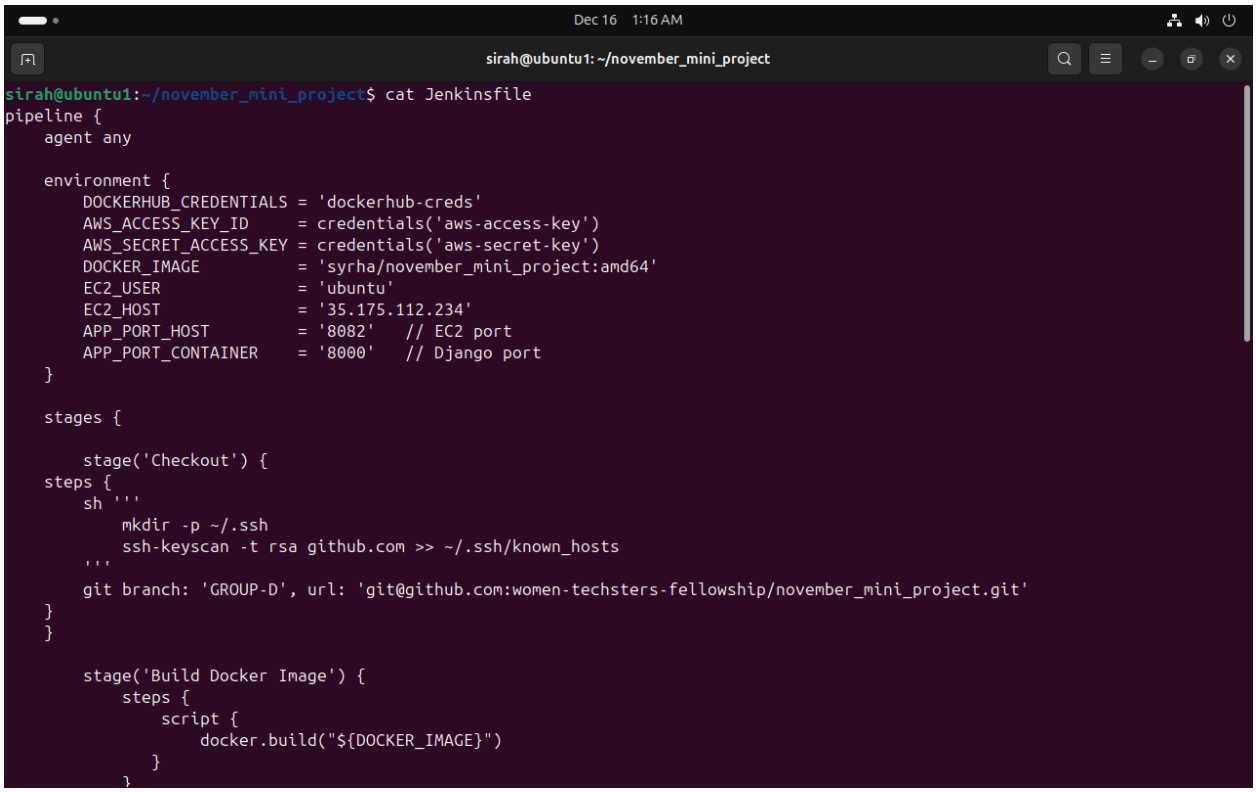
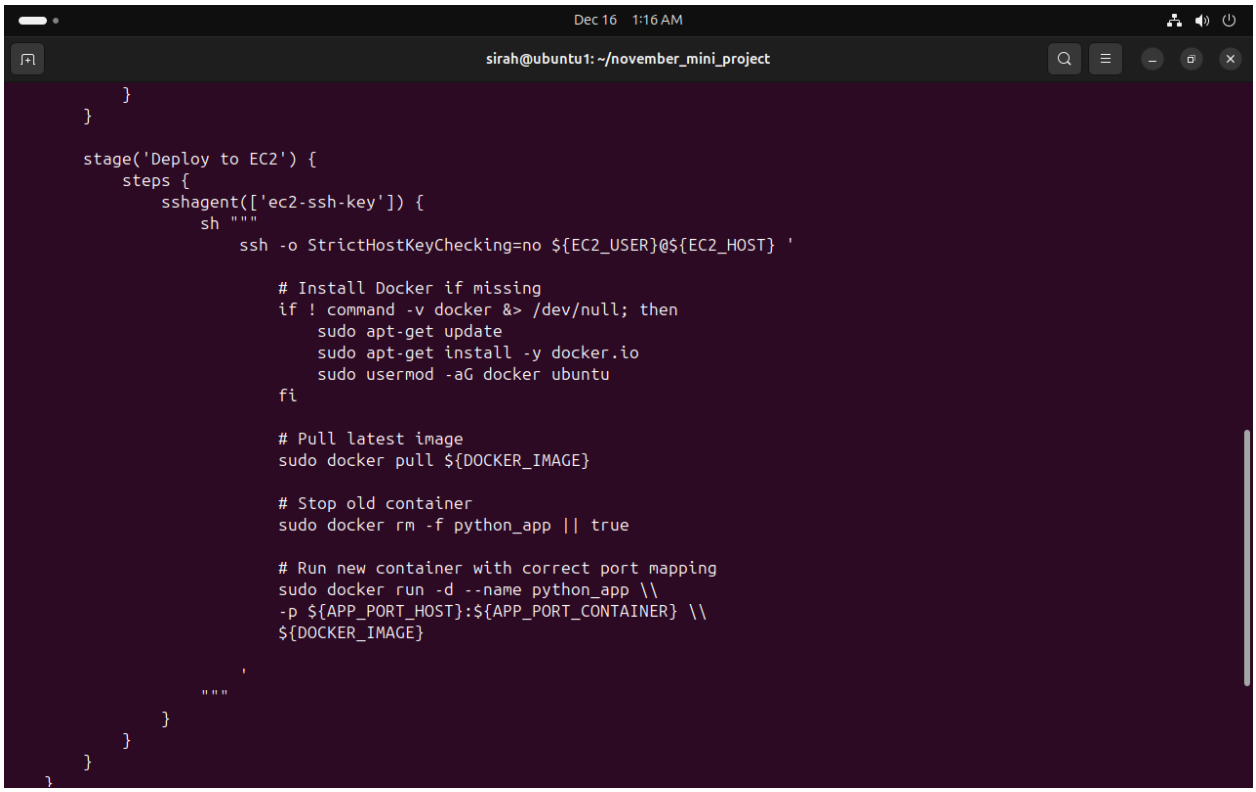
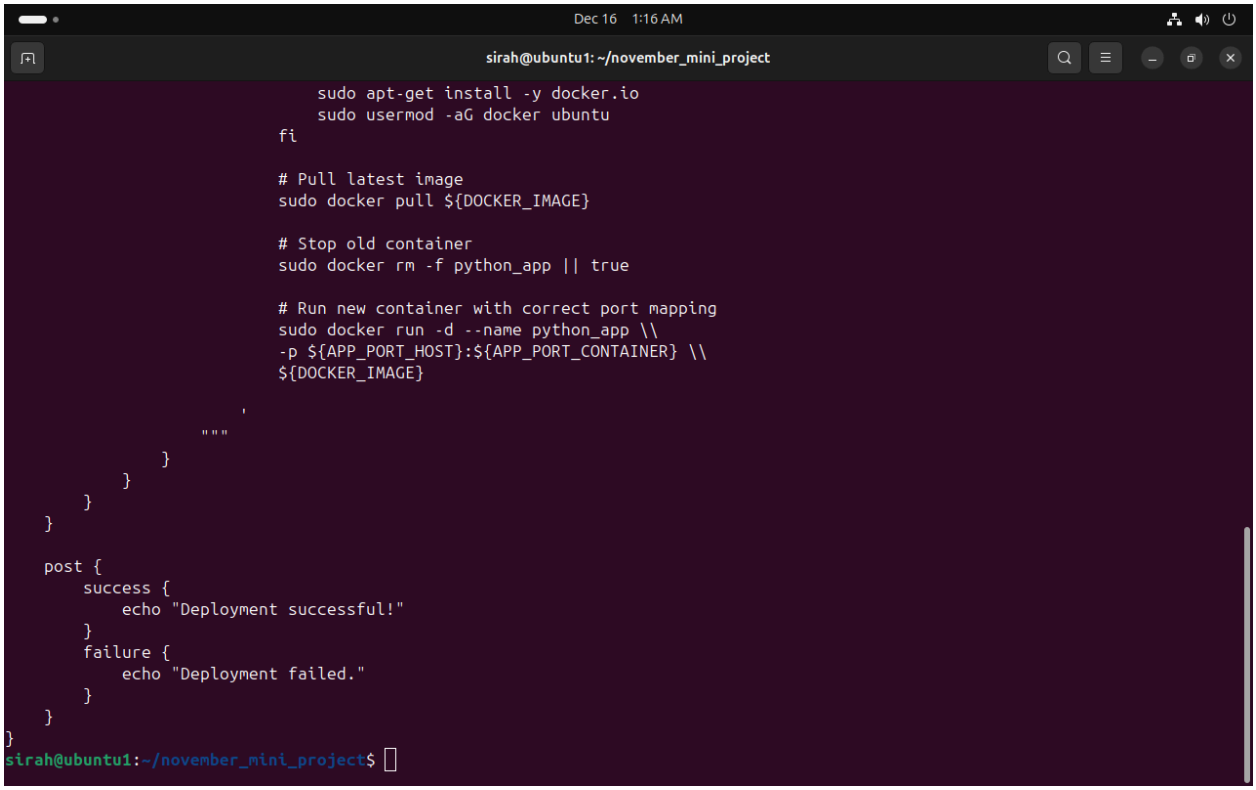
SCREENSHOT OF YOUR JENKINSFILE

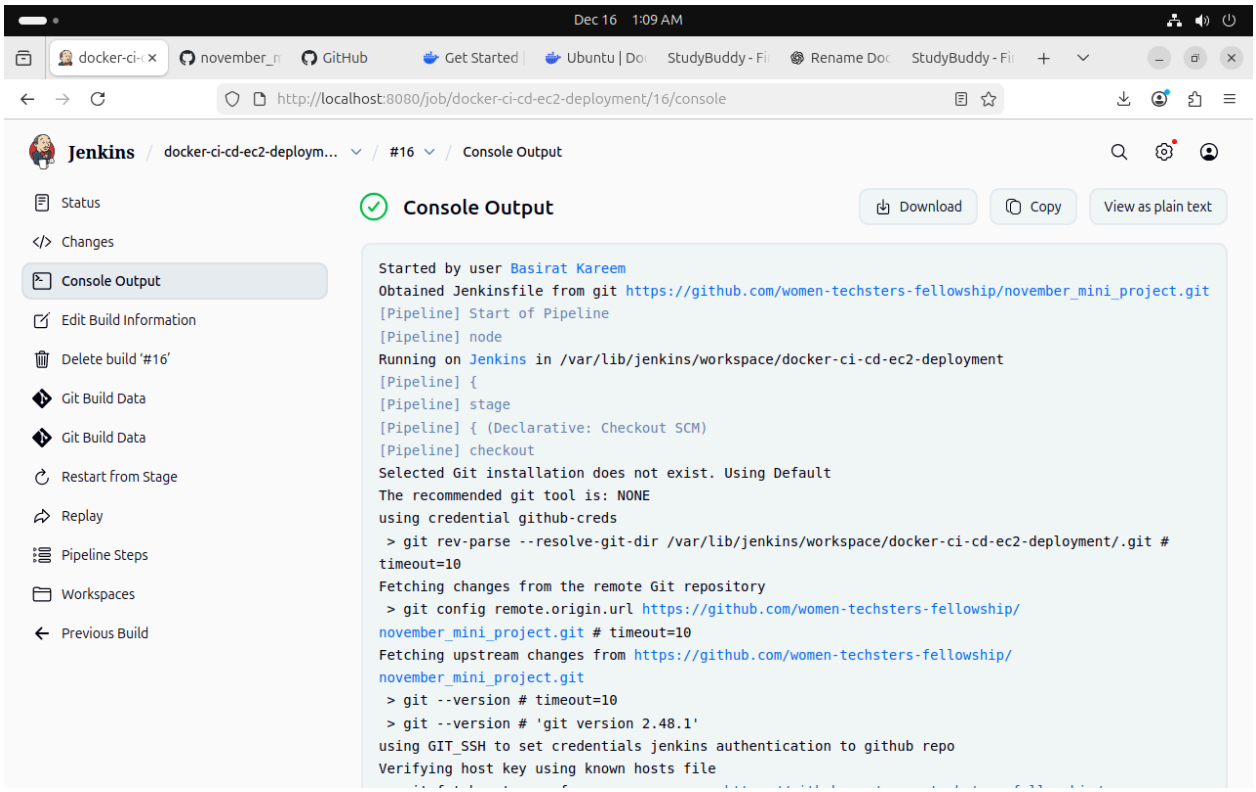


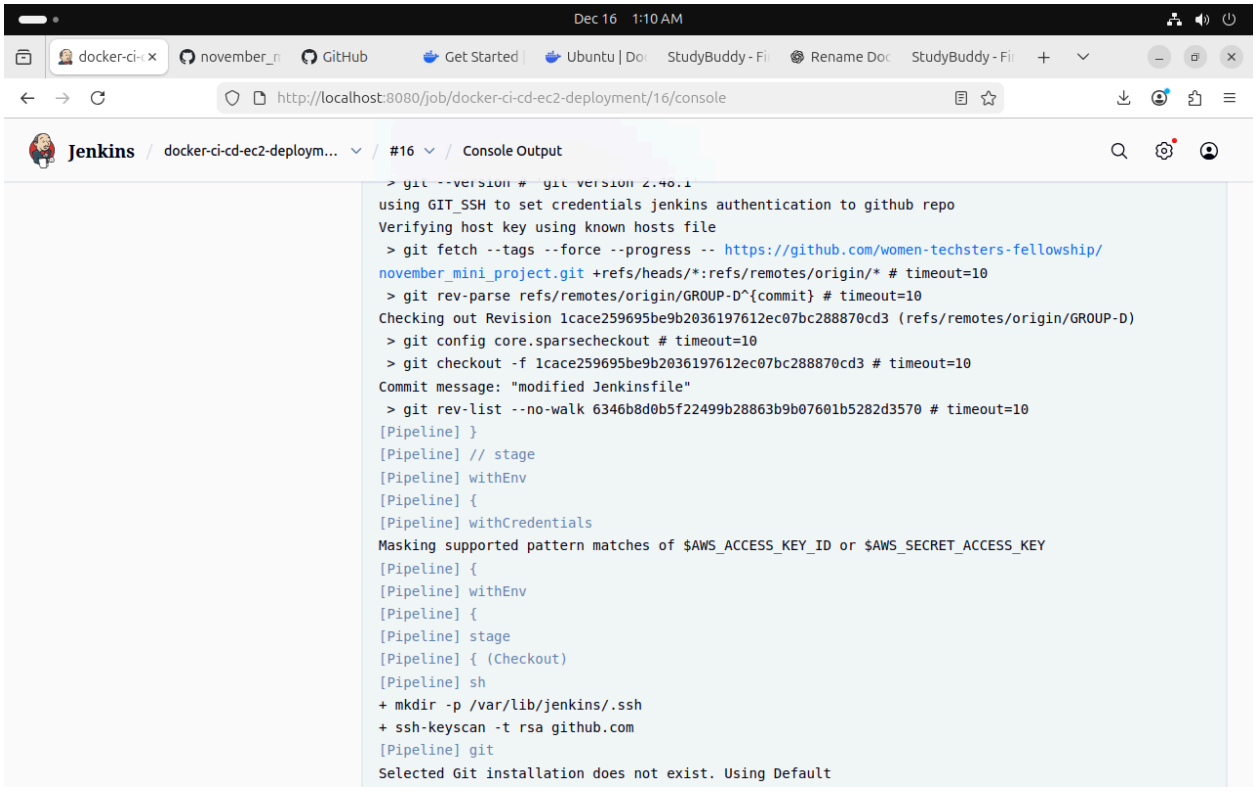
Dec 16 1:16 AM
sirah@ubuntu1: ~/november_mini_project
stage('Checkout') {
steps {
sh '''
mkdir -p ~/.ssh
ssh-keyscan -t rsa github.com >> ~/.ssh/known_hosts
'''
git branch: 'GROUP-D', url: 'git@github.com:women-techsters-fellowship/november_mini_project.git'
}
}
stage('Build Docker Image') {
steps {
script {
docker.build("${DOCKER_IMAGE}")
}
}
}
stage('Push to Docker Hub') {
steps {
script {
docker.withRegistry('https://index.docker.io/v1/', "dockerhub-creds") {
docker.image("${DOCKER_IMAGE}").push()
}
}
}
}
stage('Deploy to EC2') {
steps {
sshagent(['ec2-ssh-key']) {

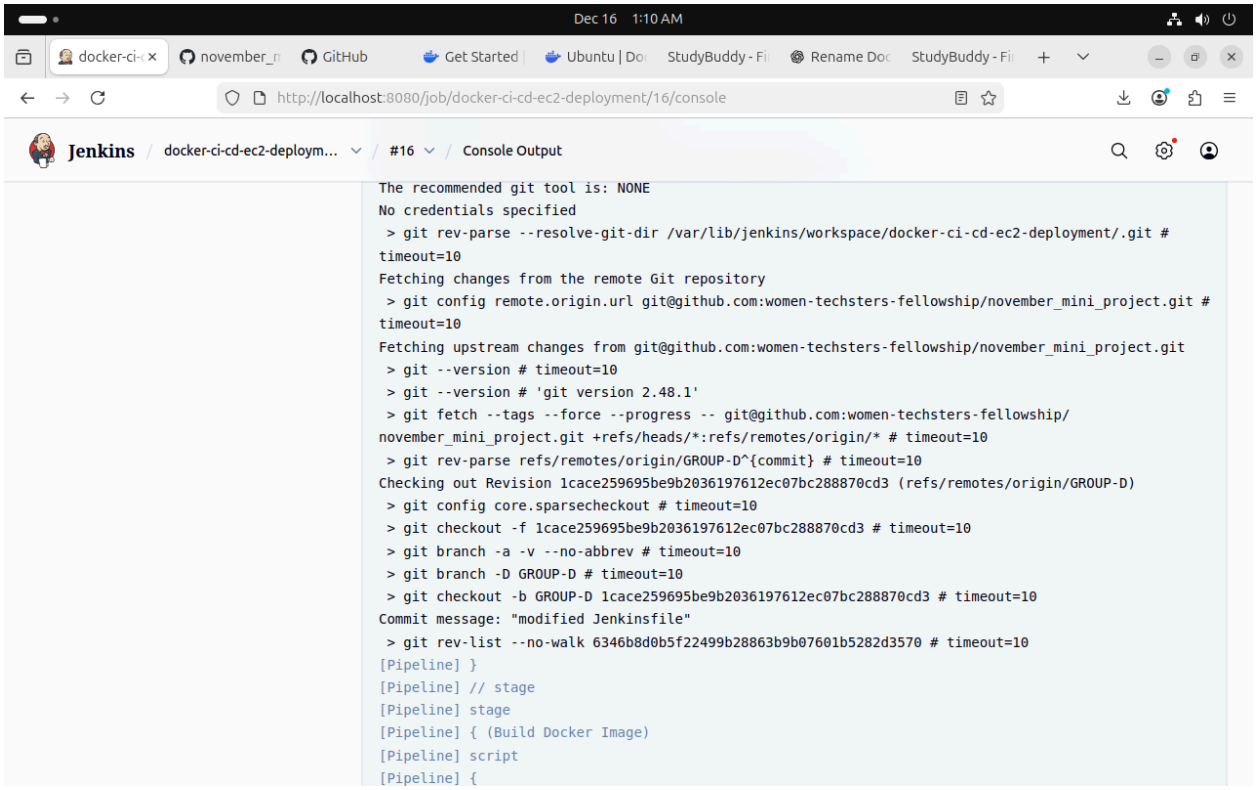

Dec 16 1:16 AM
sirah@ubuntu1: ~/november_mini_project
}
}
stage('Deploy to EC2') {
steps {
sshagent(['ec2-ssh-key']) {
sh """
ssh -o StrictHostKeyChecking=no ${EC2_USER}@${EC2_HOST} '
# Install Docker if missing
if ! command -v docker &> /dev/null; then
sudo apt-get update
sudo apt-get install -y docker.io
sudo usermod -aG docker ubuntu
fi
# Pull latest image
sudo docker pull ${DOCKER_IMAGE}
# Stop old container
sudo docker rm -f python_app || true
# Run new container with correct port mapping
sudo docker run -d --name python_app \\
-p ${APP_PORT_HOST}:${APP_PORT_CONTAINER} \\
${DOCKER_IMAGE}
'
"""
}
}
}
}

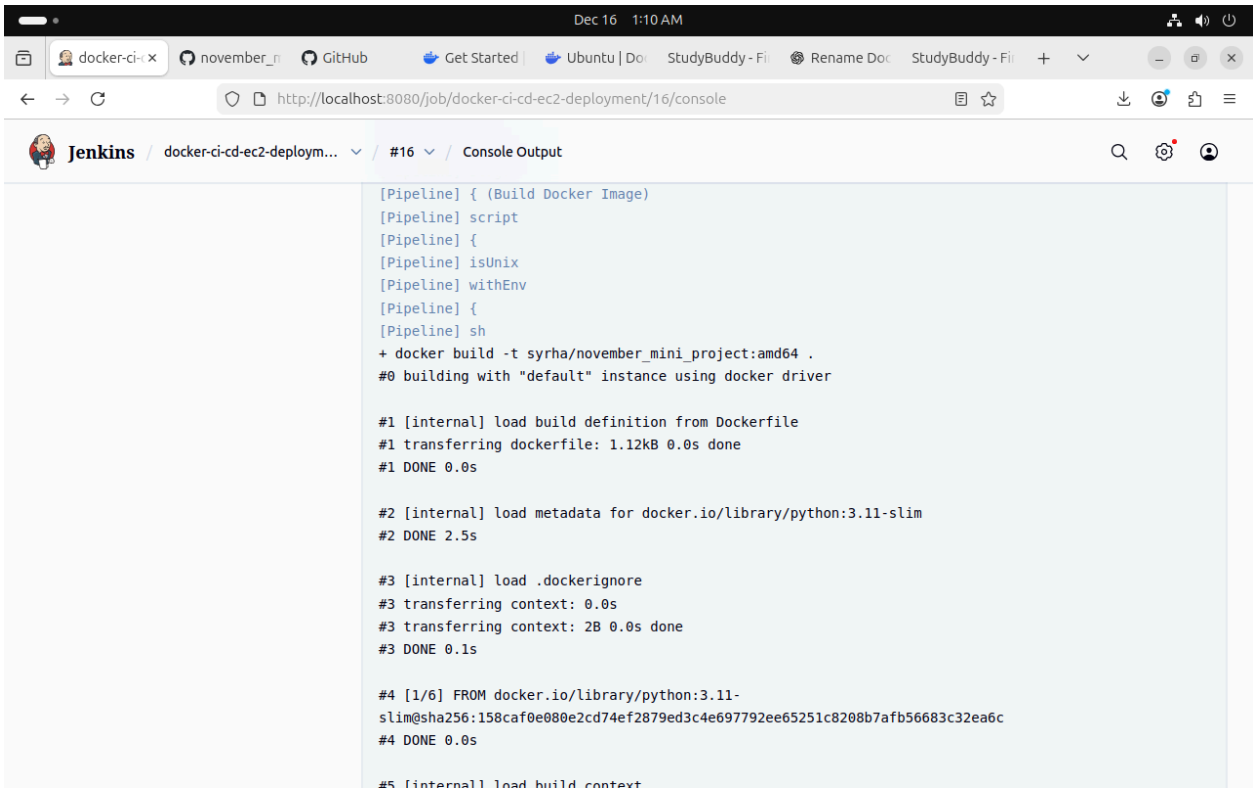

Dec 16 1:16 AM
sirah@ubuntu1: ~/november_mini_project
sudo apt-get install -y docker.io
sudo usermod -aG docker ubuntu
fi
# Pull latest image
sudo docker pull ${DOCKER_IMAGE}
# Stop old container
sudo docker rm -f python_app || true
# Run new container with correct port mapping
sudo docker run -d --name python_app \\
-p ${APP_PORT_HOST}:${APP_PORT_CONTAINER} \\
${DOCKER_IMAGE}
'
"""
}
}
}
}
post {
success {
echo "Deployment successful!"
}
failure {
echo "Deployment failed."
}
}
}
sirah@ubuntu1:~/november_mini_project$

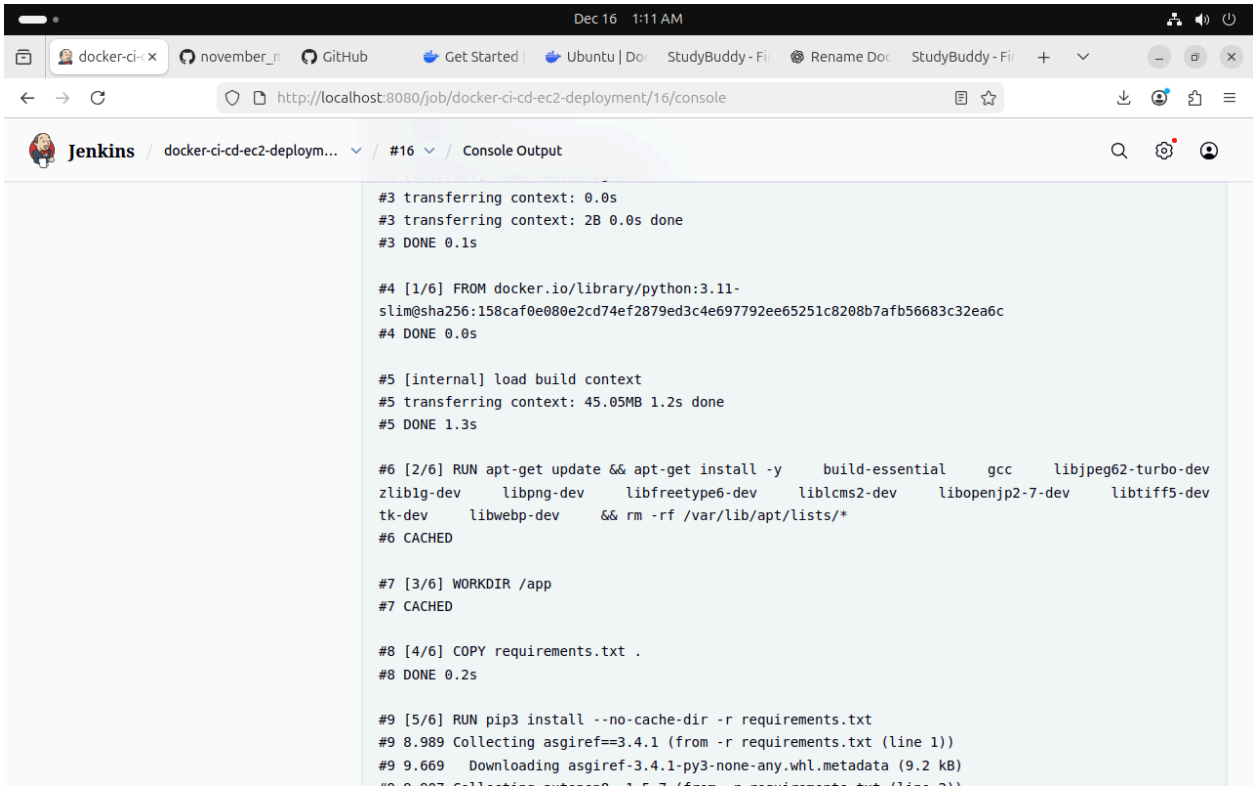
SCREENSHOT OF JENKINS JOB OUTPUT

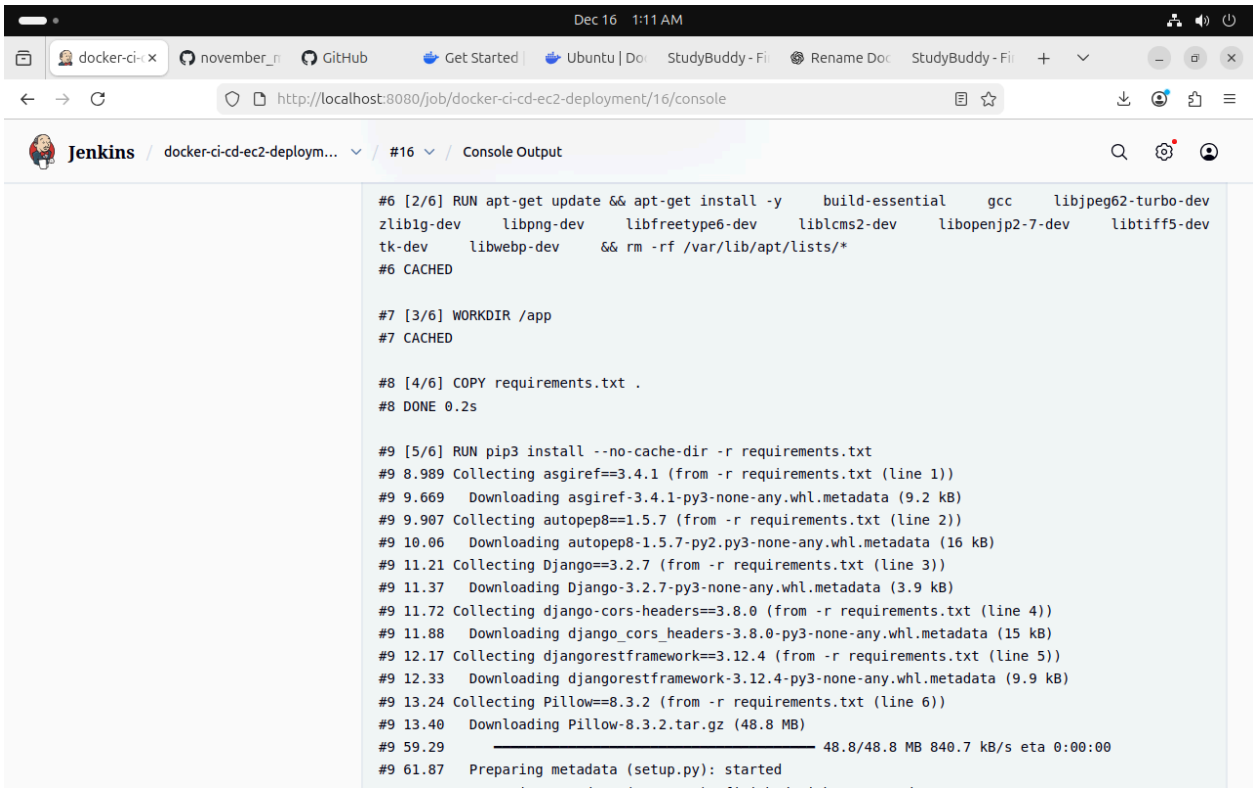


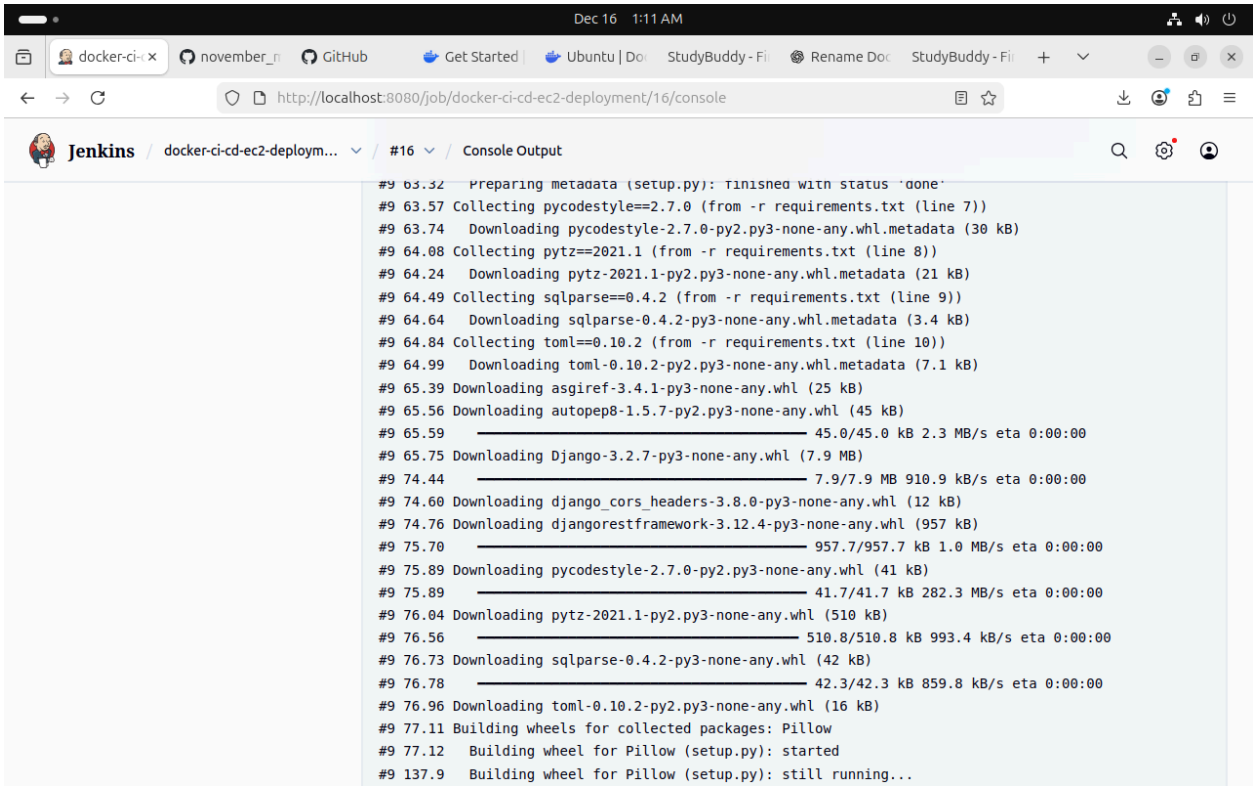


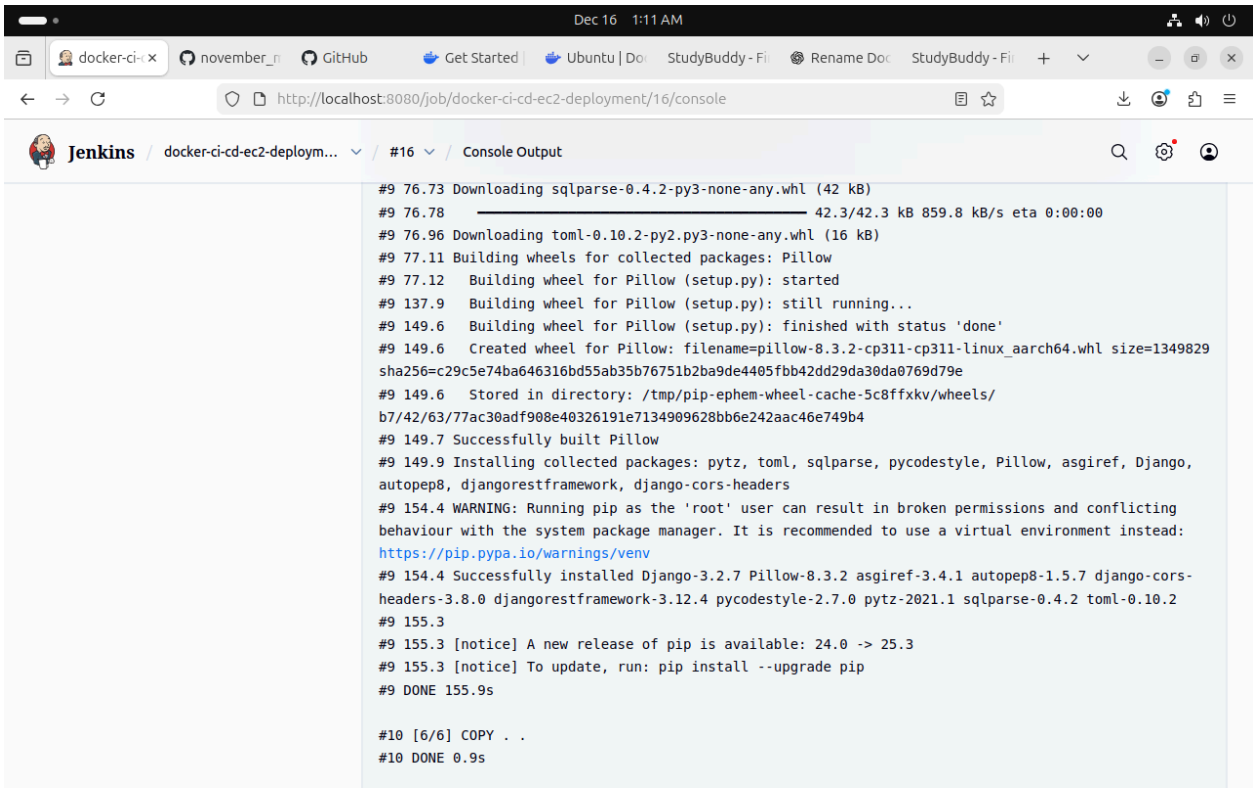

Dec 16 1:10 AM
http://localhost:8080/job/docker-ci-cd-ec2-deployment/16/console
Jenkins
docker-ci-cd-ec2-deploym...
#16
Console Output
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/docker-ci-cd-ec2-deployment/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url git@github.com:women-techsters-fellowship/november_mini_project.git # timeout=10
Fetching upstream changes from git@github.com:women-techsters-fellowship/november_mini_project.git
> git --version # timeout=10
> git --version # 'git version 2.48.1'
> git fetch --tags --force --progress -- git@github.com:women-techsters-fellowship/november_mini_project.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/GROUP-D^{commit} # timeout=10
Checking out Revision 1cace259695be9b2036197612ec07bc288870cd3 (refs/remotes/origin/GROUP-D)
> git config core.sparsecheckout # timeout=10
> git checkout -f 1cace259695be9b2036197612ec07bc288870cd3 # timeout=10
> git branch -a -v --no-abbrev # timeout=10
> git branch -D GROUP-D # timeout=10
> git checkout -b GROUP-D 1cace259695be9b2036197612ec07bc288870cd3 # timeout=10
Commit message: "modified Jenkinsfile"
> git rev-list --no-walk 6346b8d0b5f22499b28863b9b07601b5282d3570 # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build Docker Image)
[Pipeline] script
[Pipeline] {

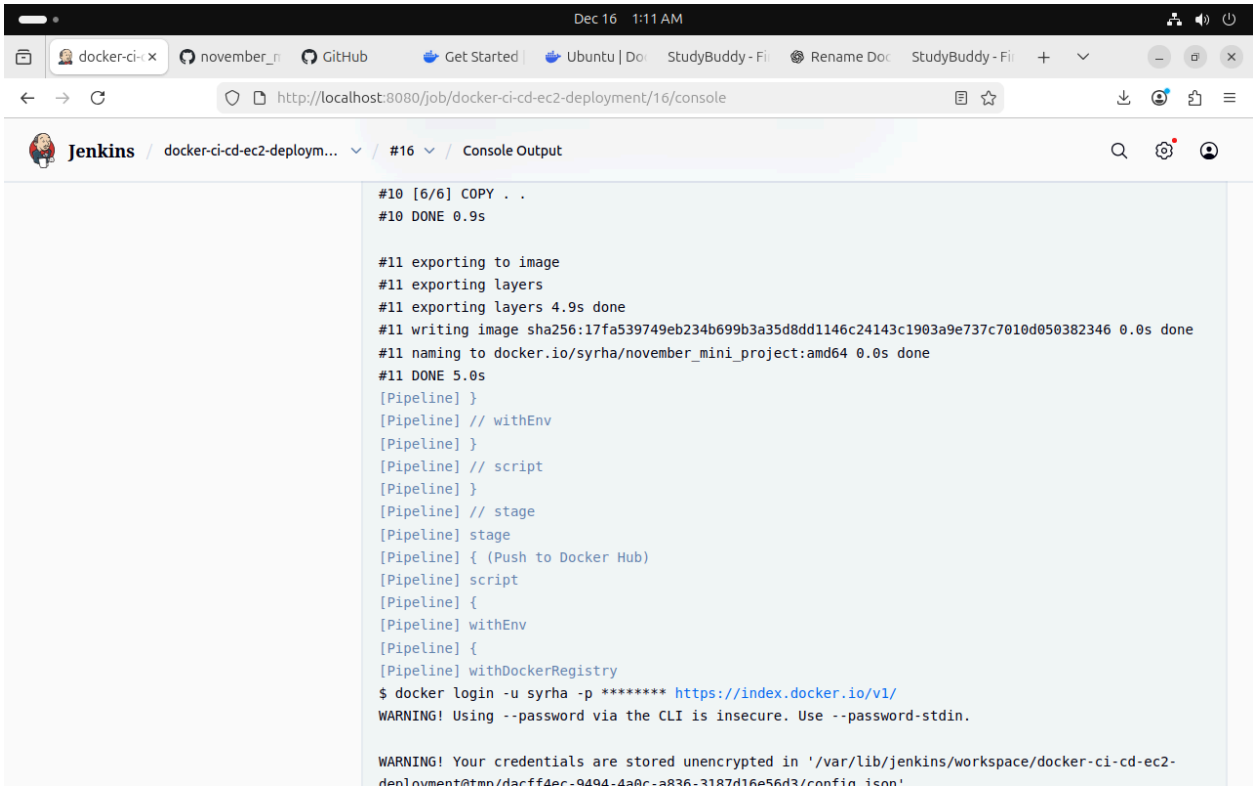

Dec 16 1:10 AM
http://localhost:8080/job/docker-ci-cd-ec2-deployment/16/console
Jenkins
docker-ci-cd-ec2-deploym...
#16
Console Output
[Pipeline] { (Build Docker Image)
[Pipeline] script
[Pipeline] {
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker build -t syrha/november_mini_project:amd64 .
#0 building with "default" instance using docker driver
#1 [internal] load build definition from Dockerfile
#1 transferring dockerfile: 1.12kB 0.0s done
#1 DONE 0.0s
#2 [internal] load metadata for docker.io/library/python:3.11-slim
#2 DONE 2.5s
#3 [internal] load .dockerignore
#3 transferring context: 0.0s
#3 transferring context: 2B 0.0s done
#3 DONE 0.1s
#4 [1/6] FROM docker.io/library/python:3.11-slim@sha256:158caf0e080e2cd74ef2879ed3c4e697792ee65251c8208b7afb56683c32ea6c
#4 DONE 0.0s
#5 [internal] load build context

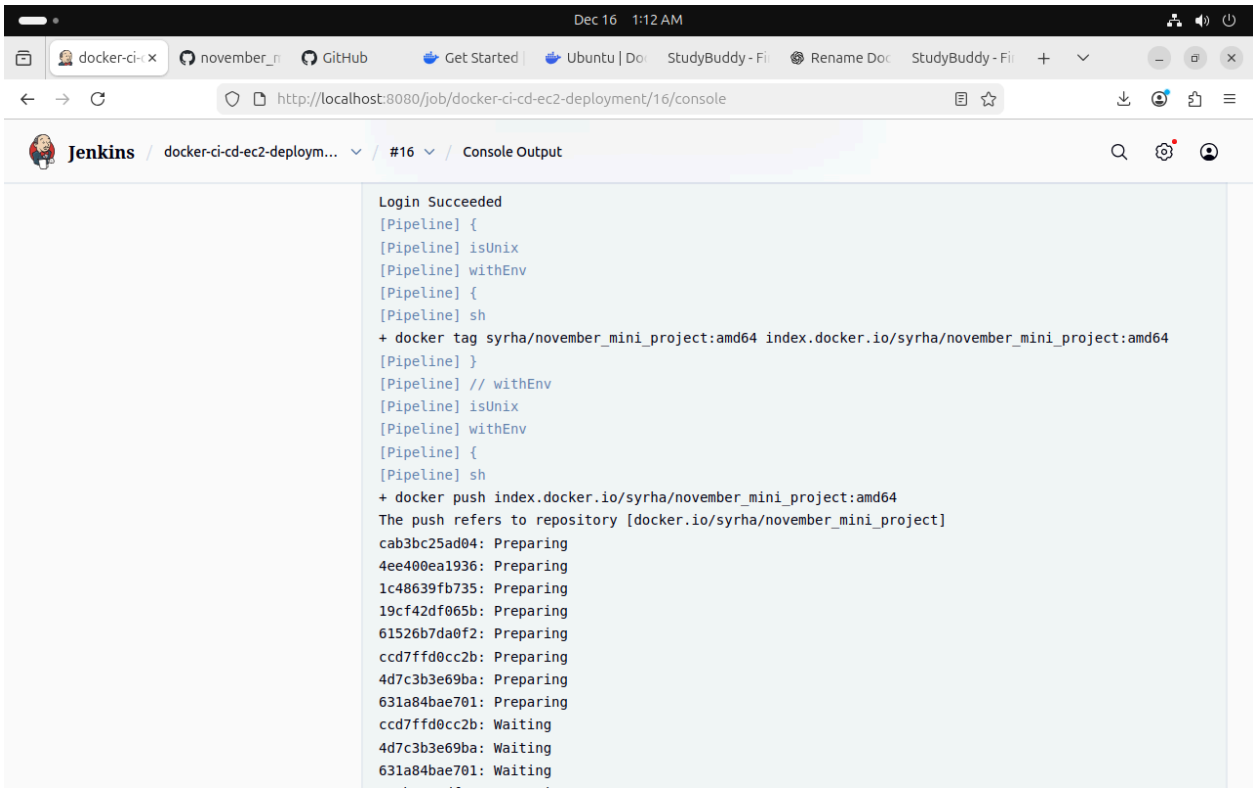

Dec 16 1:11 AM
http://localhost:8080/job/docker-ci-cd-ec2-deployment/16/console
Jenkins / docker-ci-cd-ec2-deploym... / #16 / Console Output
#3 transferring context: 0.0s
#3 transferring context: 2B 0.0s done
#3 DONE 0.1s
#4 [1/6] FROM docker.io/library/python:3.11-slim@sha256:158caf0e080e2cd74ef2879ed3c4e697792ee65251c8208b7afb56683c32ea6c
#4 DONE 0.0s
#5 [internal] load build context
#5 transferring context: 45.05MB 1.2s done
#5 DONE 1.3s
#6 [2/6] RUN apt-get update && apt-get install -y build-essential gcc libjpeg62-turbo-dev zlib1g-dev libpng-dev libfreetype6-dev liblcms2-dev libopenjp2-7-dev libtiff5-dev tk-dev libwebp-dev && rm -rf /var/lib/apt/lists/*
#6 CACHED
#7 [3/6] WORKDIR /app
#7 CACHED
#8 [4/6] COPY requirements.txt .
#8 DONE 0.2s
#9 [5/6] RUN pip3 install --no-cache-dir -r requirements.txt
#9 8.989 Collecting asgiref==3.4.1 (from -r requirements.txt (line 1))
#9 9.669 Downloading asgiref-3.4.1-py3-none-any.whl.metadata (9.2 kB)

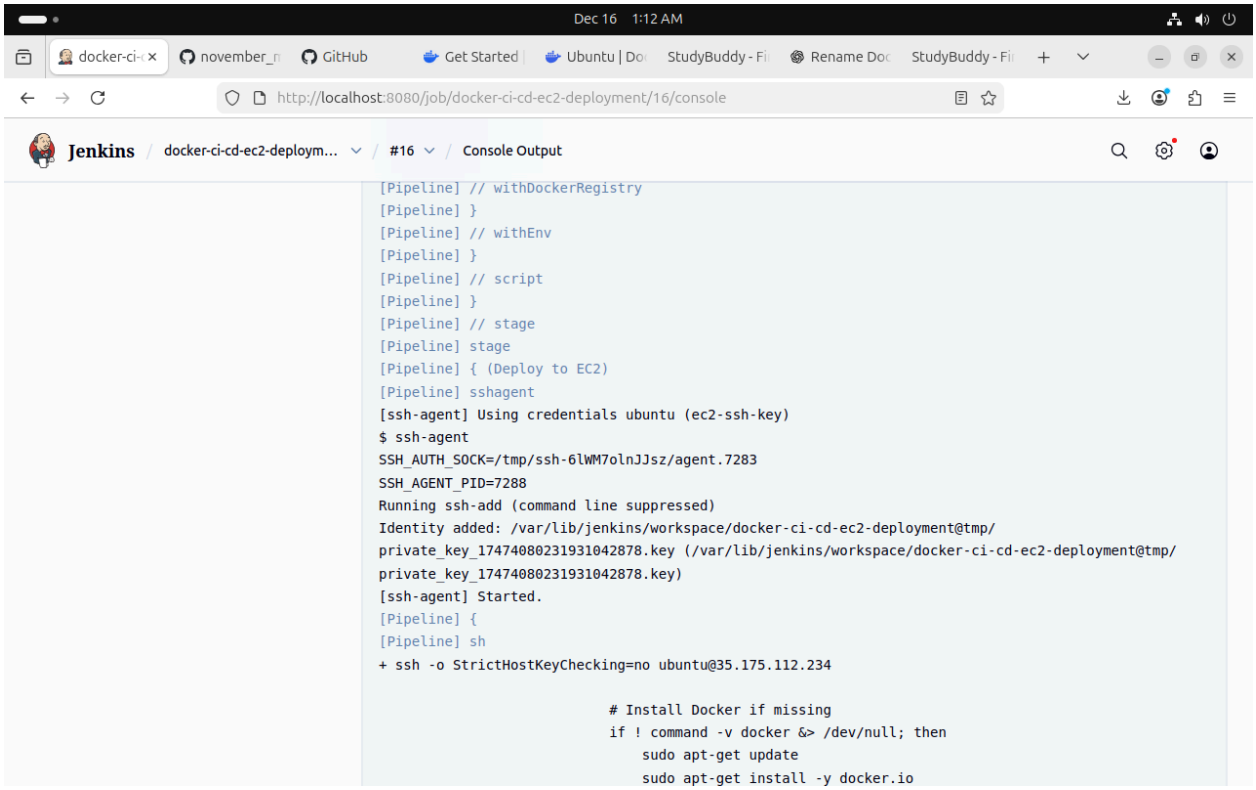

Dec 16 1:11 AM
http://localhost:8080/job/docker-ci-cd-ec2-deployment/16/console
Jenkins / docker-ci-cd-ec2-deploym... / #16 / Console Output
#6 [2/6] RUN apt-get update && apt-get install -y build-essential gcc libjpeg62-turbo-dev zlib1g-dev libpng-dev libfreetype6-dev liblcms2-dev libopenjp2-7-dev libtiff5-dev tk-dev libwebp-dev && rm -rf /var/lib/apt/lists/*
#6 CACHED
#7 [3/6] WORKDIR /app
#7 CACHED
#8 [4/6] COPY requirements.txt .
#8 DONE 0.2s
#9 [5/6] RUN pip3 install --no-cache-dir -r requirements.txt
#9 8.989 Collecting asgiref==3.4.1 (from -r requirements.txt (line 1))
#9 9.669 Downloading asgiref-3.4.1-py3-none-any.whl.metadata (9.2 kB)
#9 9.907 Collecting autopep8==1.5.7 (from -r requirements.txt (line 2))
#9 10.06 Downloading autopep8-1.5.7-py2.py3-none-any.whl.metadata (16 kB)
#9 11.21 Collecting Django==3.2.7 (from -r requirements.txt (line 3))
#9 11.37 Downloading Django-3.2.7-py3-none-any.whl.metadata (3.9 kB)
#9 11.72 Collecting django-cors-headers==3.8.0 (from -r requirements.txt (line 4))
#9 11.88 Downloading django_cors_headers-3.8.0-py3-none-any.whl.metadata (15 kB)
#9 12.17 Collecting djangorestframework==3.12.4 (from -r requirements.txt (line 5))
#9 12.33 Downloading djangorestframework-3.12.4-py3-none-any.whl.metadata (9.9 kB)
#9 13.24 Collecting Pillow==8.3.2 (from -r requirements.txt (line 6))
#9 13.40 Downloading Pillow-8.3.2.tar.gz (48.8 MB)
#9 59.29 ━━ 48.8/48.8 MB 840.7 kB/s eta 0:00:00
#9 61.87 Preparing metadata (setup.py): started

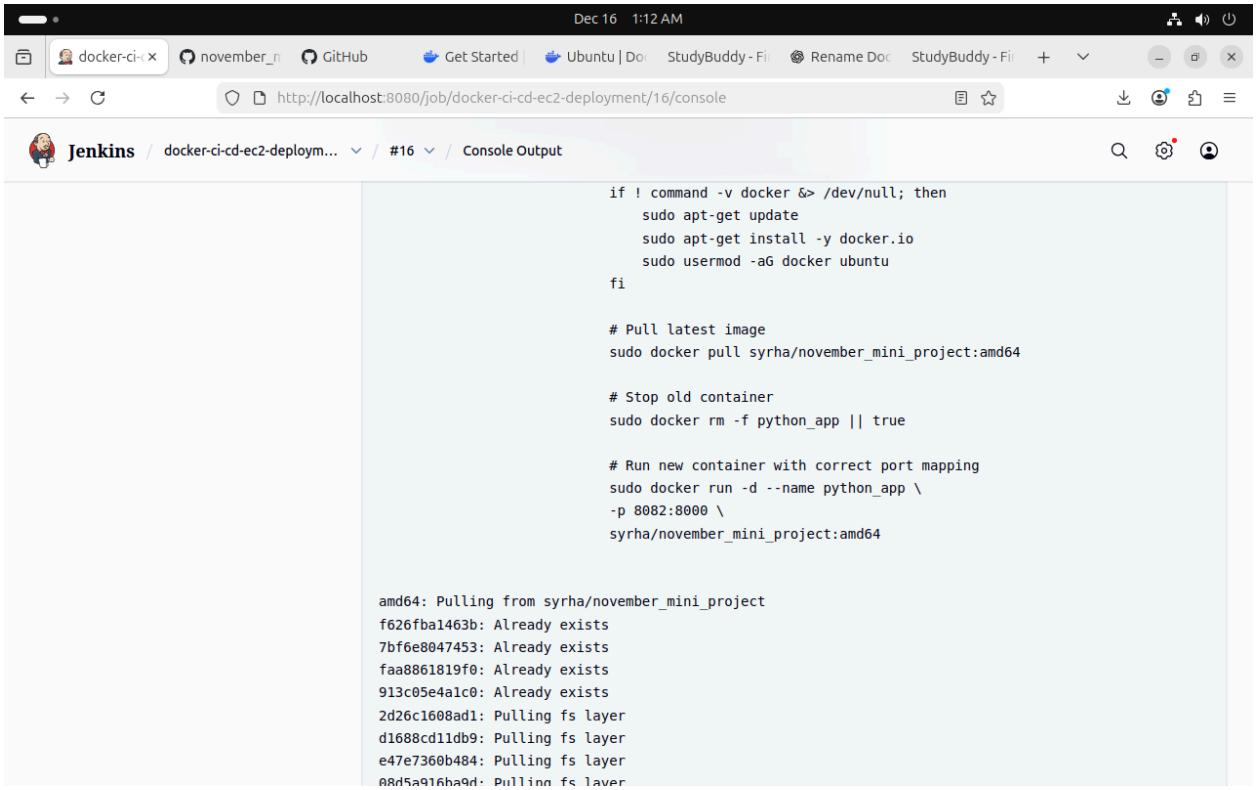

Dec 16 1:11 AM
http://localhost:8080/job/docker-ci-cd-ec2-deployment/16/console
Jenkins / docker-ci-cd-ec2-deploym... / #16 / Console Output
#9 63.32 Preparing metadata (setup.py): finished with status 'done'
#9 63.57 Collecting pycodestyle==2.7.0 (from -r requirements.txt (line 7))
#9 63.74 Downloading pycodestyle-2.7.0-py2.py3-none-any.whl.metadata (30 kB)
#9 64.08 Collecting pytz==2021.1 (from -r requirements.txt (line 8))
#9 64.24 Downloading pytz-2021.1-py2.py3-none-any.whl.metadata (21 kB)
#9 64.49 Collecting sqlparse==0.4.2 (from -r requirements.txt (line 9))
#9 64.64 Downloading sqlparse-0.4.2-py3-none-any.whl.metadata (3.4 kB)
#9 64.84 Collecting toml==0.10.2 (from -r requirements.txt (line 10))
#9 64.99 Downloading toml-0.10.2-py2.py3-none-any.whl.metadata (7.1 kB)
#9 65.39 Downloading asgiref-3.4.1-py3-none-any.whl (25 kB)
#9 65.56 Downloading autopep8-1.5.7-py2.py3-none-any.whl (45 kB)
#9 65.59 ━━ 45.0/45.0 kB 2.3 MB/s eta 0:00:00
#9 65.75 Downloading Django-3.2.7-py3-none-any.whl (7.9 MB)
#9 74.44 ━━ 7.9/7.9 MB 910.9 kB/s eta 0:00:00
#9 74.60 Downloading django_cors_headers-3.8.0-py3-none-any.whl (12 kB)
#9 74.76 Downloading djangorestframework-3.12.4-py3-none-any.whl (957 kB)
#9 75.70 ━━ 957.7/957.7 kB 1.0 MB/s eta 0:00:00
#9 75.89 Downloading pycodestyle-2.7.0-py2.py3-none-any.whl (41 kB)
#9 75.89 ━━ 41.7/41.7 kB 282.3 MB/s eta 0:00:00
#9 76.04 Downloading pytz-2021.1-py2.py3-none-any.whl (510 kB)
#9 76.56 ━━ 510.8/510.8 kB 993.4 kB/s eta 0:00:00
#9 76.73 Downloading sqlparse-0.4.2-py3-none-any.whl (42 kB)
#9 76.78 ━━ 42.3/42.3 kB 859.8 kB/s eta 0:00:00
#9 76.96 Downloading toml-0.10.2-py2.py3-none-any.whl (16 kB)
#9 77.11 Building wheels for collected packages: Pillow
#9 77.12 Building wheel for Pillow (setup.py): started
#9 137.9 Building wheel for Pillow (setup.py): still running...

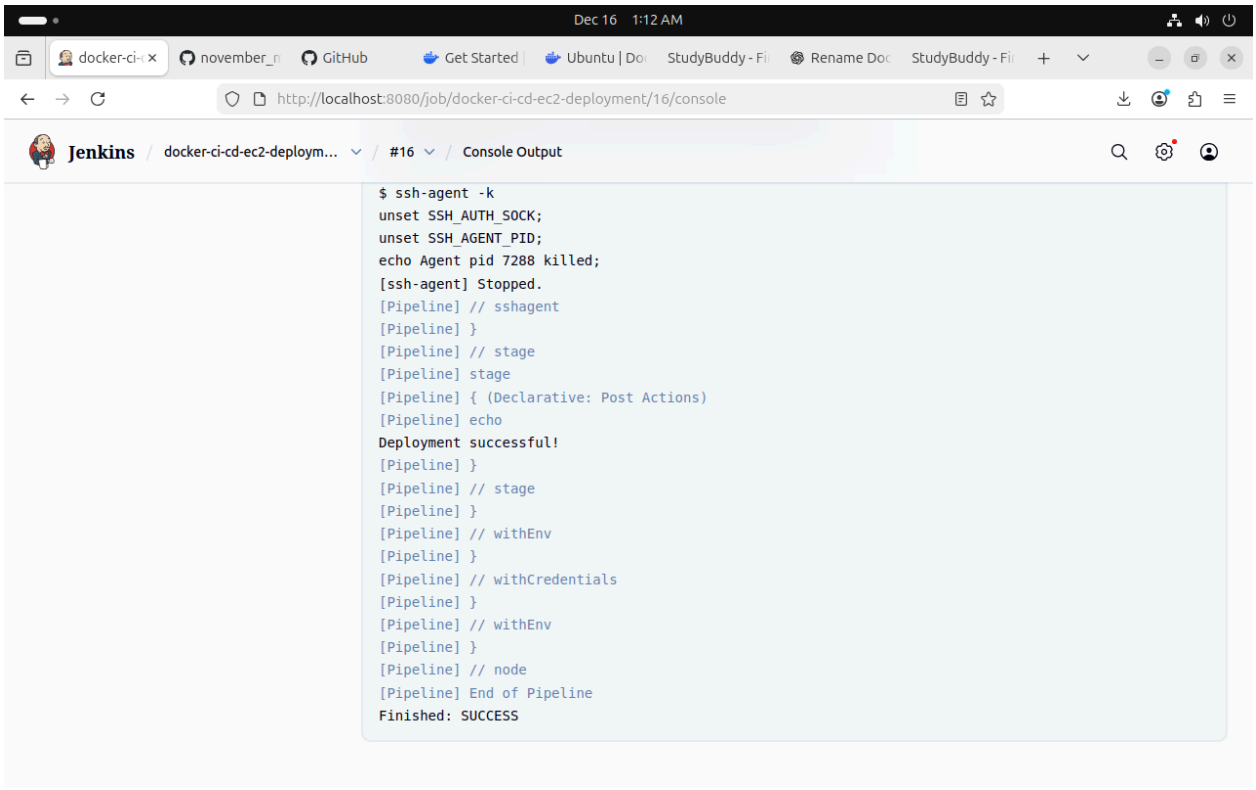

Dec 16 1:11 AM
http://localhost:8080/job/docker-ci-cd-ec2-deployment/16/console
Jenkins / docker-ci-cd-ec2-deploym... / #16 / Console Output
#9 76.73 Downloading sqlparse-0.4.2-py3-none-any.whl (42 kB)
#9 76.78 ━━ 42.3/42.3 kB 859.8 kB/s eta 0:00:00
#9 76.96 Downloading toml-0.10.2-py2.py3-none-any.whl (16 kB)
#9 77.11 Building wheels for collected packages: Pillow
#9 77.12 Building wheel for Pillow (setup.py): started
#9 137.9 Building wheel for Pillow (setup.py): still running...
#9 149.6 Building wheel for Pillow (setup.py): finished with status 'done'
#9 149.6 Created wheel for Pillow: filename=pillow-8.3.2-cp311-cp311-linux_aarch64.whl size=1349829
sha256=c29c5e74ba646316bd55ab35b76751b2ba9de4405fbb42dd29da30da0769d79e
#9 149.6 Stored in directory: /tmp/pip-ephem-wheel-cache-5c8ffxkv/wheels/
b7/42/63/77ac30adf908e40326191e7134909628bb6e242aac46e749b4
#9 149.7 Successfully built Pillow
#9 149.9 Installing collected packages: pytz, toml, sqlparse, pycodestyle, Pillow, asgiref, Django,
autopep8, djangorestframework, django-cors-headers
#9 154.4 WARNING: Running pip as the 'root' user can result in broken permissions and conflicting
behaviour with the system package manager. It is recommended to use a virtual environment instead:
https://pip.pypa.io/warnings/venv
#9 154.4 Successfully installed Django-3.2.7 Pillow-8.3.2 asgiref-3.4.1 autopep8-1.5.7 django-cors-
headers-3.8.0 djangorestframework-3.12.4 pycodestyle-2.7.0 pytz-2021.1 sqlparse-0.4.2 toml-0.10.2
#9 155.3
#9 155.3 [notice] A new release of pip is available: 24.0 -> 25.3
#9 155.3 [notice] To update, run: pip install --upgrade pip
#9 DONE 155.9s
#10 [6/6] COPY . .
#10 DONE 0.9s


Dec 16 1:11 AM
http://localhost:8080/job/docker-ci-cd-ec2-deployment/16/console
Jenkins / docker-ci-cd-ec2-deploym... / #16 / Console Output
#10 [6/6] COPY . .
#10 DONE 0.9s
#11 exporting to image
#11 exporting layers
#11 exporting layers 4.9s done
#11 writing image sha256:17fa539749eb234b699b3a35d8dd1146c24143c1903a9e737c7010d050382346 0.0s done
#11 naming to docker.io/syrha/november_mini_project:amd64 0.0s done
#11 DONE 5.0s
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Push to Docker Hub)
[Pipeline] script
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withDockerRegistry
$ docker login -u syrha -p ******** https://index.docker.io/v1/
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your credentials are stored unencrypted in '/var/lib/jenkins/workspace/docker-ci-cd-ec2-


Dec 16 1:12 AM
http://localhost:8080/job/docker-ci-cd-ec2-deployment/16/console
Jenkins / docker-ci-cd-ec2-deploym... / #16 / Console Output
Login Succeeded
[Pipeline] {
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker tag syrha/november_mini_project:amd64 index.docker.io/syrha/november_mini_project:amd64
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker push index.docker.io/syrha/november_mini_project:amd64
The push refers to repository [docker.io/syrha/november_mini_project]
cab3bc25ad04: Preparing
4ee400ea1936: Preparing
1c48639fb735: Preparing
19cf42df065b: Preparing
61526b7da0f2: Preparing
ccd7ffd0cc2b: Preparing
4d7c3b3e69ba: Preparing
631a84bae701: Preparing
ccd7ffd0cc2b: Waiting
4d7c3b3e69ba: Waiting
631a84bae701: Waiting


Dec 16 1:12 AM
docker-ci-
november_r
GitHub
Get Started
Ubuntu | Do
StudyBuddy - Fi
Rename Doc
StudyBuddy - Fi
http://localhost:8080/job/docker-ci-cd-ec2-deployment/16/console
Jenkins
docker-ci-cd-ec2-deploym...
#16
Console Output
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to EC2)
[Pipeline] sshagent
[ssh-agent] Using credentials ubuntu (ec2-ssh-key)
$ ssh-agent
SSH_AUTH_SOCK=/tmp/ssh-6lWM7olnJJsz/agent.7283
SSH_AGENT_PID=7288
Running ssh-add (command line suppressed)
Identity added: /var/lib/jenkins/workspace/docker-ci-cd-ec2-deployment@tmp/
private_key_17474080231931042878.key (/var/lib/jenkins/workspace/docker-ci-cd-ec2-deployment@tmp/
private_key_17474080231931042878.key)
[ssh-agent] Started.
[Pipeline] {
[Pipeline] sh
+ ssh -o StrictHostKeyChecking=no ubuntu@35.175.112.234
# Install Docker if missing
if ! command -v docker &> /dev/null; then
sudo apt-get update
sudo apt-get install -y docker.io


Dec 16 1:12 AM
http://localhost:8080/job/docker-ci-cd-ec2-deployment/16/console
Jenkins / docker-ci-cd-ec2-deploym... / #16 / Console Output
if ! command -v docker &> /dev/null; then
sudo apt-get update
sudo apt-get install -y docker.io
sudo usermod -aG docker ubuntu
fi
# Pull latest image
sudo docker pull syrha/november_mini_project:amd64
# Stop old container
sudo docker rm -f python_app || true
# Run new container with correct port mapping
sudo docker run -d --name python_app \
-p 8082:8000 \
syrha/november_mini_project:amd64
amd64: Pulling from syrha/november_mini_project
f626fba1463b: Already exists
7bf6e8047453: Already exists
faa8861819f0: Already exists
913c05e4a1c0: Already exists
2d26c1608ad1: Pulling fs layer
d1688cd11db9: Pulling fs layer
e47e7360b484: Pulling fs layer


Dec 16 1:12 AM
http://localhost:8080/job/docker-ci-cd-ec2-deployment/16/console
Jenkins / docker-ci-cd-ec2-deploym... / #16 / Console Output
$ ssh-agent -k
unset SSH_AUTH_SOCK;
unset SSH_AGENT_PID;
echo Agent pid 7288 killed;
[ssh-agent] Stopped.
[Pipeline] // sshagent
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
[Pipeline] echo
Deployment successful!
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withCredentials
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

EC2 IP/PORT

54.160.197.1:8082