

# NOV PROJECT-GROUP G

The screenshot shows a GitHub Actions workflow YAML file. The code is as follows:

```
name: CI/CD with Docker and AWS EC2
on:
  push:
    branches:
      - main
jobs:
  deploy:
    runs-on: ubuntu-latest
    steps:
      - name: Checkout code
        uses: actions/checkout@v4
      - name: Login to Docker Hub
        run:
          echo "${{ secrets.DOCKER_PASSWORD }}" | docker login -u "${{ secrets.DOCKER_USERNAME }}" --password-stdin
      - name: Build Docker image
        run:
          docker build -t ${{ secrets.DOCKER_USERNAME }}//groupg-python-app .
      - name: Push Docker image
        run:
          docker push ${{ secrets.DOCKER_USERNAME }}//groupg-python-app
      - name: Deploy to EC2
        uses: appleboy/ssh-action@v1.0.0
        with:
          host: ${{ secrets.EC2_HOST }}
          username: ${{ secrets.EC2_USER }}
          key: ${{ secrets.EC2_KEY }}
          script: |
            docker pull ${{ secrets.DOCKER_USERNAME }}//groupg-python-app
            docker stop app || true
            docker rm app || true
            docker run -d -p 8080:8000 --name app ${{ secrets.DOCKER_USERNAME }}//groupg-python-app

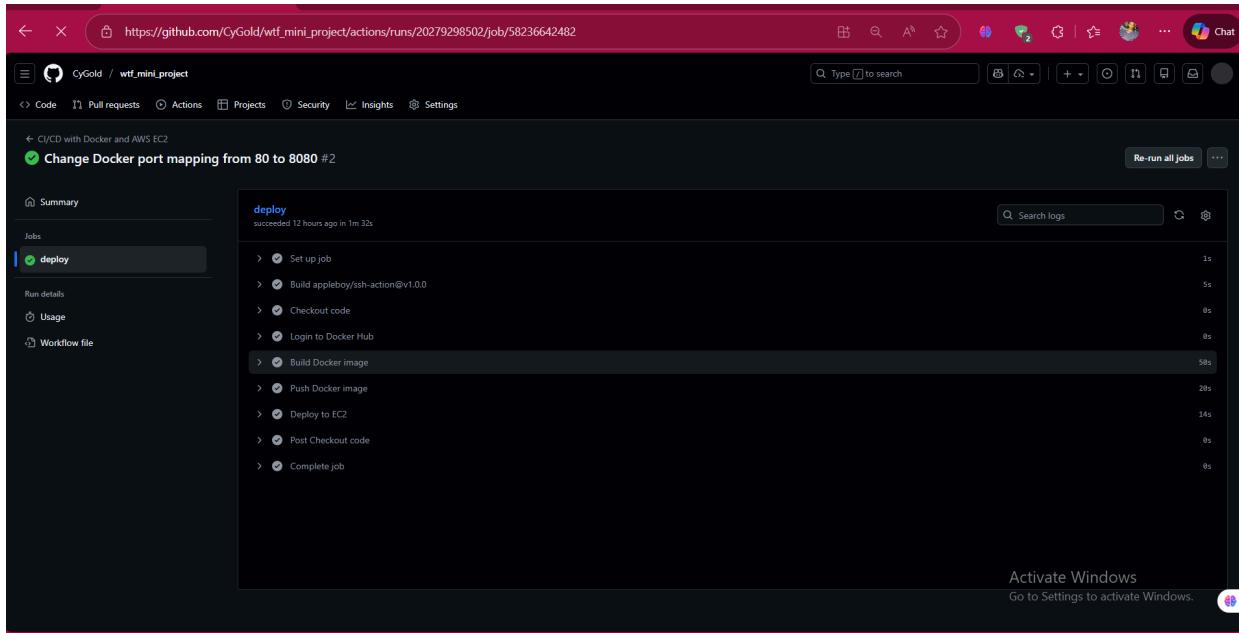
```

Img1.0 GITHUB ACTIONS WORKFLOW YAML

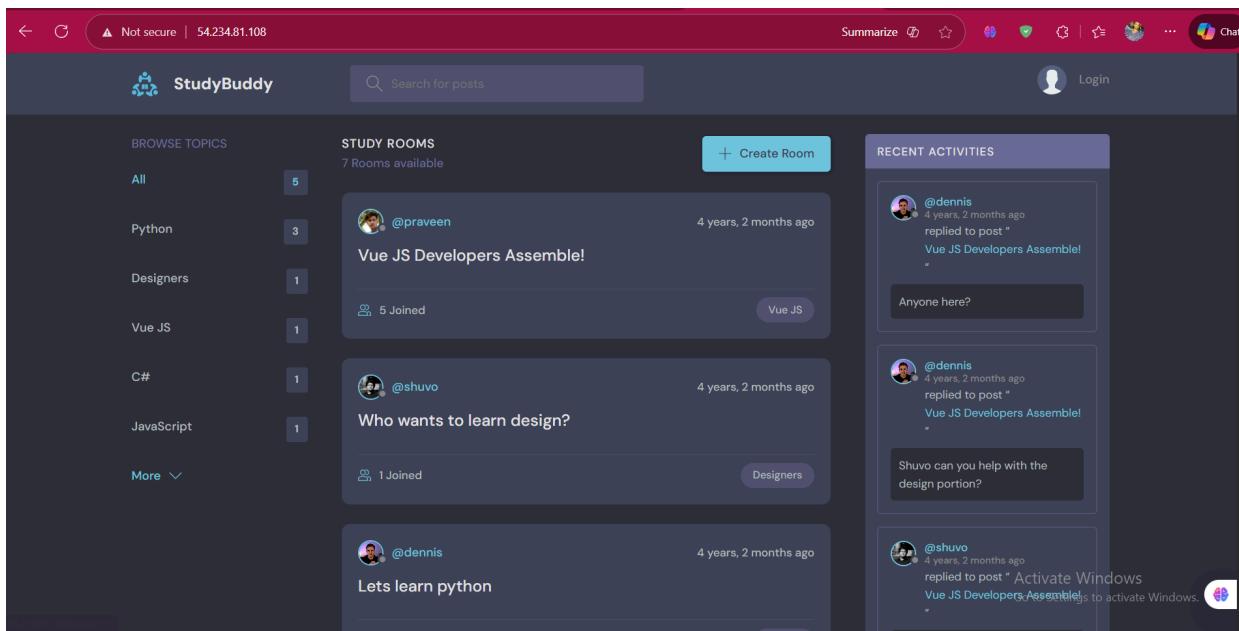
The screenshot shows the GitHub Actions page for the 'wtf\_mini\_project' repository. The 'Actions' tab is selected. On the left, there's a sidebar with 'Actions' and 'All workflows'. The main area shows 'All workflow runs' with three entries:

- Update ALLOWED HOSTS for production settings**: Status: In Progress, Started Dec 16, 8:02 PM GMT+1, Duration: 1m 26s.
- Change Docker port mapping from 80 to 8080**: Status: In Progress, Started Dec 16, 7:56 PM GMT+1, Duration: 1m 35s.
- Recreate deploy.yaml for CI/CD with Docker and AWS EC2**: Status: Failed, Started Dec 16, 7:44 PM GMT+1, Duration: 1m 22s.

IMG 2.0 ALL WORKFLOW DONE



**IMG3.0 SUCCESSFUL WORKFLOW FOR CI/CD PIPELINE FOR AWS EC2, DOCKER AND DOCKER HUB**



**IMG4.0 STUDY BUDDY APPLICATION DEPLOYED**

App Endpoint: <http://54.234.81.108:8080/>

EC2 Host: 54.234.81.108

Github Repository: [CyGold/wtf\\_mini\\_project](https://github.com/CyGold/wtf_mini_project): This repository holds our November mini-project

#### PARTICIPANTS

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