to enter Us
3.	Enter Username	Should mail you to password lin message regarding the same

Click or type here to add a step

Parameter values

Boards in your pipeline's Options menu. [Learn more about deployment status reporting](#)

Development

Related Work

+ Add link

Parent

12 Test Login Page Updated 22 minutes ago. New

Status

Priority

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NEW TEST CASE \*

### Check if People on Leave are being Displayed

J R 0 comments Add tag Save & Close

State Design Area Case Study Joshita Reason New Iteration Case Study Joshita

Steps Action

1.	Navigate to Leave page	Leave Page Opens
2.	Go to bottom of page	Should see table listing employe

Click or type here to add a step

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](#)

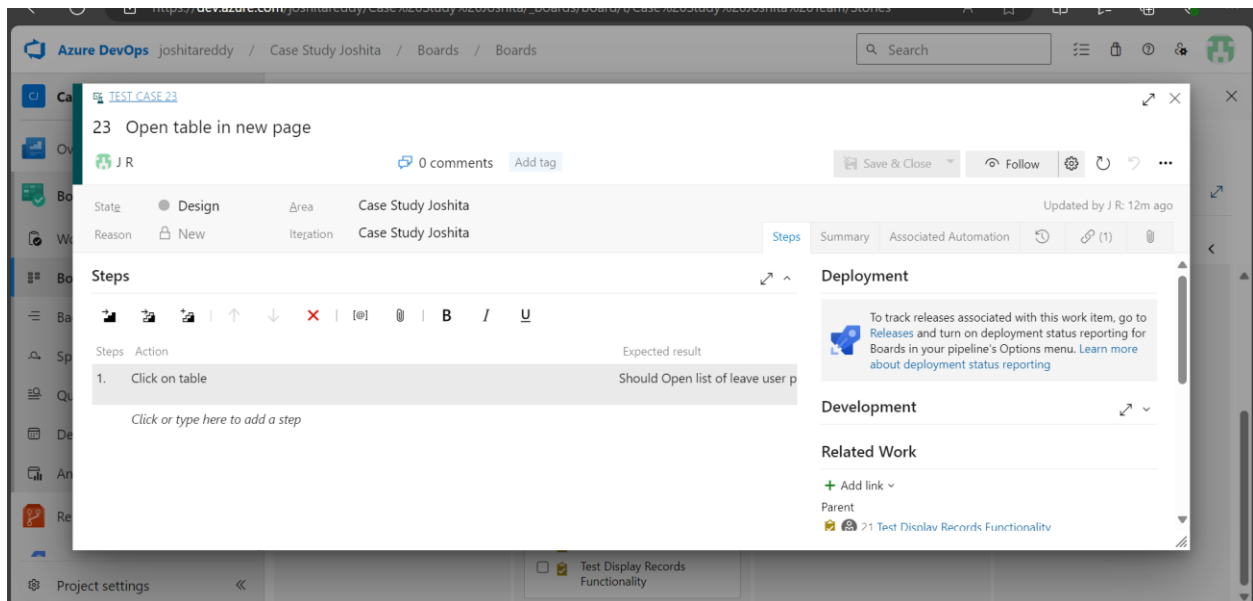
Development

Related Work

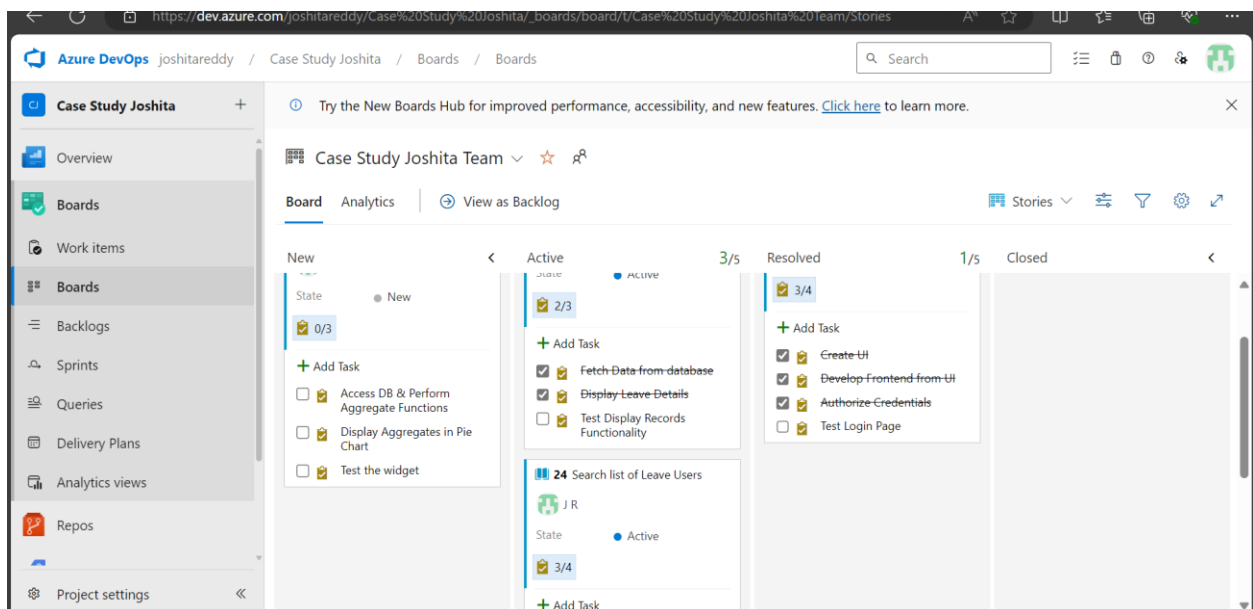
+ Add link

Parent

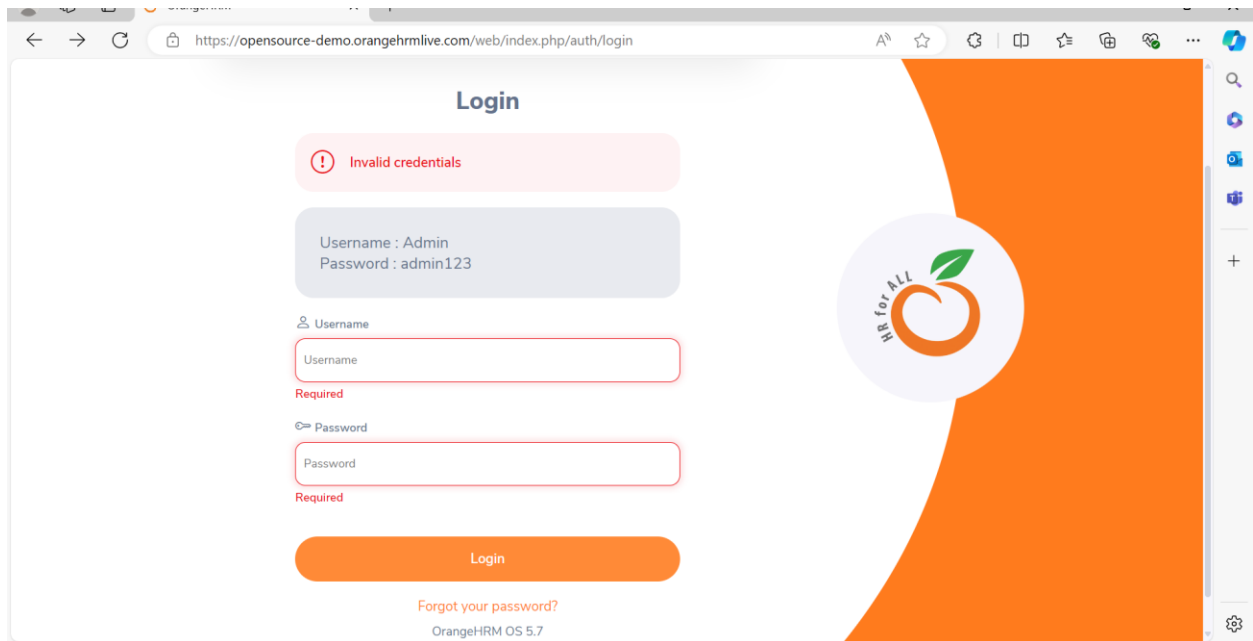
21 Test Display Records Functionality Updated 5 minutes ago. New



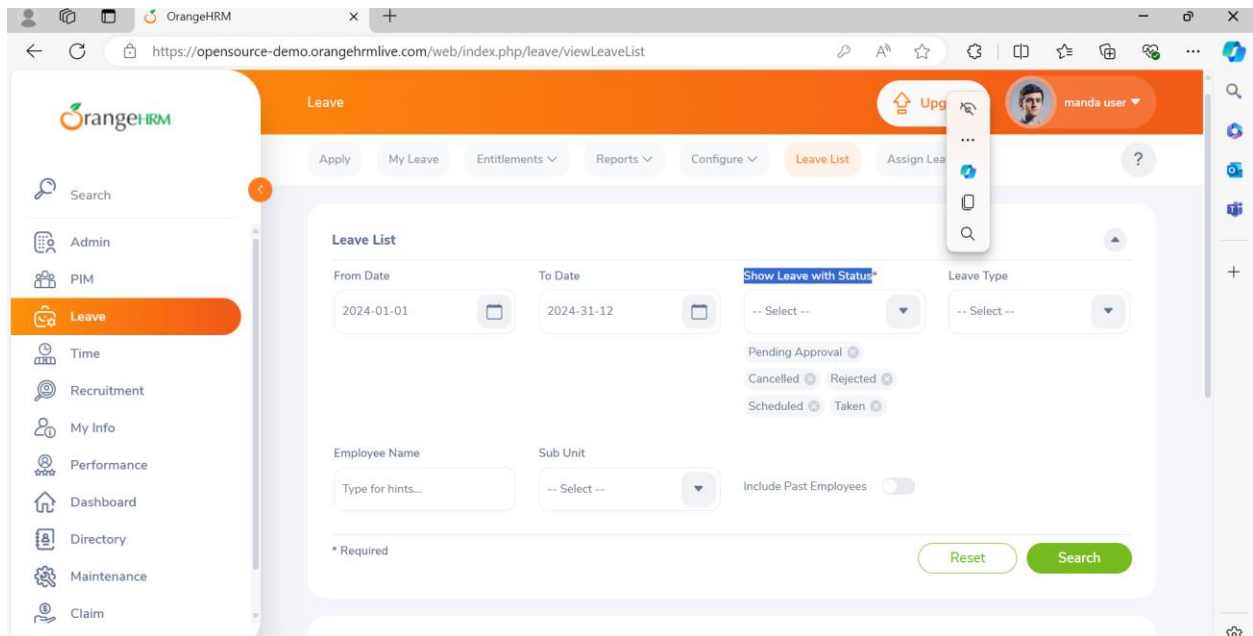
## 7. Task



## 8. Test Cases – Manual testing



The screenshot shows the OrangeHRM login interface. At the top, there is a red error message: "Invalid credentials". Below this, a grey box displays the login attempt: "Username : Admin" and "Password : admin123". The login form consists of two input fields: "Username" and "Password", both marked as "Required". A large orange "Login" button is positioned below the fields. At the bottom, there is a link for "Forgot your password?" and the version number "OrangeHRM OS 5.7". The background features the OrangeHRM logo and a large orange graphic.



The screenshot shows the OrangeHRM "Leave List" page. The left sidebar contains a navigation menu with options: Search, Admin, PIM, Leave (highlighted), Time, Recruitment, My Info, Performance, Dashboard, Directory, Maintenance, and Claim. The main content area is titled "Leave" and includes a sub-header "Leave List". It features several filters: "From Date" (2024-01-01), "To Date" (2024-31-12), "Show Leave with Status" (dropdown), and "Leave Type" (dropdown). There are also checkboxes for "Pending Approval", "Cancelled", "Rejected", "Scheduled", and "Taken". Below these are input fields for "Employee Name" (with a hint "Type for hints...") and "Sub Unit" (dropdown), along with a toggle for "Include Past Employees". At the bottom, there are "Reset" and "Search" buttons. The top right corner shows the user profile "manda user".

## 9. Defect Report

This screenshot shows a new bug report in Azure DevOps. The title is "Username is not Case Insensitive". The reporter is "J R". The bug is categorized as "New" with the area "Case Study Joshita" and reason "Case Study Joshita".

**Repro Steps:**

1. Navigate to page
2. Enter Username = ADMIN, Password = Admin123
3. Click on Submit

**Expected Result =** Invalid Credentials  
**Actual Result =** Page Logged in

**System Info:**

**Planning:**

- Resolved Reason
- Story Points
- Priority: 2
- Severity: 3 - Medium
- Activity

**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

This screenshot shows a new bug report in Azure DevOps. The title is "Reset Button Working Partially". The reporter is "Unassigned". The bug is categorized as "New" with the area "Case Study Joshita" and reason "Case Study Joshita/Iteration 1".

**Repro Steps:**

1. Go to leave page
2. Enter values to search functionality
3. Press reset

**Expected Outcome:** All values are reset  
**Actual Outcome:** "Show Leave with Status" columns still had value "Pending Approval" Selected

**System Info:**

**Planning:**

- Resolved Reason
- Story Points
- Priority: 2
- Severity: 3 - Medium
- Activity

**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



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NEW BUG \*

### Error with "Show Leave with Status"

Unassigned 0 comments Add tag Save & Close

State New Area Case Study Joshita Reason New Iteration Case Study Joshita\Iteration 1 Details (1)

#### Repro Steps

1. Enter values in search functionality
2. In "Show Leave with Status" select Rejected, Pending Approval, Cancelled, Rejected, Scheduled, Taken

Actual Outcome: All options are selected simultaneously  
Expected Outcome: Unselect the other options when one is selected as how can a user can have same leave with different status like pending for approval and reject at same time.

#### Planning

Resolved Reason  
Story Points  
Priority 2  
Severity 3 - Medium  
Activity

#### 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

Azure DevOps joshitareddy / Case Study Joshita / Boards / Boards

NEW BUG \*

### "Leave Rejected" Filter not working

Unassigned 0 comments Add tag Save & Close

State New Area Case Study Joshita Reason New Iteration Case Study Joshita\Iteration 1 Details (1)

#### Repro Steps

1. Filter employees whose leave is rejected
2. Click on search

Expected Outcome: Should display users whose leave was rejected  
Actual Outcome: Nothing is being displayed in the table.

#### System Info

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

#### Planning

Resolved Reason  
Story Points  
Priority 2  
Severity 3 - Medium  
Activity

#### Deployment

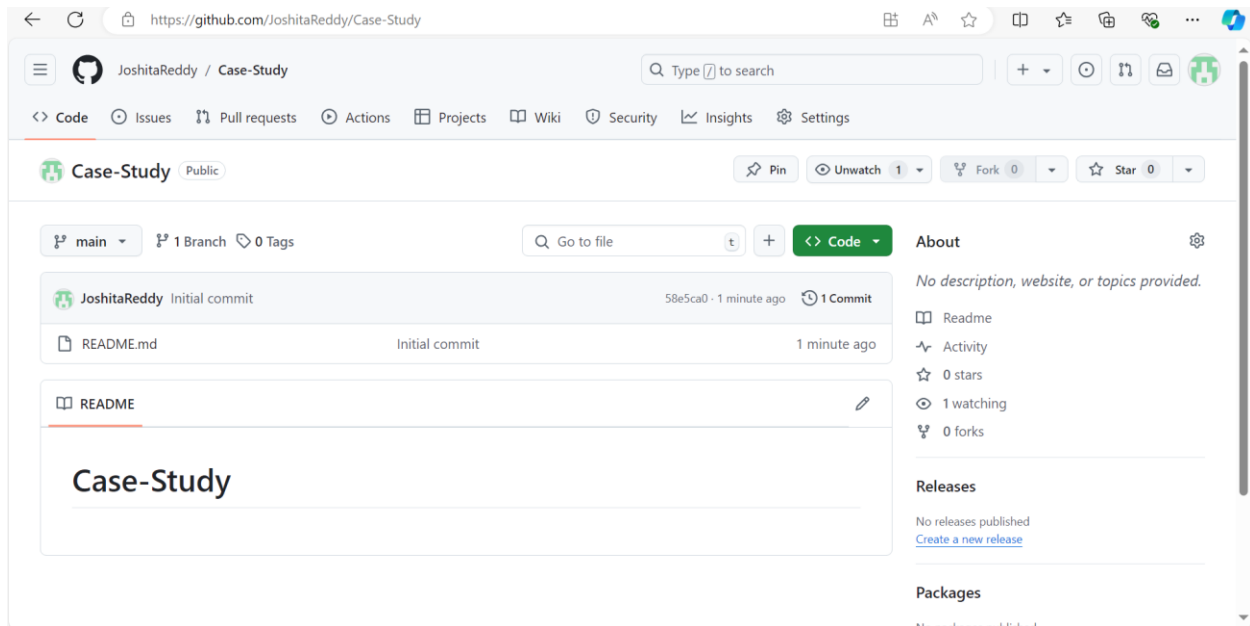
To track releases associated with this work item, go to [Releases](#) and turn on deployment status reporting for Boards in your pipeline's Options menu. Learn more about [deployment status reporting](#)

#### Development

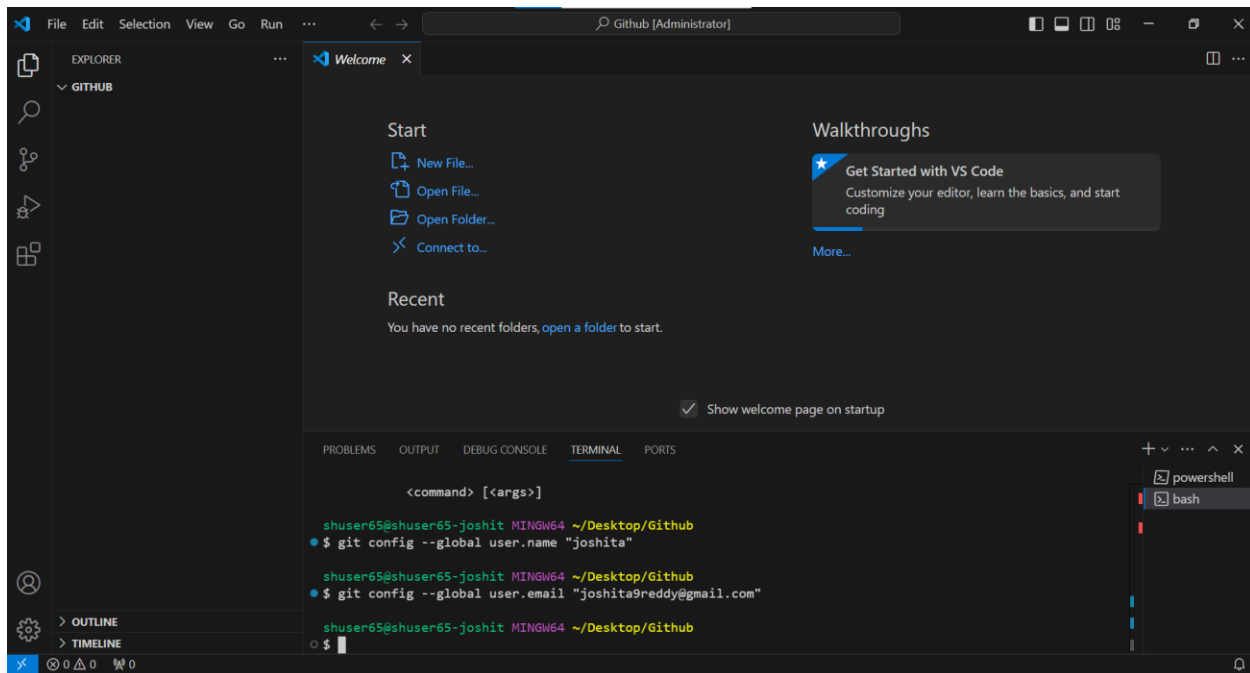
+ Add link  
Link an Azure Repos [commit](#), [pull request](#) or [branch](#) to see the status

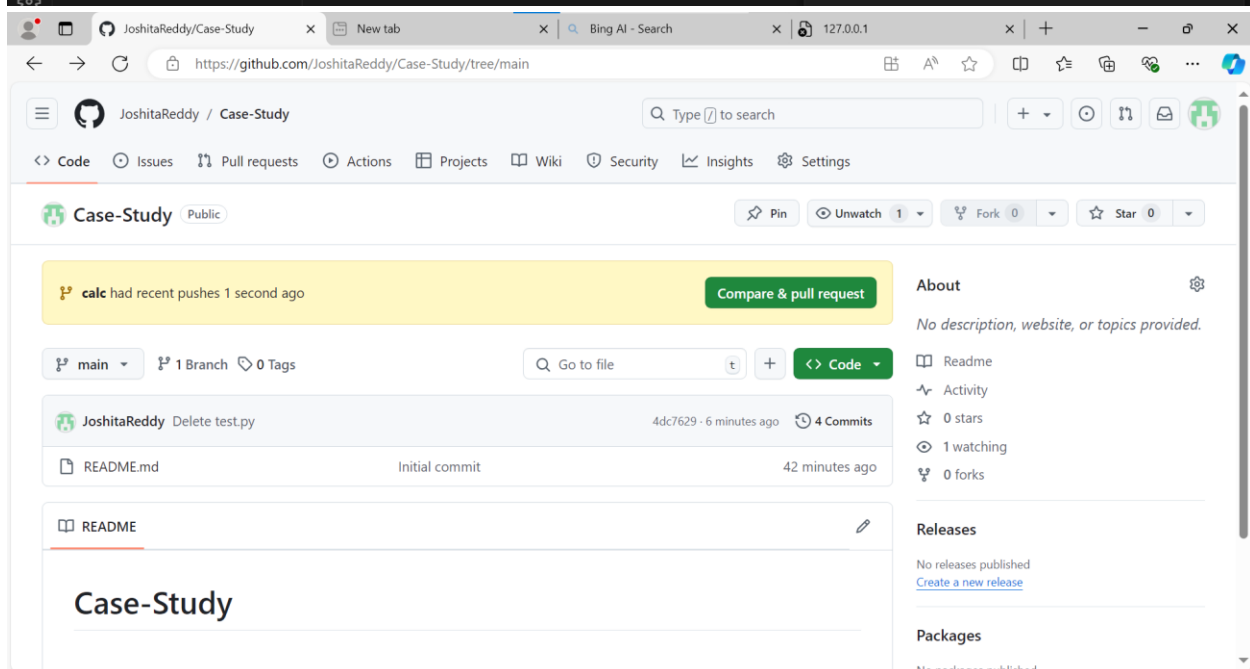
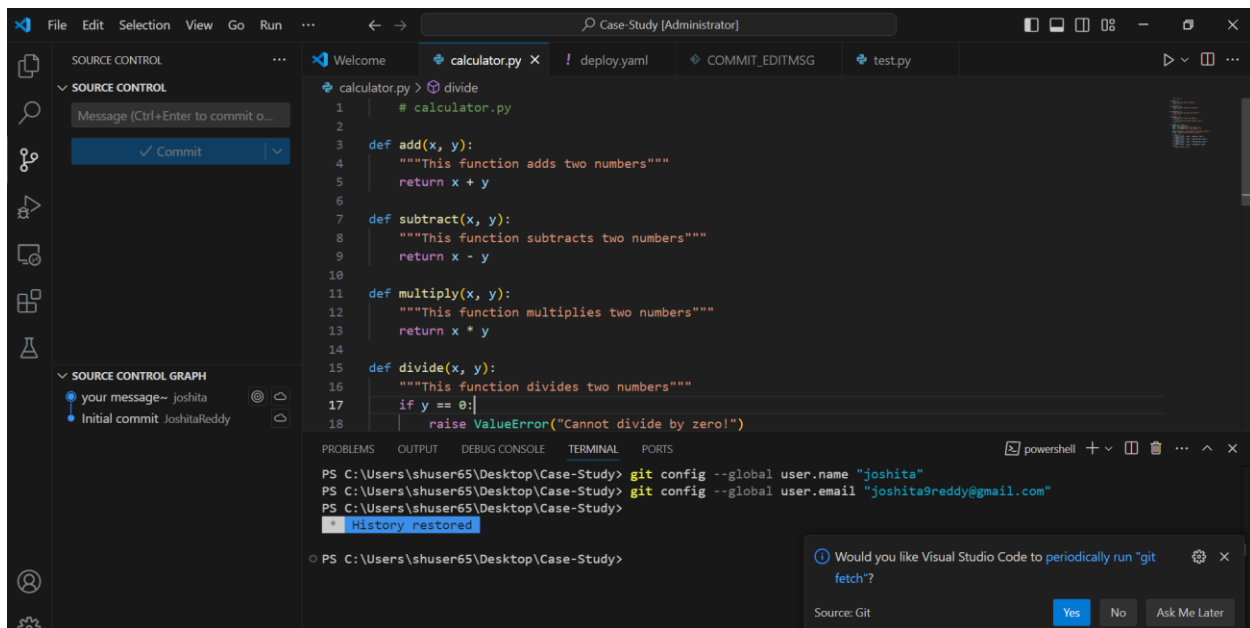
# GitHub Actions

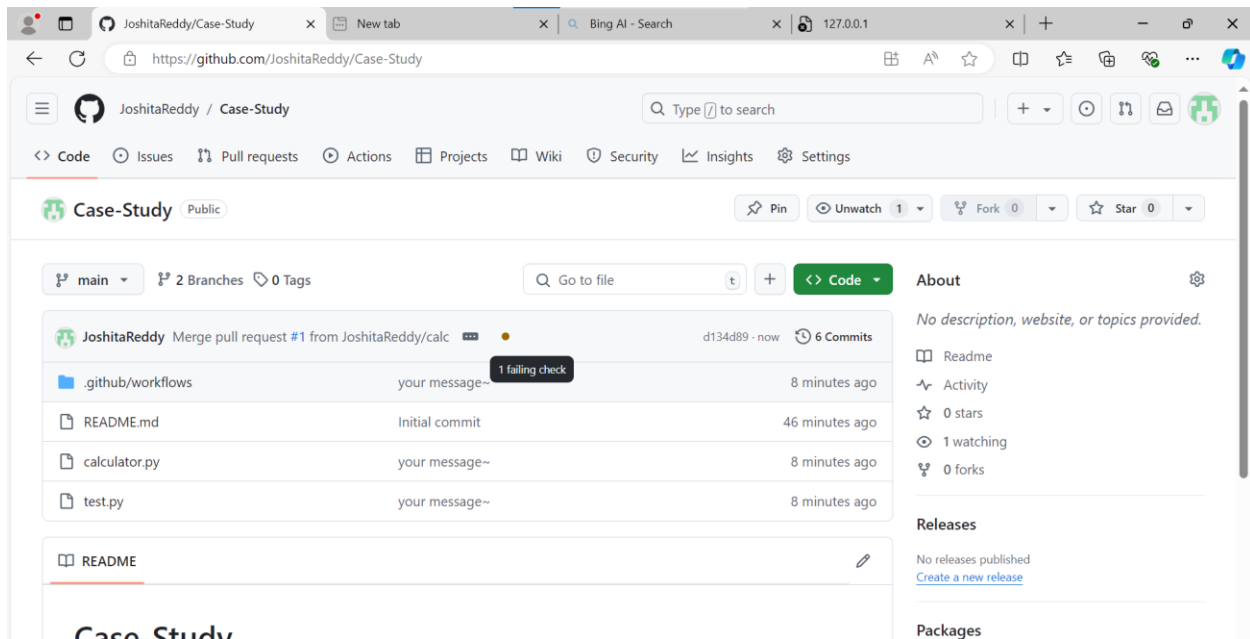
## 1. GitHub Repository



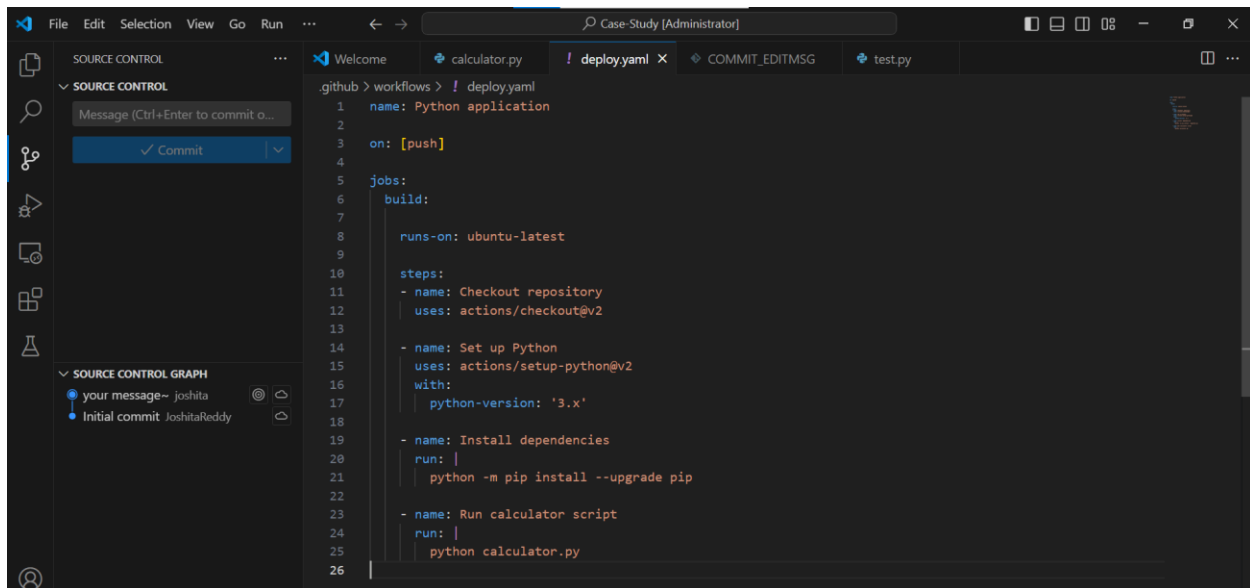
## 2. Git Clone



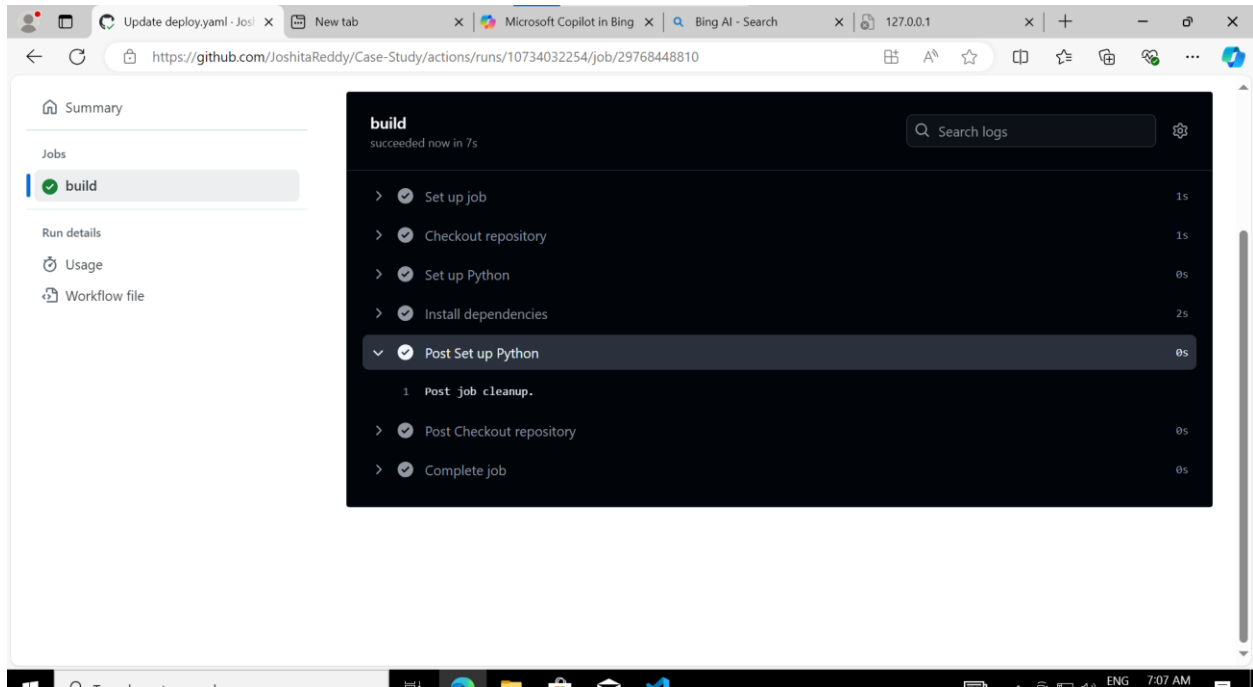




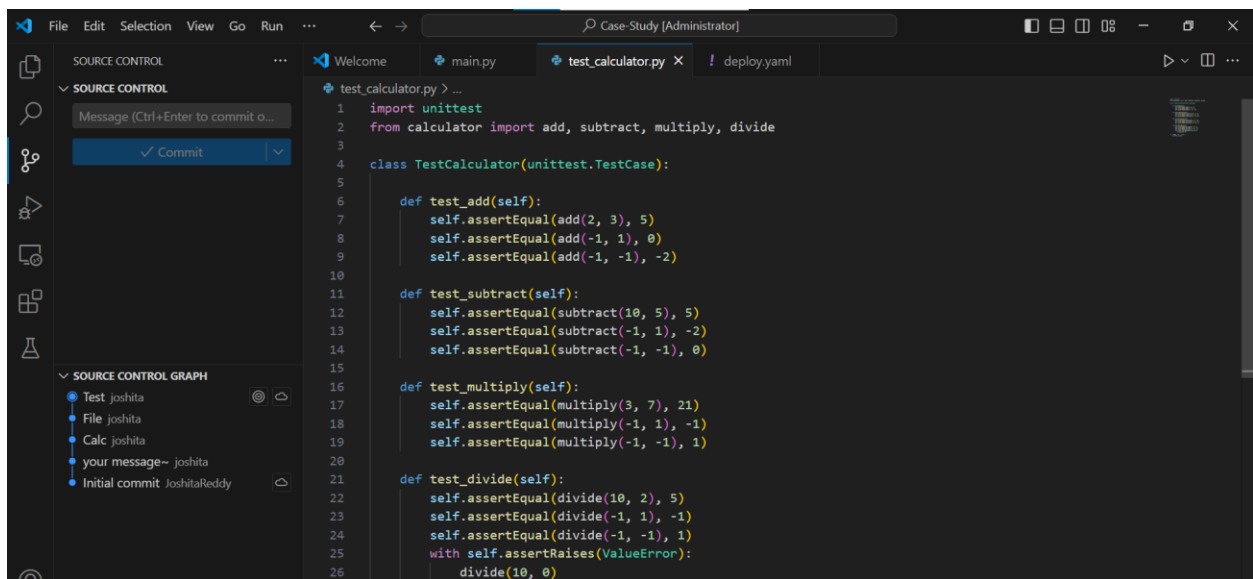
### 3. Workflow



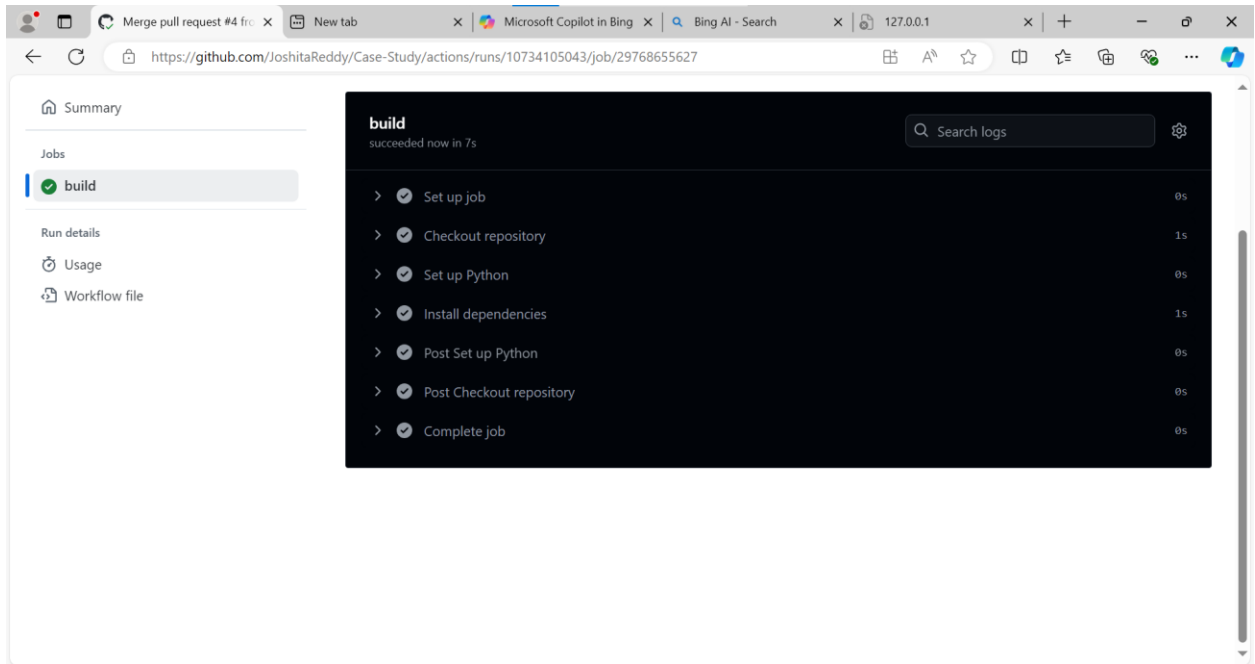
## 4. Build



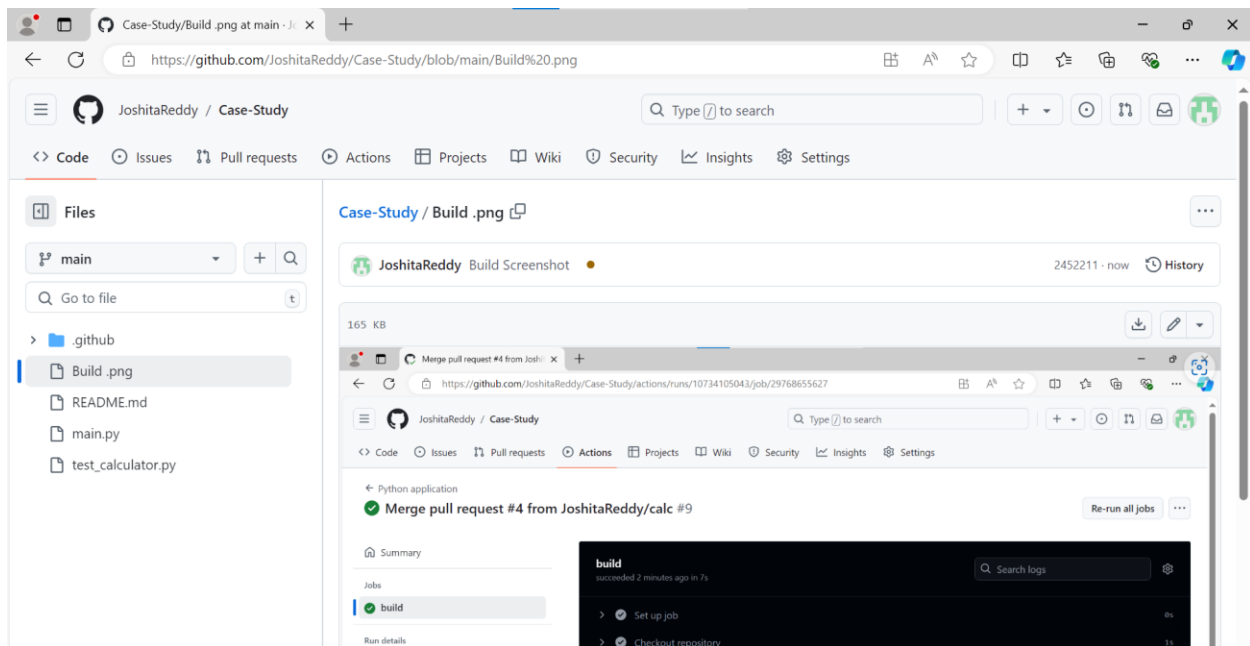
## 5. Make change – Unittest



## 6. Monitor Build Again



## 7. Update SS to repository



## 8. Testing

The image shows a code editor window with a file named `test_calculator.py`. The editor has tabs for `Code` and `Blame`, and a status bar indicating 29 lines (23 loc) and 870 Bytes. The code is a Python test file for a `TestCalculator` class. It includes tests for `add`, `subtract`, `multiply`, and `divide` methods. The `divide` test also checks for a `ValueError` when dividing by zero. The code is as follows:

```
5
6     def test_add(self):
7         self.assertEqual(add(2, 3), 5)
8         self.assertEqual(add(-1, 1), 0)
9         self.assertEqual(add(-1, -1), -2)
10
11    def test_subtract(self):
12        self.assertEqual(subtract(10, 5), 5)
13        self.assertEqual(subtract(-1, 1), -2)
14        self.assertEqual(subtract(-1, -1), 0)
15
16    def test_multiply(self):
17        self.assertEqual(multiply(3, 7), 21)
18        self.assertEqual(multiply(-1, 1), -1)
19        self.assertEqual(multiply(-1, -1), 1)
20
21    def test_divide(self):
22        self.assertEqual(divide(10, 2), 5)
23        self.assertEqual(divide(-1, 1), -1)
24        self.assertEqual(divide(-1, -1), 1)
25        with self.assertRaises(ValueError):
26            divide(10, 0)
27
28    if __name__ == '__main__':
29        unittest.main()
```

On the right side of the editor, there is a `Symbols` panel. It contains a search bar labeled "Filter symbols" and a list of symbols found in the file:

- class TestCalculator
  - func test\_add
  - func test\_subtract
  - func test\_multiply
  - func test\_divide