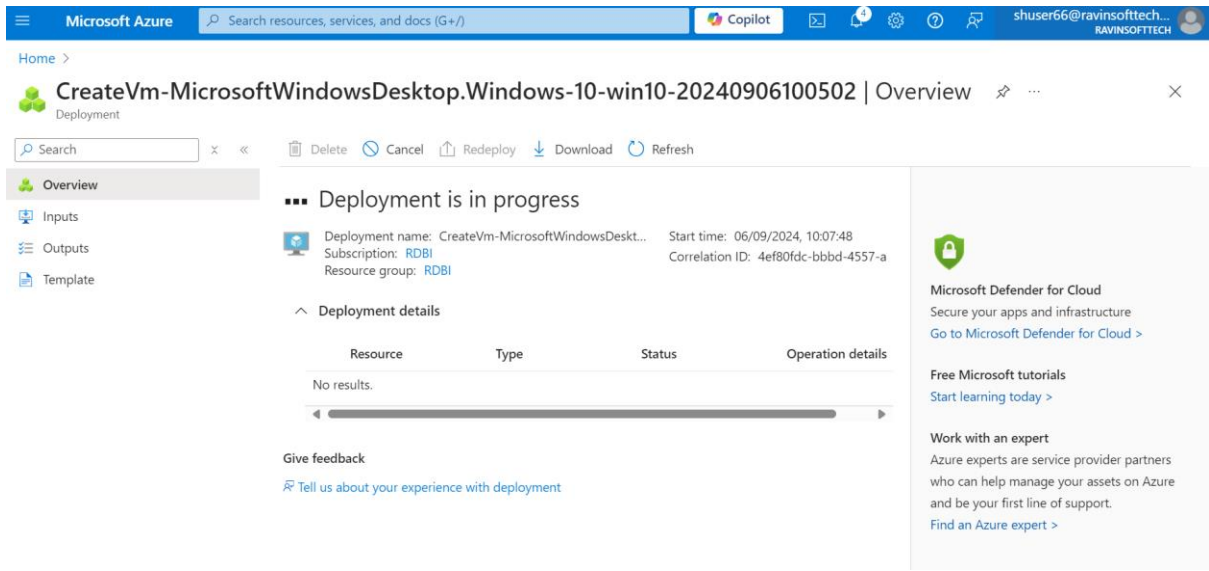


# CASE STUDY

Name: Insha Mustafa

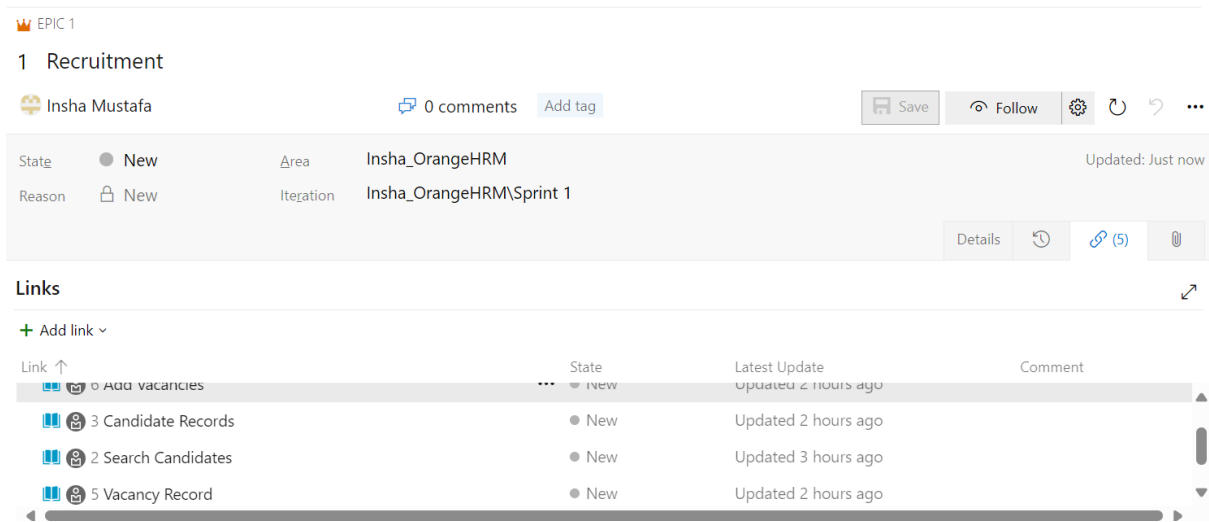
Date: 6<sup>th</sup> September 2024

- Creation of VM



- Azure DevOps

-creation of epic



## -creation of user story

Insha\_OrangeHRM Team

6 September - 20 September  
11 work days remaining

**Taskboard** Backlog Capacity Analytics | [+ New Work Item](#) ...

Sprint 1 Person: All

Collapse all

	New	Active	Resolved	Closed
<div> 6 Add Vacancies</div> <div> Unassigned</div> <div>State  New</div>				
<div> 5 Vacancy Record</div> <div> Unassigned</div> <div>State  New</div>				
<div> 4 Vacancy Search</div> <div> Unassigned</div> <div>State  New</div>				

## -creation of tasks

TASK 15

15 Search candidate

Unassigned 0 comments [Add tag](#) Save & Close Follow

State New Area Insha\_OrangeHRM Updated by Insha Mustafa: 2h ago  
Reason New Iteration Insha\_OrangeHRM\Sprint 1 [Details](#) (2)

**Description**

As a developer, I want to develop a search function wherein anyone could search candidates based on

- Job Title
- Vacancy
- Hiring Manager
- Status
- Candidate Name
- Keywords
- Date of Application
- Method of Application

to search a candidate who applied.

**Planning**

Priority  
2

Activity  
Development

**Effort (Hours)**

Original Estimate  
6

Remaining

**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

-creation of test case

TEST CASE 30

30 Validate deletion of candidate record

Insha Mustafa

0 comments

Add tag

Save

Follow

Settings

Refresh

Undo

Redo

State

Design

Area

Insha\_OrangeHRM

Reason

New

Iteration

Insha\_OrangeHRM\Sprint 1

Updated: Just now

Steps

Summary

Associated Automation

History

Links (1)

Attachments

Steps

Action

Expected result

1. Navigate to recruitment, candidate page

Displays search results

2. Select a record

Displays tick icon

3. Click on delete selected

Displays a pop up

4. Click on yes, delete

Does not display error

Click or type here to add a step

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.

-creation of bug

Recently updated

Back to Work Items

1 of 24

Up

Down

BUG 24

24 Online method of application no records

Insha Mustafa

0 comments

Add tag

Save

Follow

Settings

Refresh

Undo

Redo

State

New

Area

Insha\_OrangeHRM

Reason

New

Iteration

Insha\_OrangeHRM\Sprint 1

Updated: 3m ago

Details

History

Links (1)

Attachments

Repro Steps

Planning

Deployment

• Navigate to recruitment, candidate page

• Select Online in method of application

• click search

No record is found when I have made one recently online.

System Info

Resolved Reason

Story Points

1

Priority

2

Severity

3 - Medium

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

-links

Link	State	Latest Update
Child (7)		
11 Search vacancies	New	Updated 3 hours ago
12 Test search vacancies	New	Updated 3 hours ago
27 Validate hiring manager	Design	Updated 23 minutes ago
26 Validate job title	Design	Updated 28 minutes ago
29 Validate reset button	Design	Updated 18 minutes ago
28 Validate Status	Design	Updated 20 minutes ago
25 Validate vacancy	Design	Updated 45 minutes ago
Parent		
1 Recruitment	New	Updated an hour ago

- **Github**

-github main branch

The screenshot shows the GitHub repository page for 'Insha33 / Insha\_Case\_Study'. The repository is public and has 2 branches and 0 tags. The main branch is selected. The repository has 6 commits, with the latest commit being a merge pull request #3 from Insha33/program. The commit history table shows the following files and their commit times:

File	Commit	Time
.github/workflows	change 3	1 minute ago
README.md	Initial commit	3 hours ago
calculator.py	whole program	15 minutes ago
test_calculator.py	whole program	15 minutes ago

The README section is visible, showing the repository name 'Insha\_Case\_Study'. The right sidebar contains the 'About' section with no description, website, or topics provided, and the 'Releases' section with no releases published.

-github program branch

The screenshot shows the GitHub repository page for 'Insha33 / Insha\_Case\_Study' on the 'program' branch. The repository is public and has 2 branches and 0 tags. The 'program' branch is selected, and it is 1 commit behind the main branch. The repository has 5 commits, with the latest commit being a change 3. The commit history table shows the following files and their commit times:

File	Commit	Time
.github/workflows	change 3	4 minutes ago
README.md	Initial commit	3 hours ago
calculator.py	whole program	17 minutes ago
test_calculator.py	whole program	17 minutes ago

The README section is visible, showing the repository name 'Insha\_Case\_Study'. The right sidebar contains the 'About' section with no description, website, or topics provided, and the 'Releases' section with no releases published.

-pull requests

Filters

is:pr is:closed

Labels 9

Milestones 0

New pull request

Clear current search query, filters, and sorts

0 Open

3 Closed

Author

Label

Projects

Milestones

Reviews

Assignee

Sort

Program

#3 by Insha33 was merged 5 minutes ago

Program

#2 by Insha33 was closed 8 minutes ago

whole program

#1 by Insha33 was closed 13 minutes ago

-Github workflows

Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

Actions

New workflow

All workflows

Python application

Management

Caches

Attestations

Runners

All workflows

Showing runs from all workflows

Filter workflow runs

5 workflow runs

Event

Status

Branch

Actor

Merge pull request #3 from Insha33/program

Python application #5: Commit 37fad0a pushed by Insha33

main

5 minutes ago

15s

change 3

Python application #4: Commit 855c51f pushed by Insha33

program

6 minutes ago

13s

change2

Python application #3: Commit 4337b83 pushed by Insha33

program

9 minutes ago

17s

change in yaml

Python application #2: Commit 084a3bd pushed by Insha33

program

14 minutes ago

12s

whole program

Python application #1: Commit 4825238 pushed by Insha33

program

19 minutes ago

16s

-Github action

Insha33 / Insha\_Case\_Study

Type to search

>

+

Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

Python application

change 3 #4

Re-run all jobs

Summary

Jobs

Run details

Usage

Workflow file

Triggered via push 8 minutes ago

Status

Total duration

Artifacts

Insha33 pushed 855c51f program Success 13s -

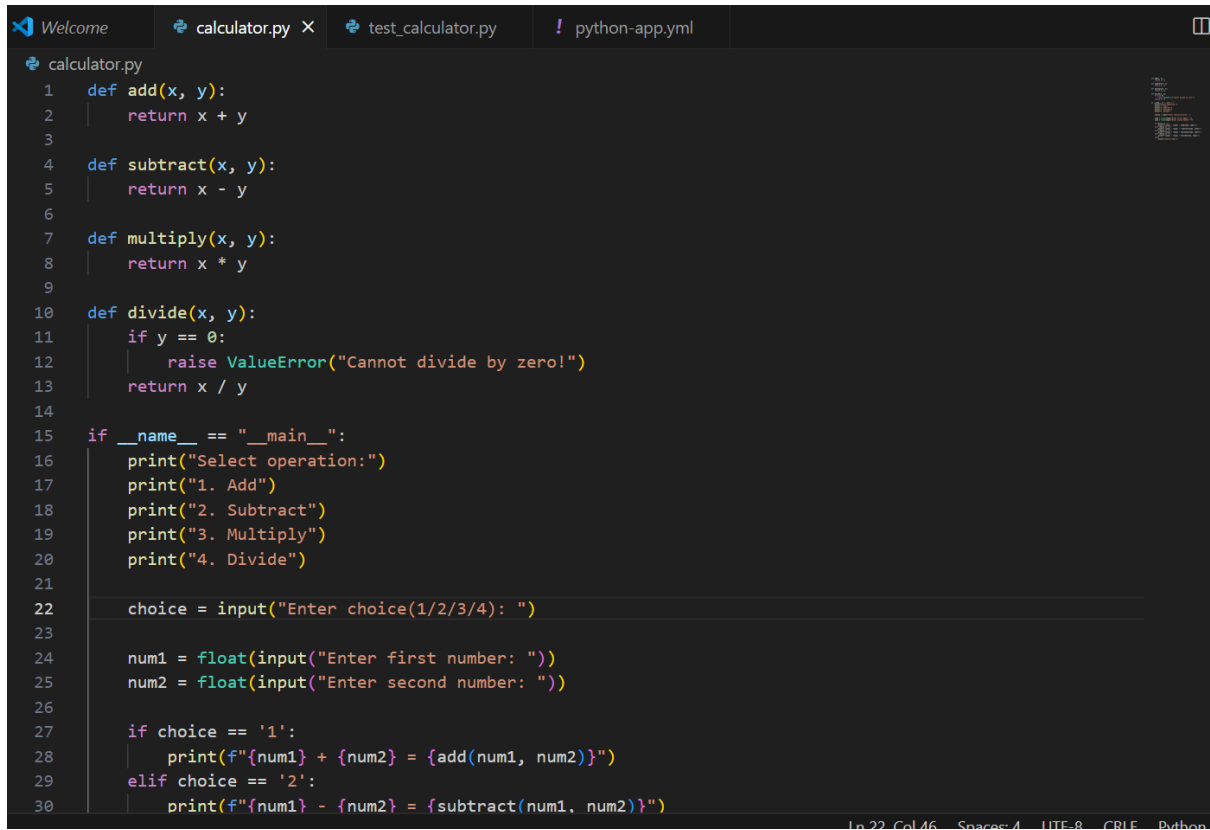
python-app.yml

on: push

build

5s

-python program



The image shows a screenshot of a Visual Studio Code editor window. The title bar at the top displays 'Welcome' and several open files: 'calculator.py', 'test\_calculator.py', and 'python-app.yml'. The 'calculator.py' file is the active editor, showing a Python script for a simple calculator. The code includes functions for addition, subtraction, multiplication, and division, along with a main block that handles user input and operation selection. The code is as follows:

```
1  def add(x, y):
2      return x + y
3
4  def subtract(x, y):
5      return x - y
6
7  def multiply(x, y):
8      return x * y
9
10 def divide(x, y):
11     if y == 0:
12         raise ValueError("Cannot divide by zero!")
13     return x / y
14
15 if __name__ == "__main__":
16     print("Select operation:")
17     print("1. Add")
18     print("2. Subtract")
19     print("3. Multiply")
20     print("4. Divide")
21
22     choice = input("Enter choice(1/2/3/4): ")
23
24     num1 = float(input("Enter first number: "))
25     num2 = float(input("Enter second number: "))
26
27     if choice == '1':
28         print(f"{num1} + {num2} = {add(num1, num2)}")
29     elif choice == '2':
30         print(f"{num1} - {num2} = {subtract(num1, num2)}")
```

The status bar at the bottom right indicates the current cursor position: 'Ln 22, Col 46', and other settings like 'Spaces: 4', 'UTF-8', 'CP1252', and 'Python'.

## -python unit test

```
test_calculator.py
1  import unittest
2  from calculator import add, subtract, multiply, divide
3
4  class TestCalculator(unittest.TestCase):
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()
30
```

Ln 30, Col 1 Spaces: 4 UTF-8 CRLF

## -yaml file

```
EXPLORER
└─ INSHA_CASE_STUDY
  └─ .github\workflows
    └─ ! python-app.yml
      └─ calculator.py
      └─ README.md
      └─ test_calculator.py

Welcome
calculator.py test_calculator.py ! python-app.yml X
.github > workflows > ! python-app.yml
1  name: Python application
2
3  on: [push]
4
5  jobs:
6      build:
7
8          runs-on: ubuntu-latest
9
10         steps:
11             - name: Checkout code
12               uses: actions/checkout@v3
13
14             - name: Set up Node.js
15               uses: actions/setup-node@v3
16               with:
17                 node-version: '20'
18
19             - name: Set up Python
20               uses: actions/setup-python@v4
21               with:
22                 python-version: '3.x'
23
24             - name: Install dependencies
25               run: |
26                 python -m pip install --upgrade pip
27
28             - name: Run tests
29               run: |
30                 python -m unittest discover
```

Ln 26, Col 1 Spaces: 4 UTF-8 CRLF

-build details

build

succeeded 46 minutes ago in 5s

Search logs

>

✔

Set up job

0s

>

✔

Checkout code

1s

>

✔

Set up Node.js

0s

>

✔

Set up Python

0s

>

✔

Install dependencies

1s

>

✔

Run tests

0s

>

✔

Post Set up Python

0s

>

✔

Post Set up Node.js

0s

>

✔

Post Checkout code

0s

>

✔

Complete job

0s