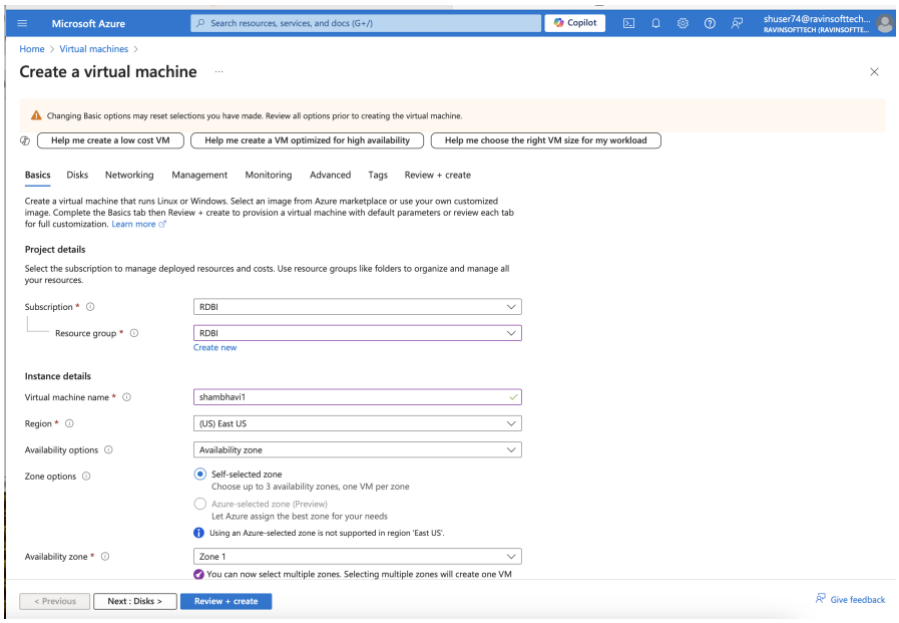
Shell Foundation – Final Case Study Document

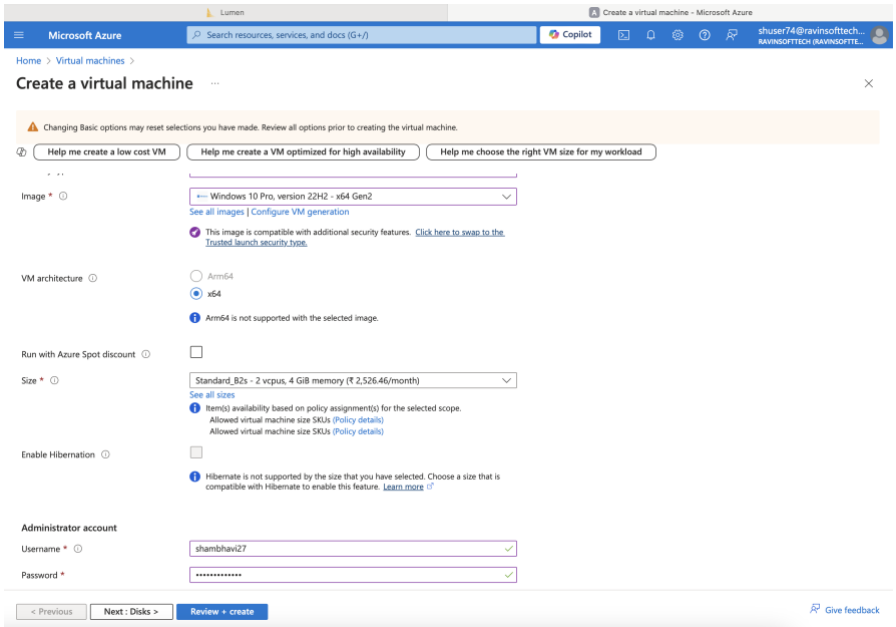
TASK 1: SDLC, Agile and Software Testing

Created a Virtual Machine on Azure Portal by selecting required system , network , disk configuration

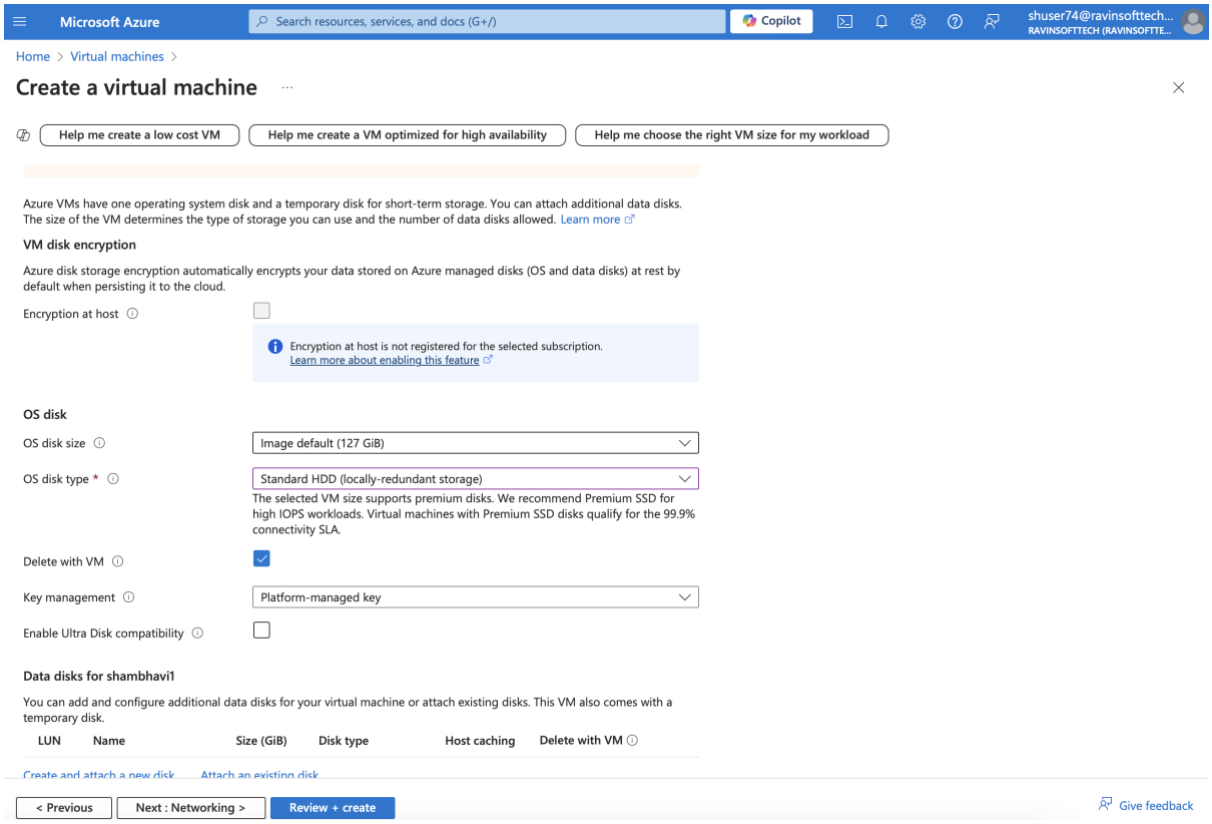
1. VM CREATION - Basics



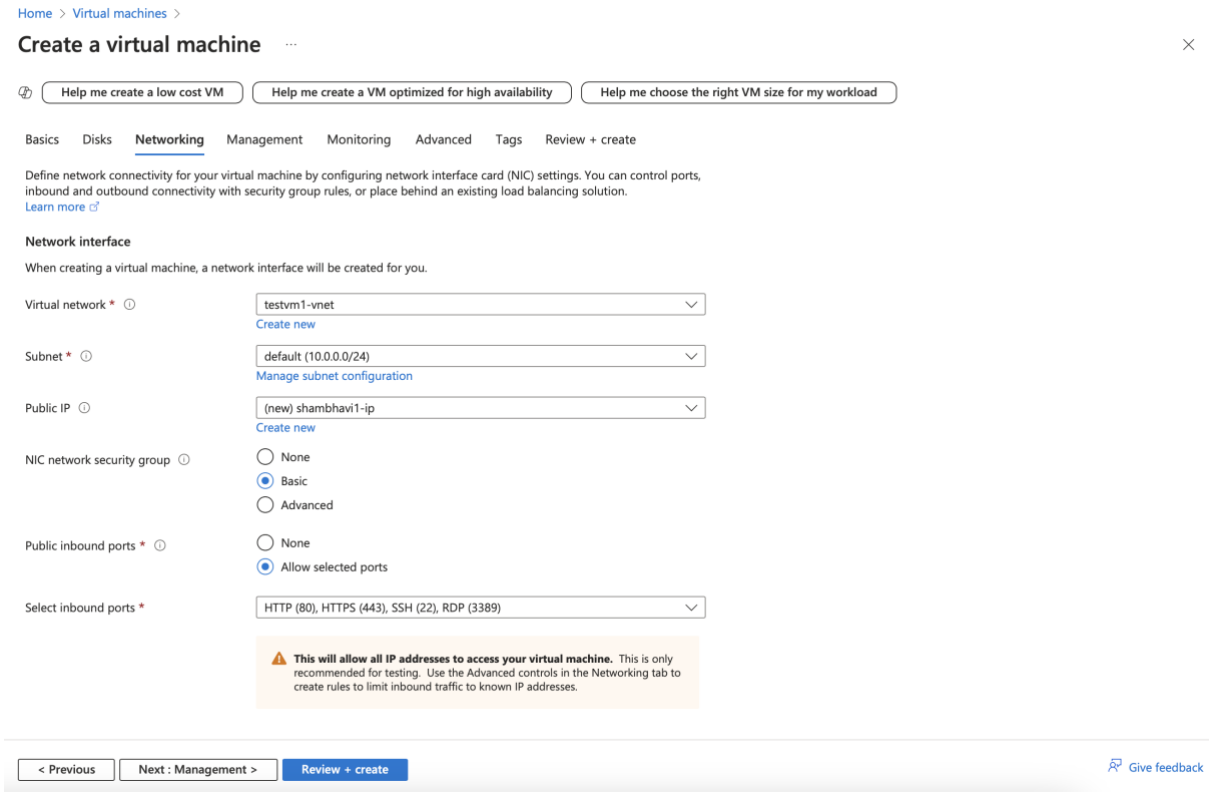
2. VM CREATION - Basics



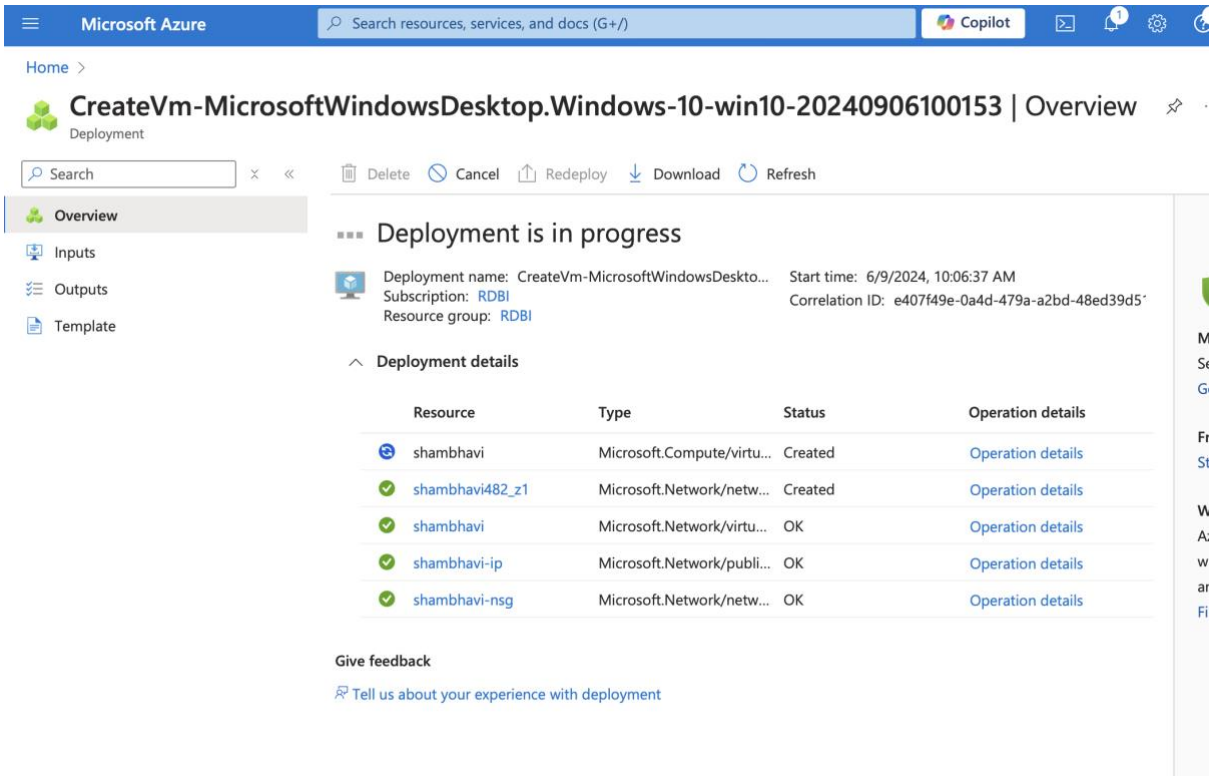
3. VM CREATION - DISK



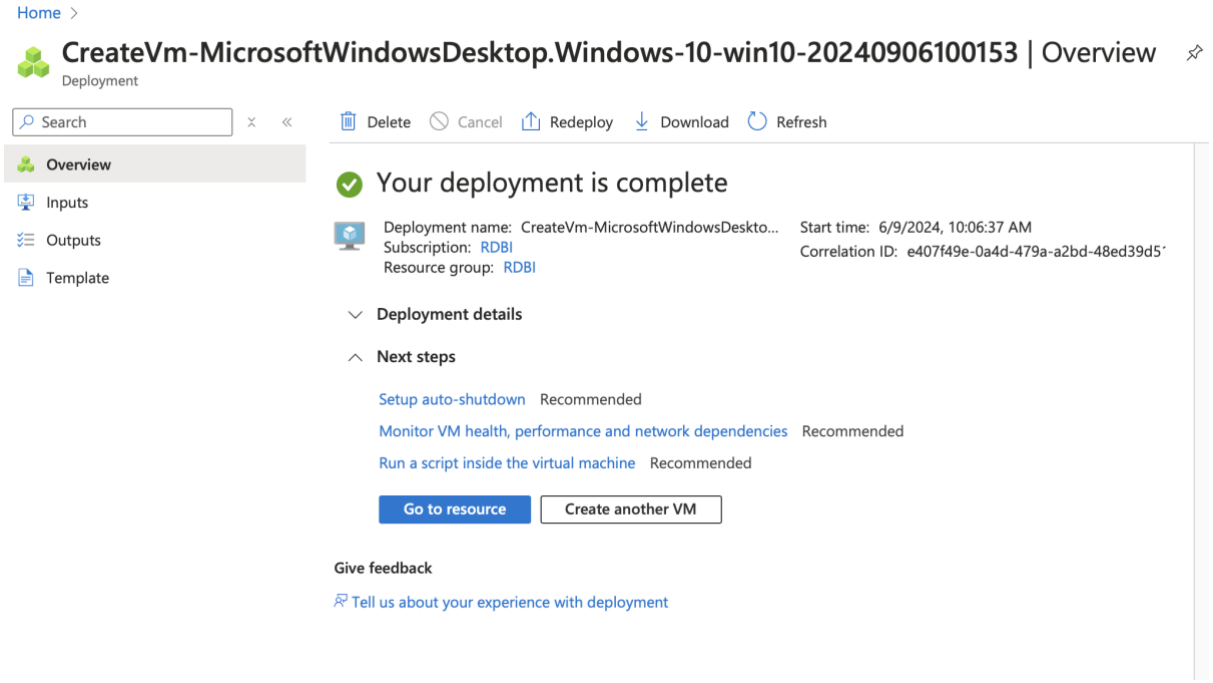
4. VM CREATION - Netwroking



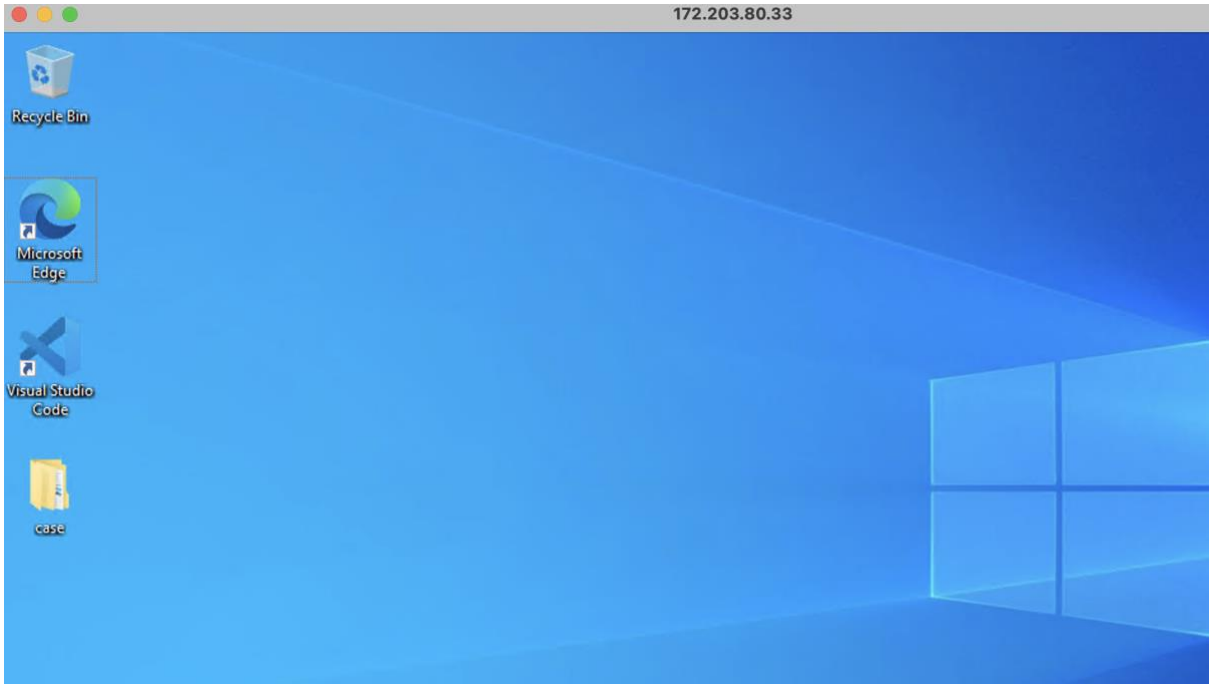
5. VM CRETION – DEPLOMENT



6. DEPLOYMENT SUCCESS



7. Accessing the VM

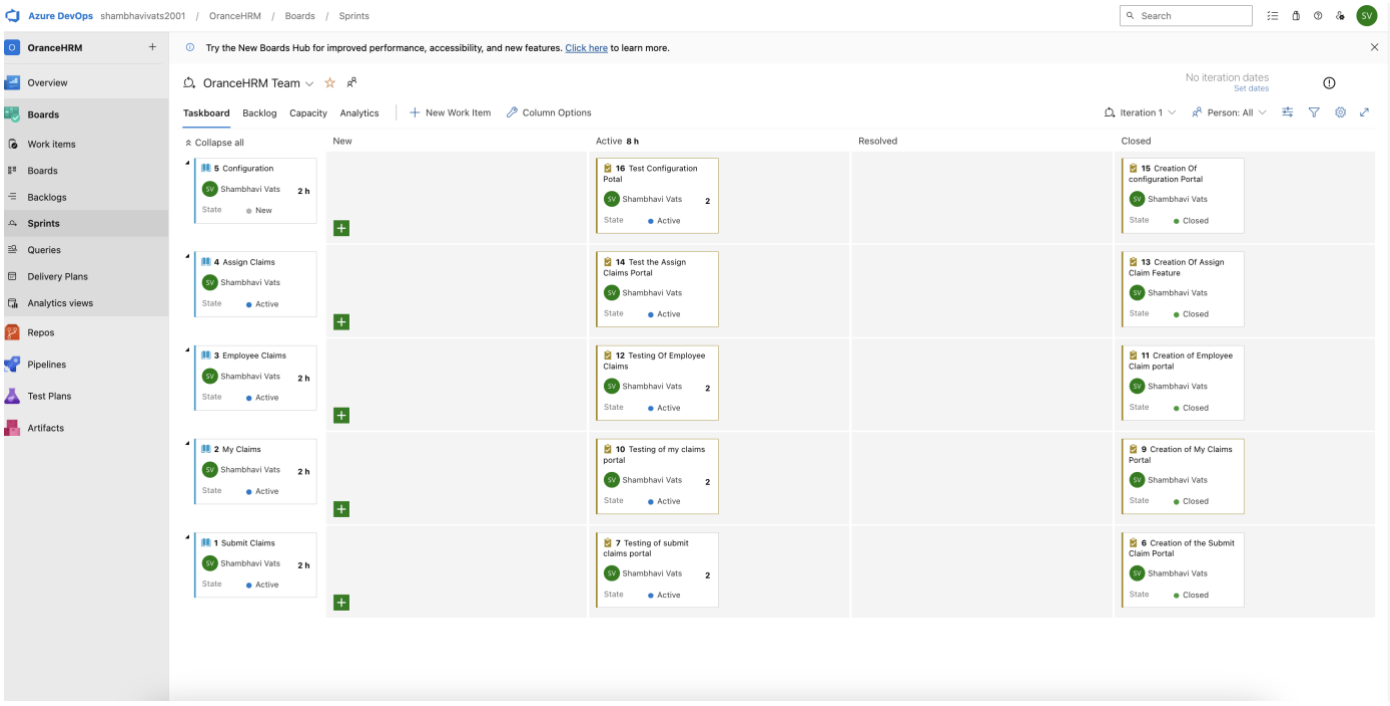


DEVOPS – AZURE DEVOPS PORTAL

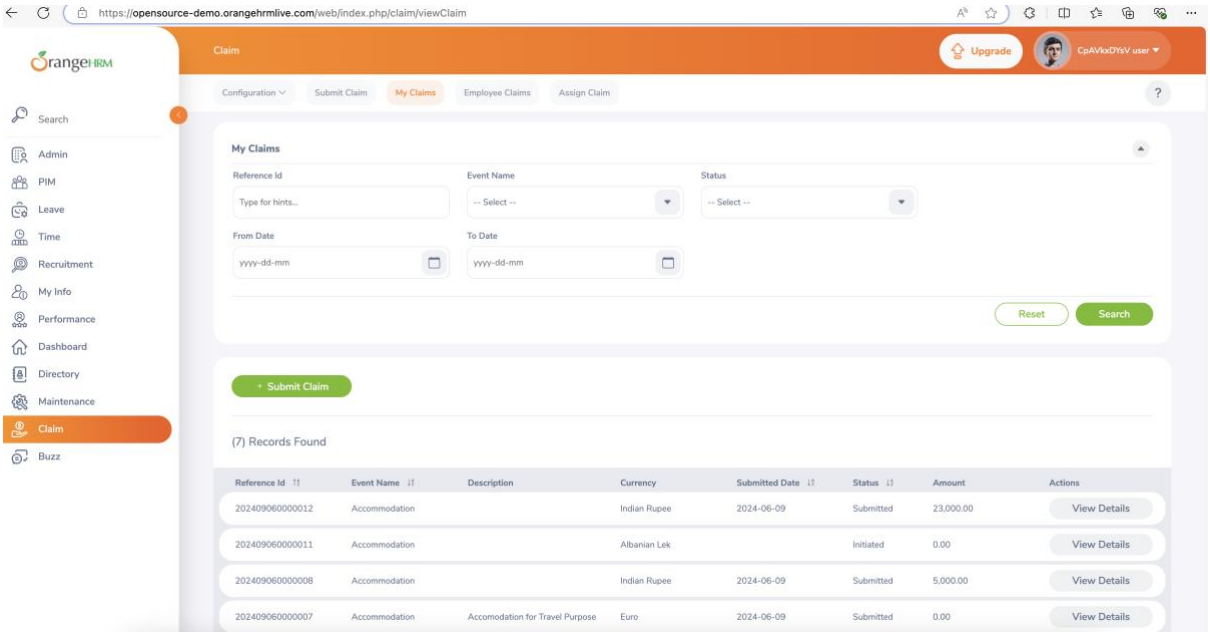
DEVLOPED A DETAILED SPRINT IN AZURE DEVOPS

- Created user stories for testing different components of the claims portal of the HRM website
- Created developer and tester task
- Created test cases
- Reported Bugs

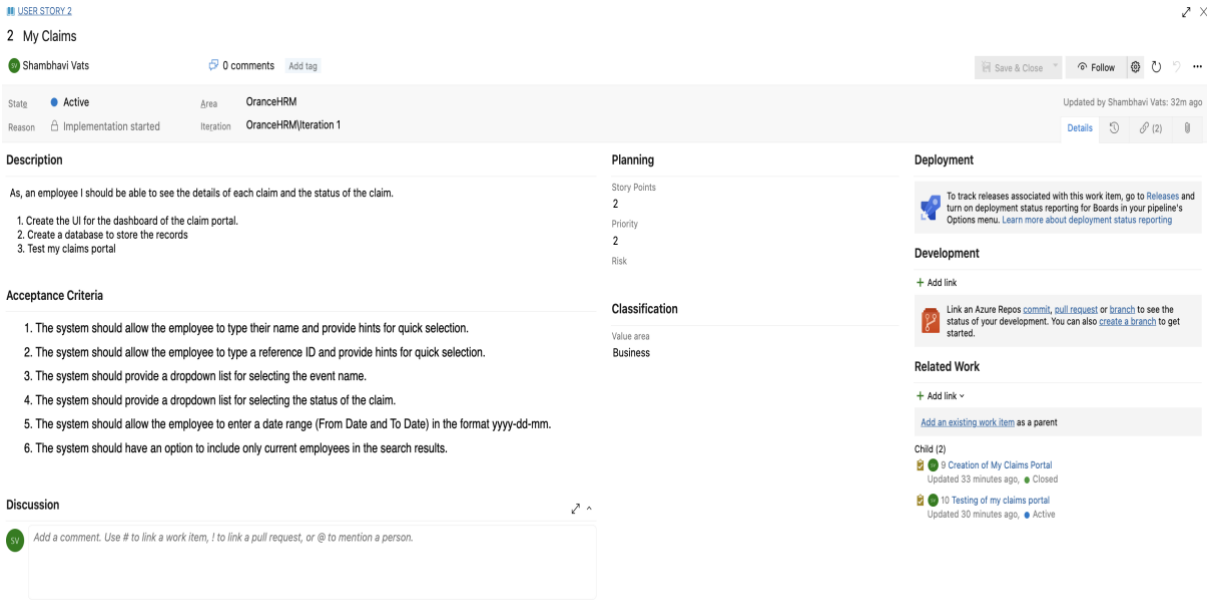
1. Sprint View



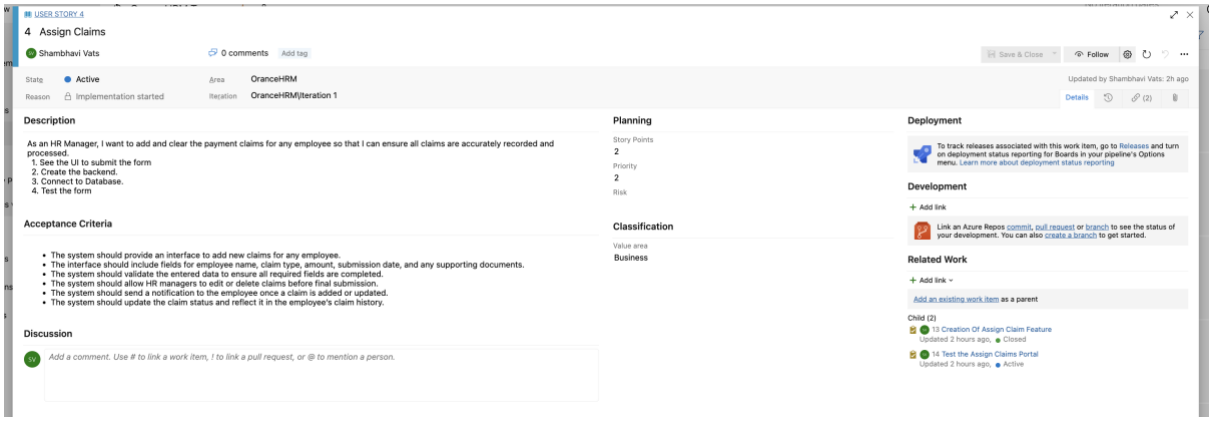
2. THE HRM POTAL



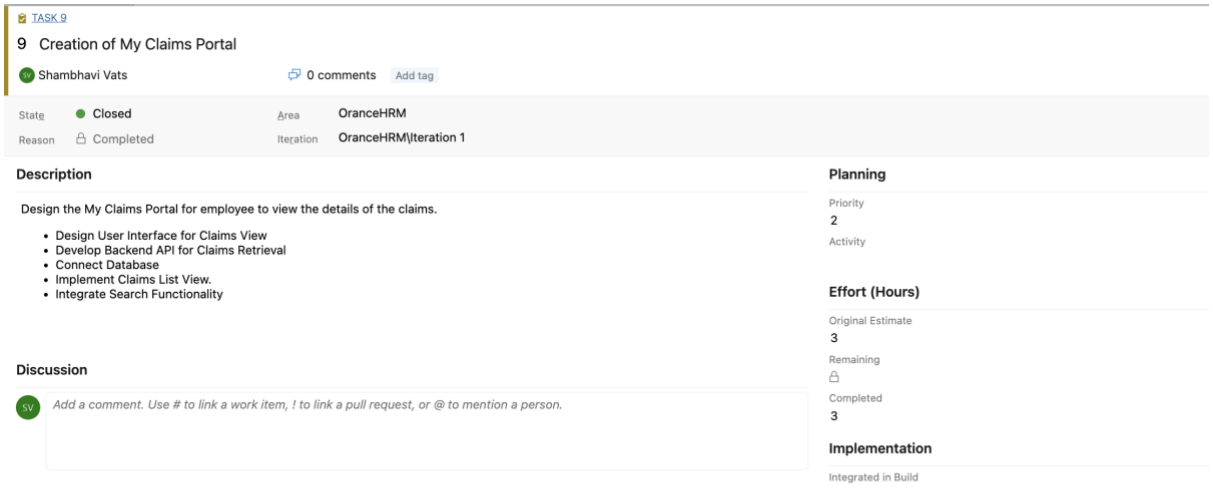
3. USER STORY FOR MY CLAIMS



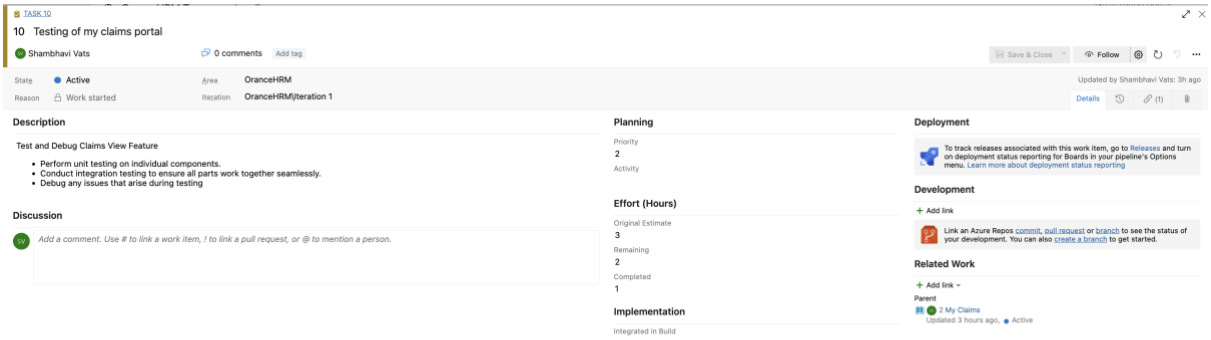
4. USER STORY FOR ASSIGN CLAIMS



5. DEVLOPER TASK FOR MY CLAIMS



6. TESTER TASK FOR MY CLAIMS



7. Test case for my Claims

TEST CASE 8*

8 My claim

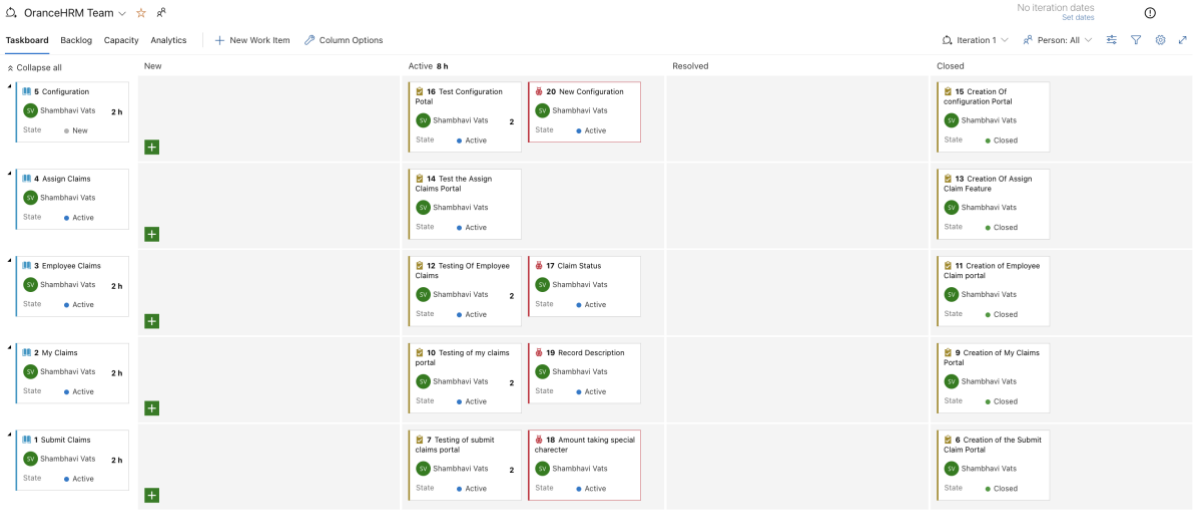
Shambhavi Vats 0 comments Add tag

State Design Area OranceHRM

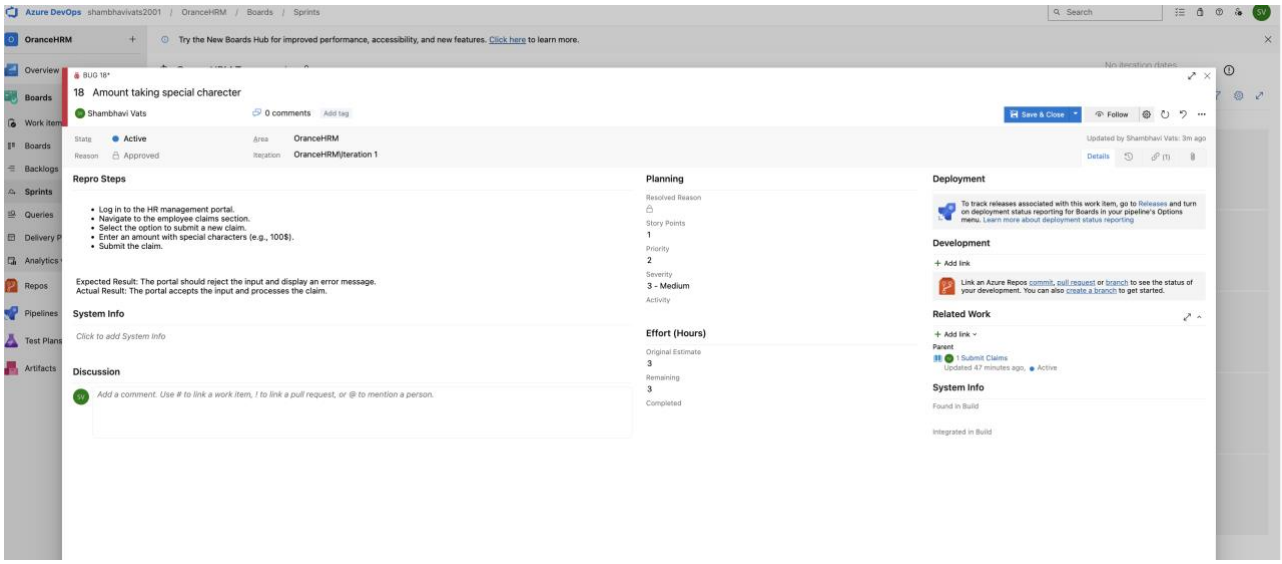
Reason New Iteration OranceHRM\Iteration 1

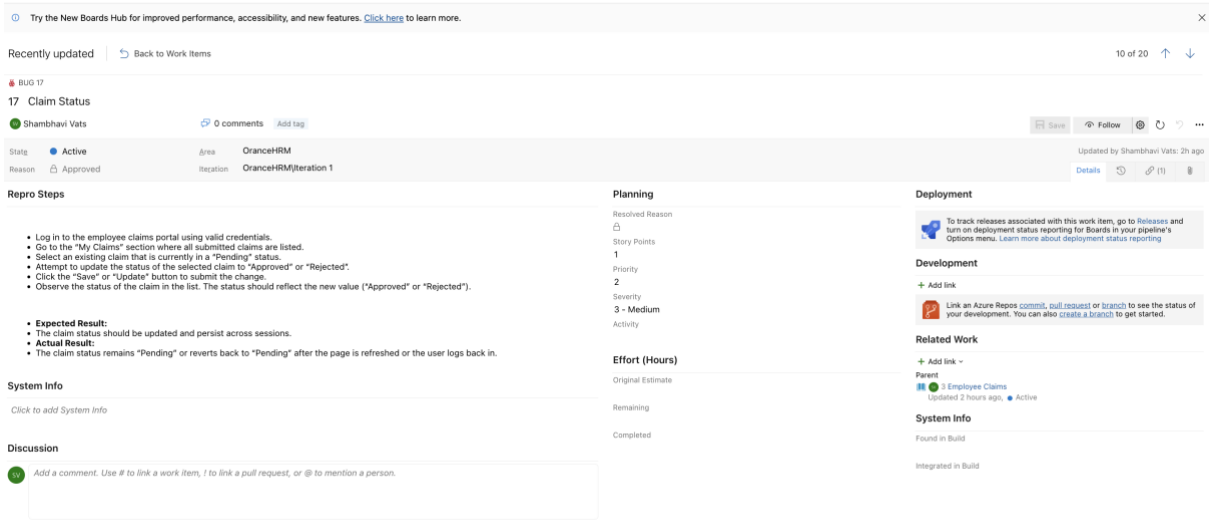
Ste...	Action	Expected result	Attachments
1.	Click on the “Add New Claim” button.	open new page	
2.	Leave **Reference Id** in the corresponding field.	Error message	
3.	Select a **Type** from the dropdown list.	works as expected	
4.	Enter a valid **Event Name** in the corresponding field.	works as expected	
5.	Select a **Status** from the dropdown list.	works as expected	
6.	Enter a valid **From Date** in the format yyyy-dd-mm.	works as expected	
7.	Enter a valid **To Date** in the format yyyy-dd-mm.	works as expected	

8. DEFECT REPORT BUGS

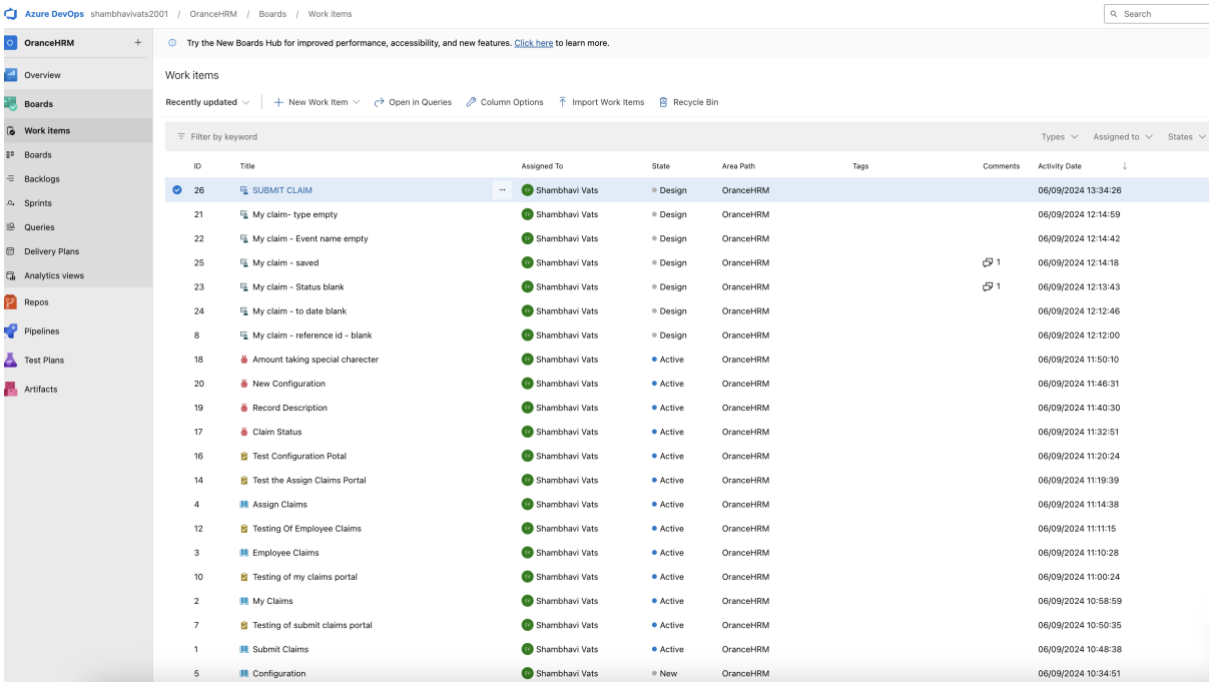


9. Bug Details





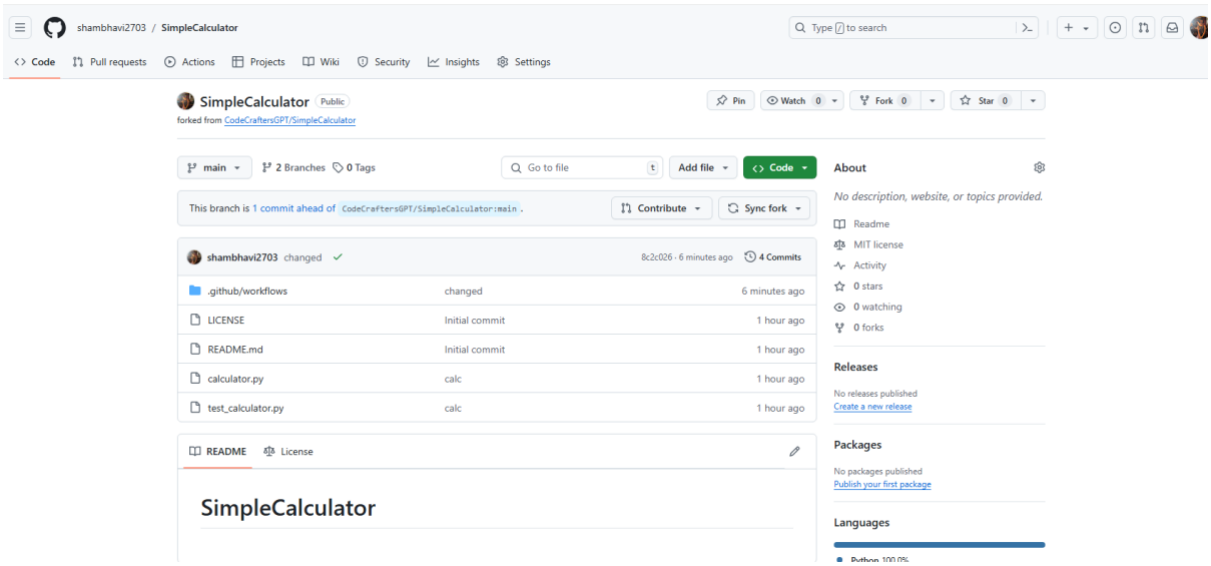
10. Work Items



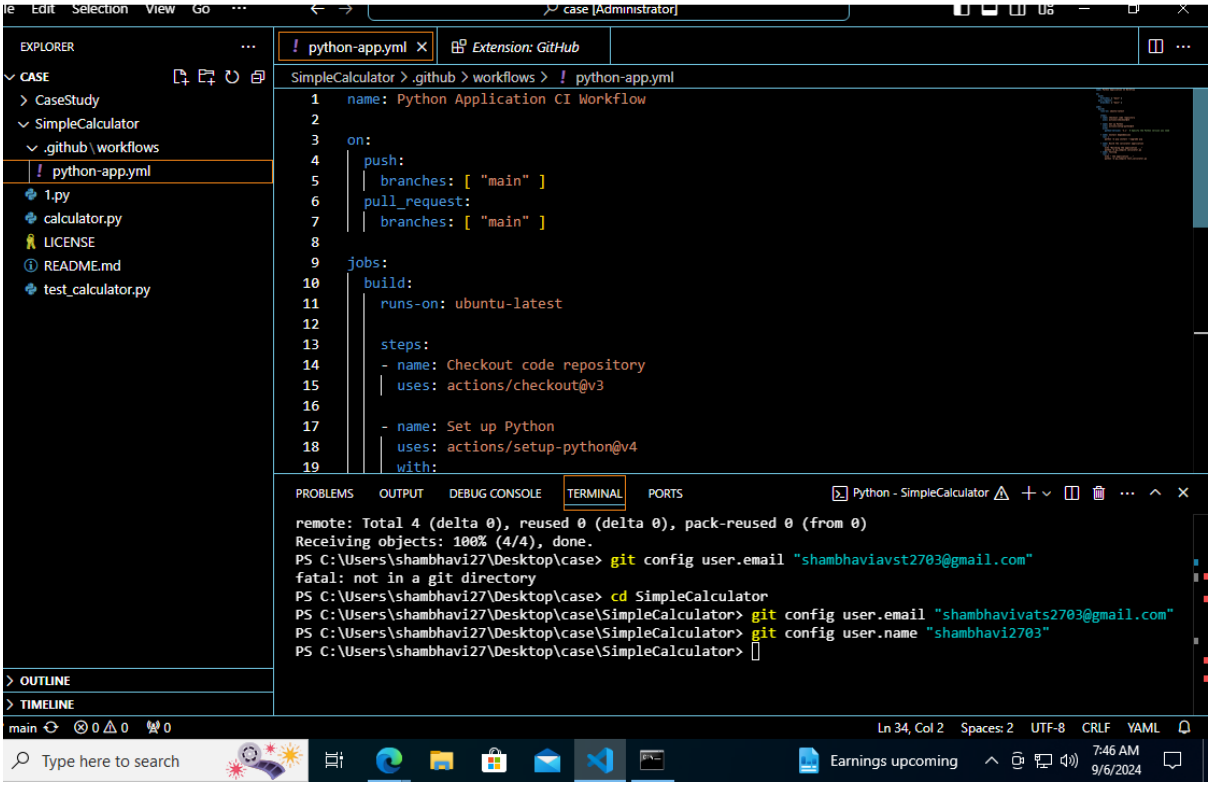
TASK 2 : Implementing the CI/CD Pipeline using GitHub Actions

- Created a simple python application for calculator
- Created Unit test cases
- Deployed using GitHub actions
- Verified and monitored the deployment

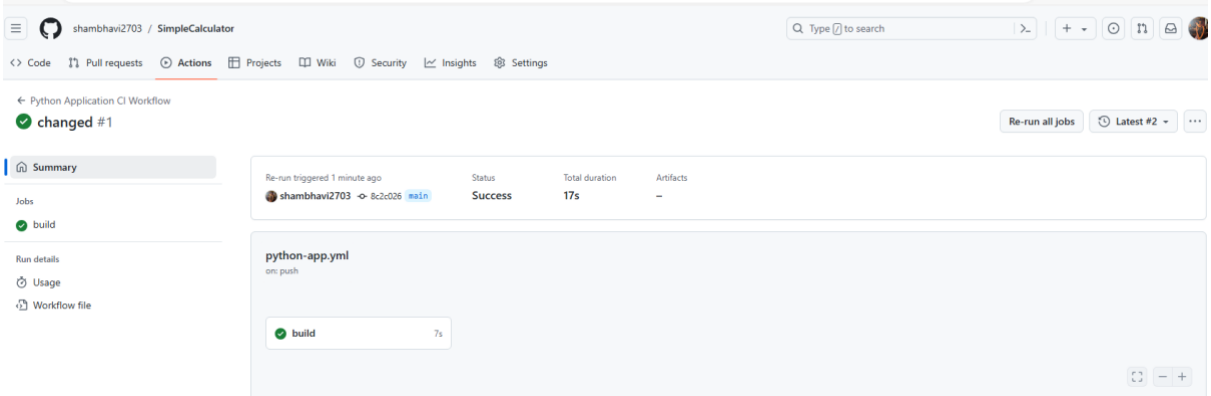
1. GITHUB REPOSITORY

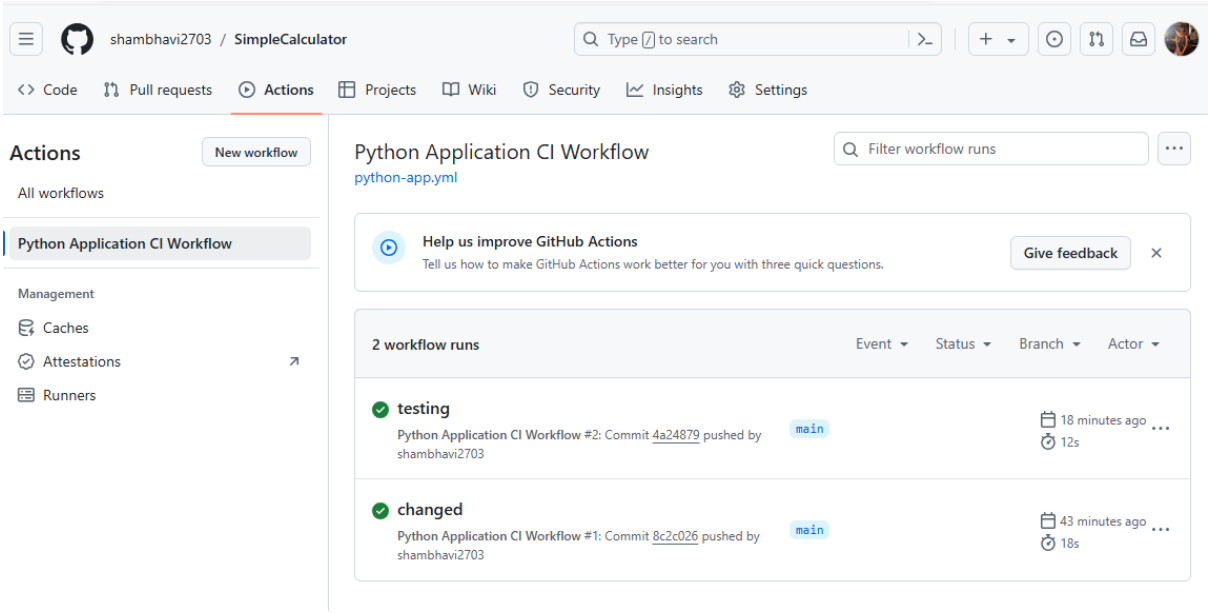


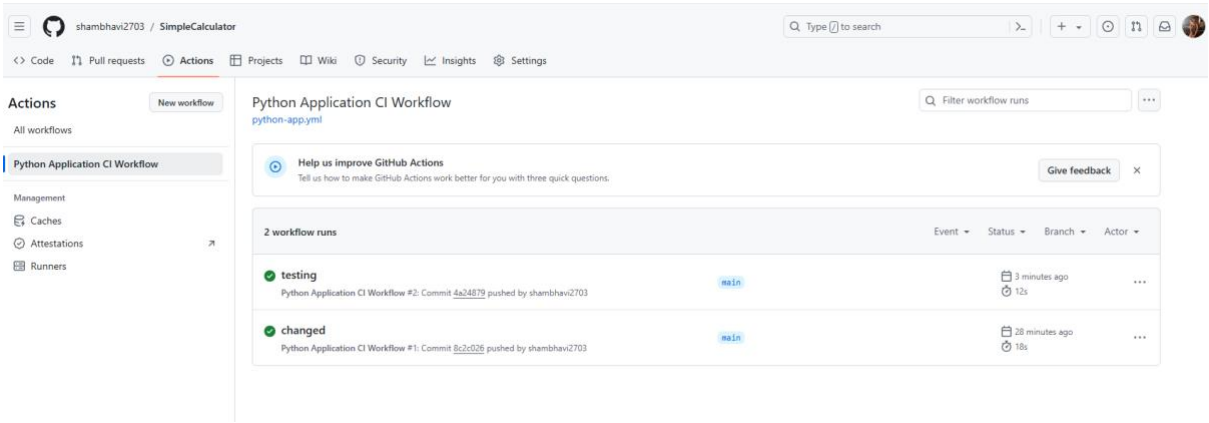
2. VS CODE SCREEN



3. WORKFLOW




shambhavi2703 / SimpleCalculator
Type / to search
Code
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Actions
New workflow
All workflows
Python Application CI Workflow
Management
Caches
Attestations
Runners
Python Application CI Workflow
python-app.yml
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
2 workflow runs
Event
Status
Branch
Actor
testing
Python Application CI Workflow #2: Commit 4a24879 pushed by shambhavi2703
main
18 minutes ago
12s
changed
Python Application CI Workflow #1: Commit 8c2c026 pushed by shambhavi2703
main
43 minutes ago
18s


shambhavi2703 / SimpleCalculator
Type / to search
Code
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Actions
New workflow
All workflows
Python Application CI Workflow
Management
Caches
Attestations
Runners
Python Application CI Workflow
python-app.yml
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
2 workflow runs
Event
Status
Branch
Actor
testing
Python Application CI Workflow #2: Commit 4a24879 pushed by shambhavi2703
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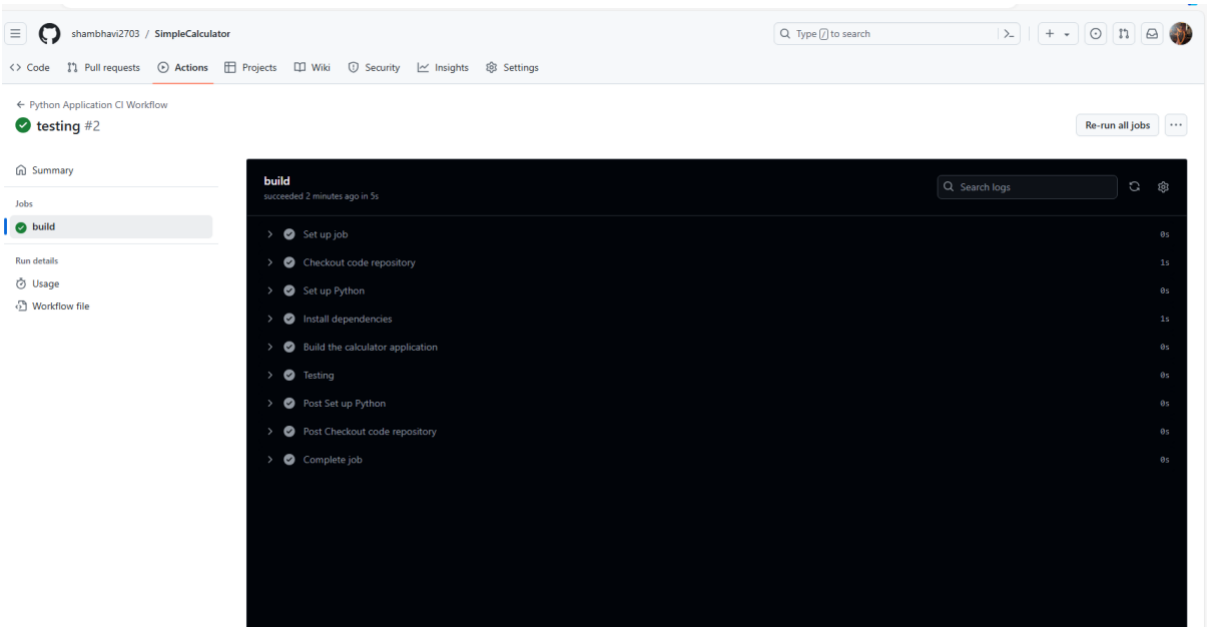
3 minutes ago
12s
changed
Python Application CI Workflow #1: Commit 8c2c026 pushed by shambhavi2703
main
28 minutes ago
18s

4. MONITORING THE WORKFLOW