Case Study Submission Template

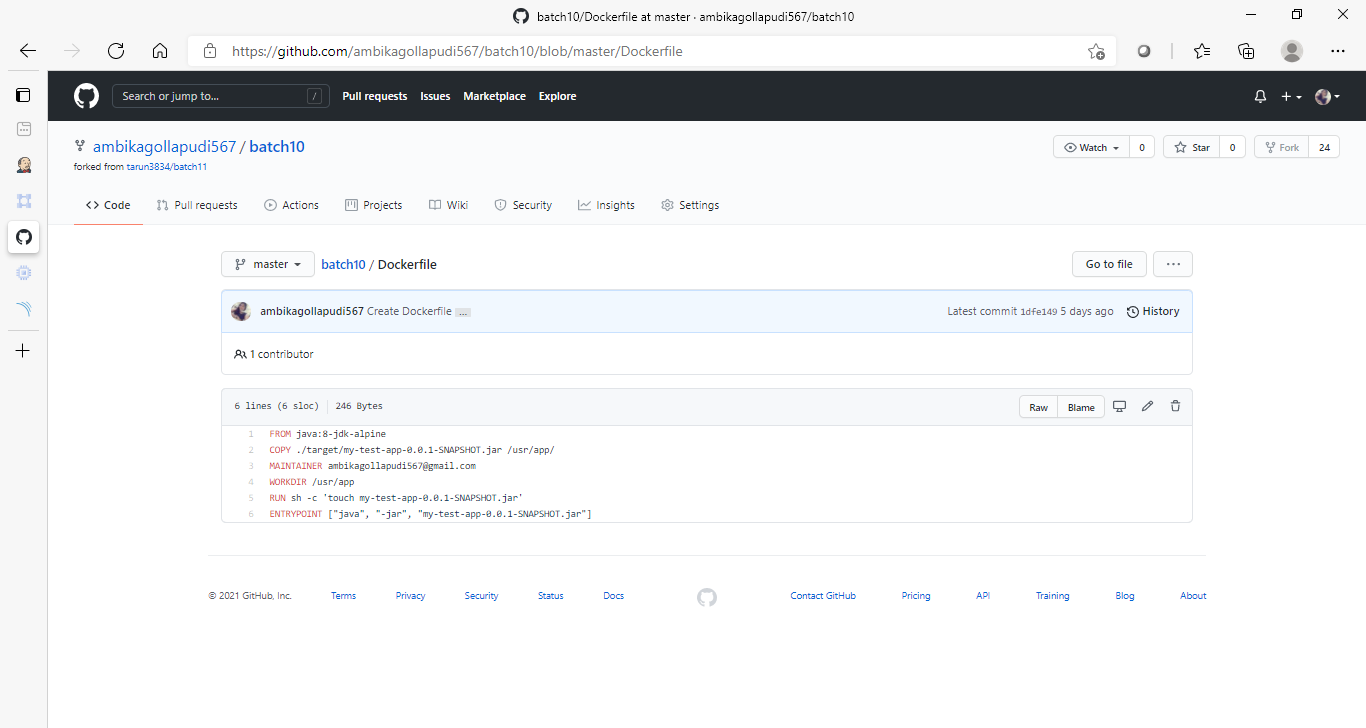
1)Name: Ambika Gollapudi

2)Employee Id: 1429028

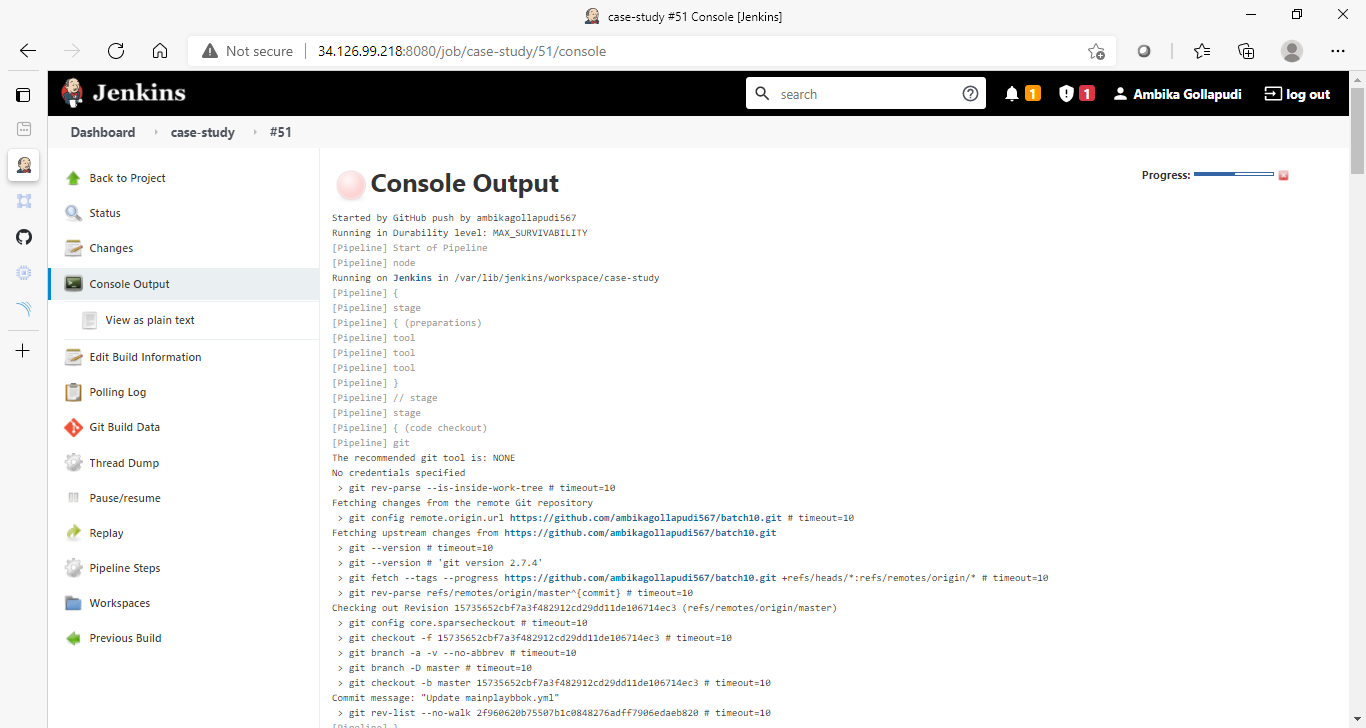
3)Email Id: [ambika.gollapudi@tcs.com](mailto:ambika.gollapudi@tcs.com)

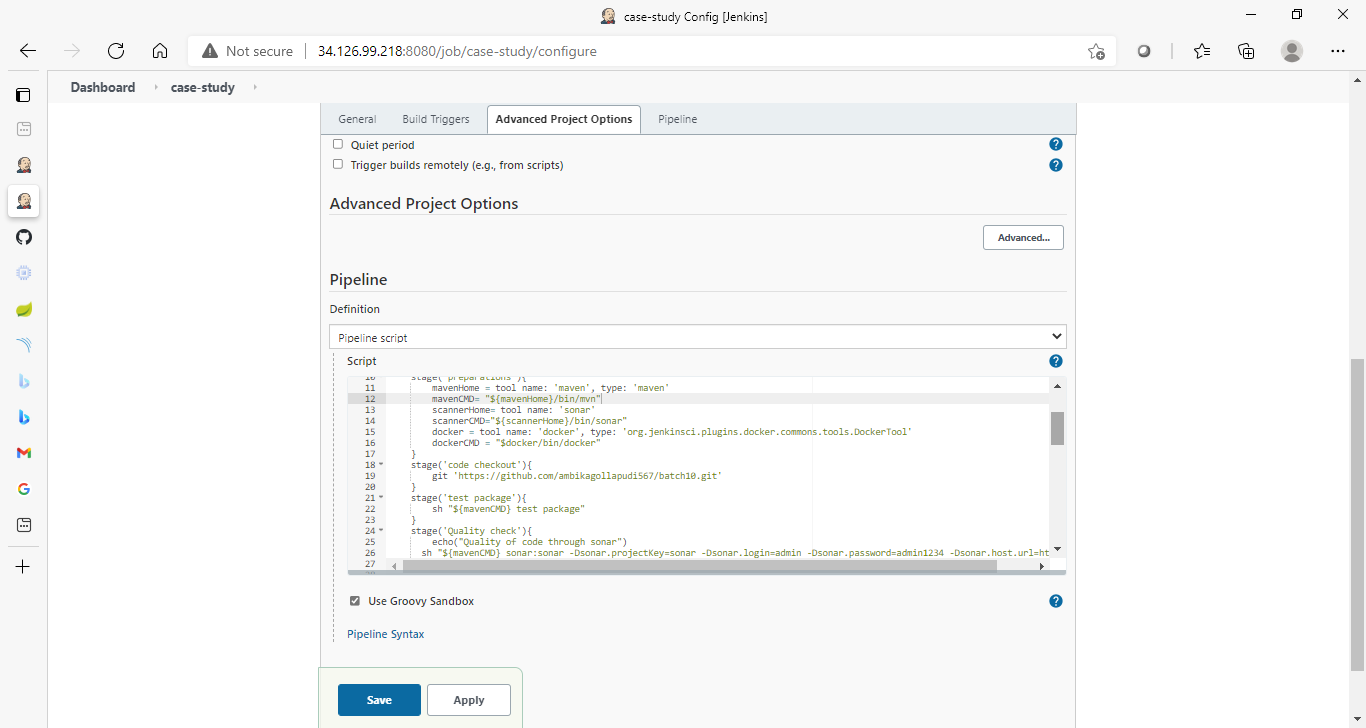
4)Git Repo URL: <https://github.com/ambikagollapudi567/batch10.git>

5)Dockerfile:



6)Jenkins File





try{

node{

def mavenHome

def mavenCMD

def scannerHome

def scannerCMD

def dockerHome

def dockerCMD

def tagName = "7.0"

stage('preparations'){

mavenHome = tool name: 'maven', type: 'maven'

mavenCMD= "${mavenHome}/bin/mvn"

scannerHome= tool name: 'sonar'

scannerCMD="${scannerHome}/bin/sonar"

docker = tool name: 'docker', type: 'org.jenkinsci.plugins.docker.commons.tools.DockerTool'

dockerCMD = "$docker/bin/docker"

}

stage('code checkout'){

git 'https://github.com/ambikagollapudi567/batch10.git'

}

stage('test package'){

sh "${mavenCMD} test package"

}

stage('Quality check'){

echo("Quality of code through sonar")

sh "${mavenCMD} sonar:sonar -Dsonar.projectKey=sonar -Dsonar.login=admin -Dsonar.password=admin1234 -Dsonar.host.url=http://34.126.99.218:9000/"

}

stage('publish report'){

echo " Publishing HTML report.."

publishHTML([allowMissing: false, alwaysLinkToLastBuild: false, keepAll: false, reportDir: '', reportFiles: 'index.html', reportName: 'HTML Report', reportTitles: ''])

}

stage('Build Docker Image'){

echo "Building docker image for SpringBoot application ..."

sh "docker build -t ambikagollapudi567/batch10:${tagName} ."

}

stage('Pushing to hub'){

withCredentials([usernamePassword(credentialsId: 'docker', passwordVariable: 'dockerpwd', usernameVariable: 'docker')]) {

// some block

sh "docker login -u ambikagollapudi567 -p ${dockerpwd}"

sh "docker push ambikagollapudi567/batch10:${tagName}"

}

}

stage("Deploying the job")

{ echo("deploying application")

ansiblePlaybook installation: 'ansible 2.9.22', inventory: '/etc/ansible/hosts', playbook: 'mainplaybbok.yml'

}

stage('Clean up'){

echo "Cleaning up the workspace..."

cleanWs()

}

}}

catch(Exception err){

echo "Exception occured..."

(currentBuild.result="FAILURE") && node("master"){

emailext body: 'Build failed due to some errors', subject: 'Build Result', to: 'ambikagollapudi567@gmail.com'

}

//send an failure email notification to the user.

}

finally {

(currentBuild.result!="ABORTED") && node("master"){

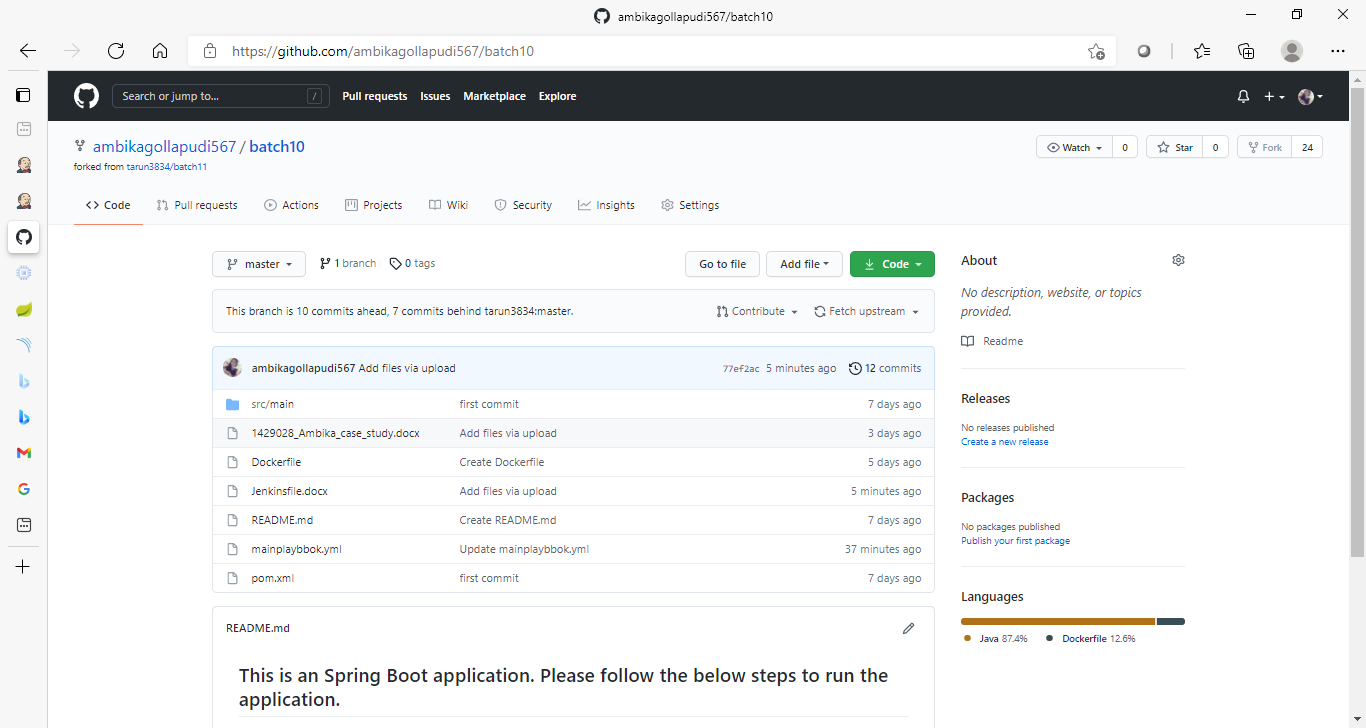
emailext body: 'Congrats ...Build Success!!!!', subject: 'Build Result', to: 'ambikagollapudi567@gmail.com'

}

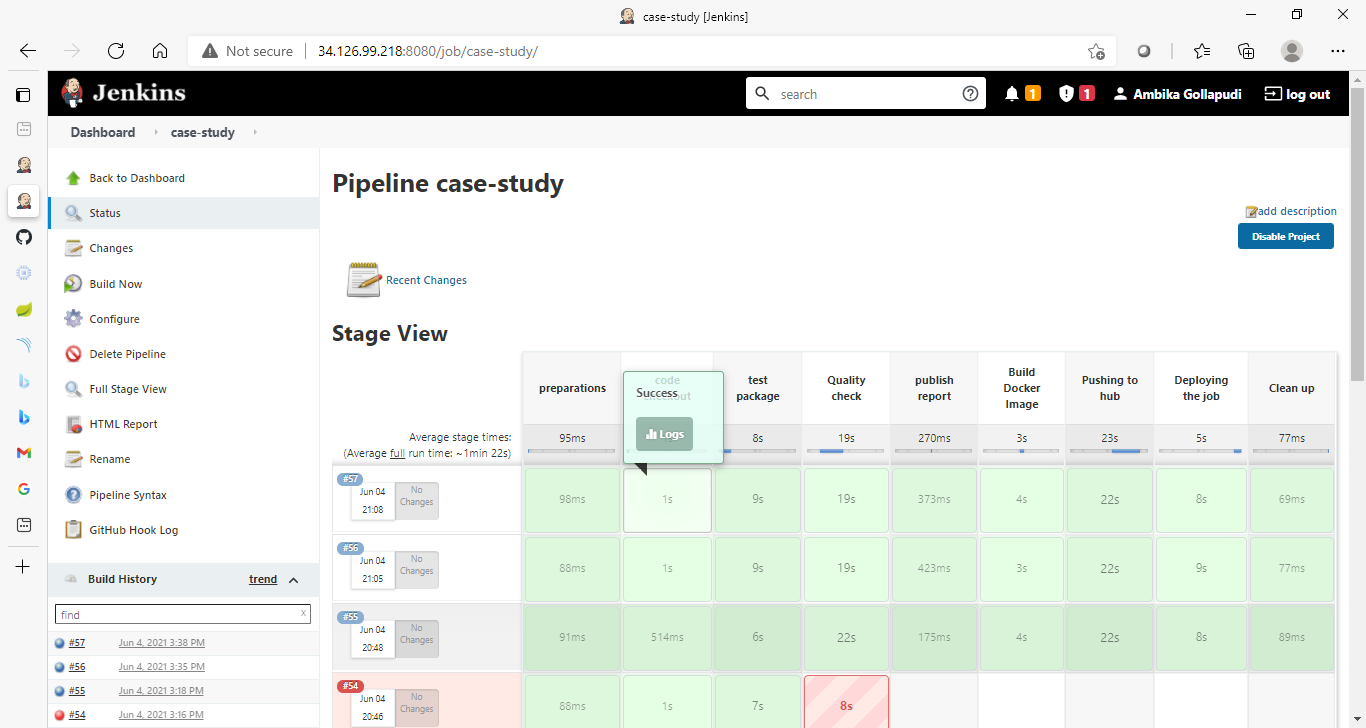
//send an failure email notification to the user.

}

7)Uploaded Jenkins Log file



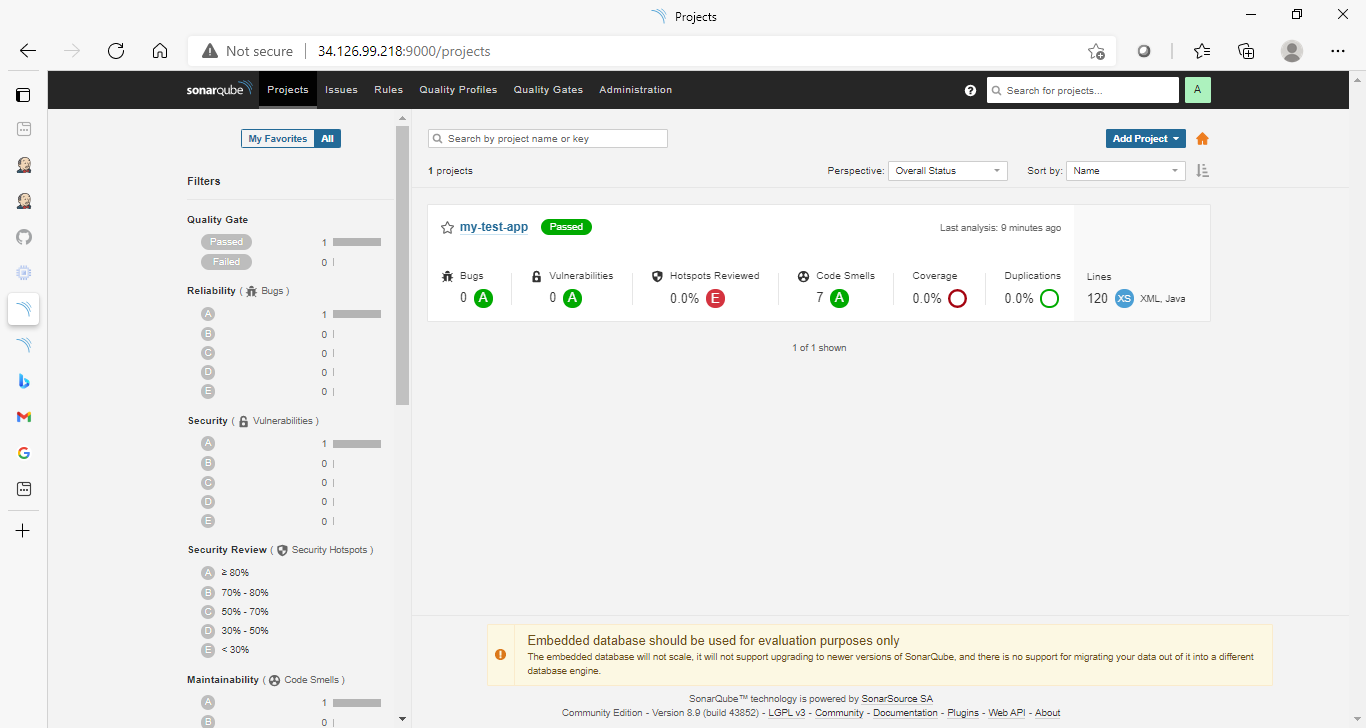
8)Pipeline Job Status



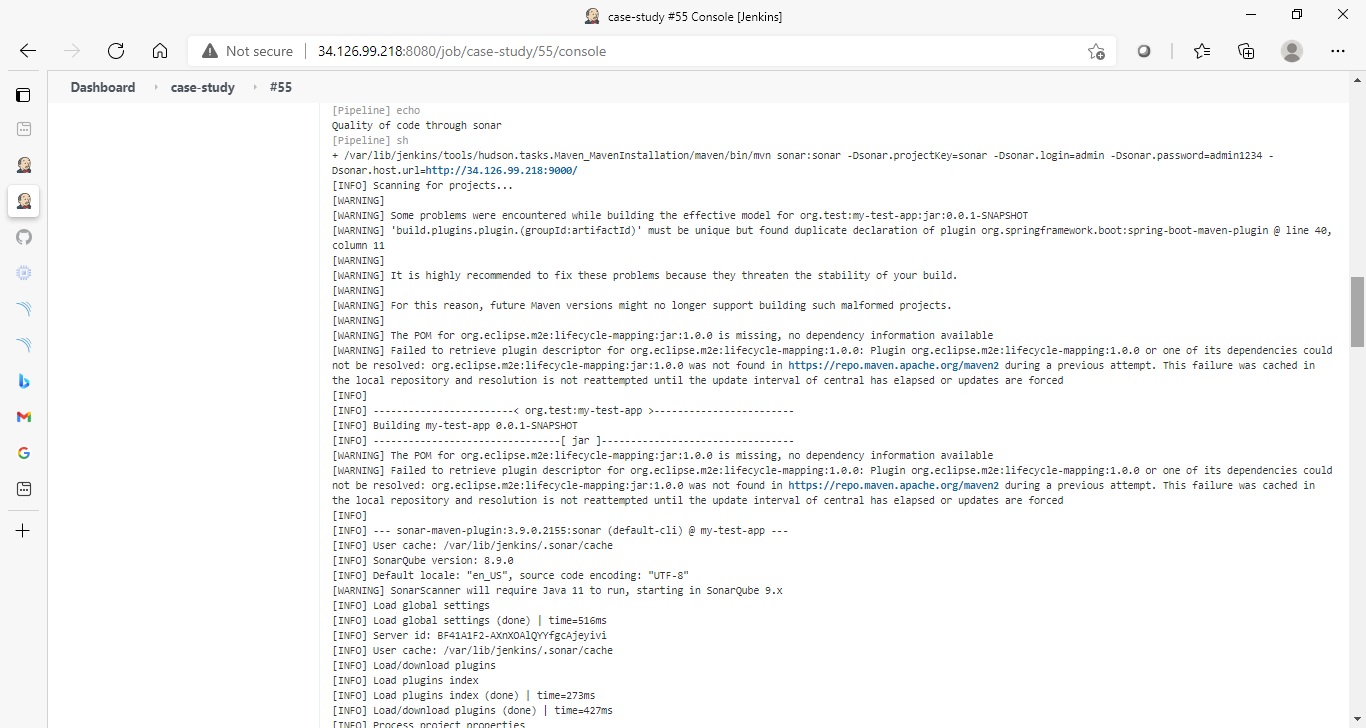
9)Email Notification

Due to some security reasons i am unable to do this .

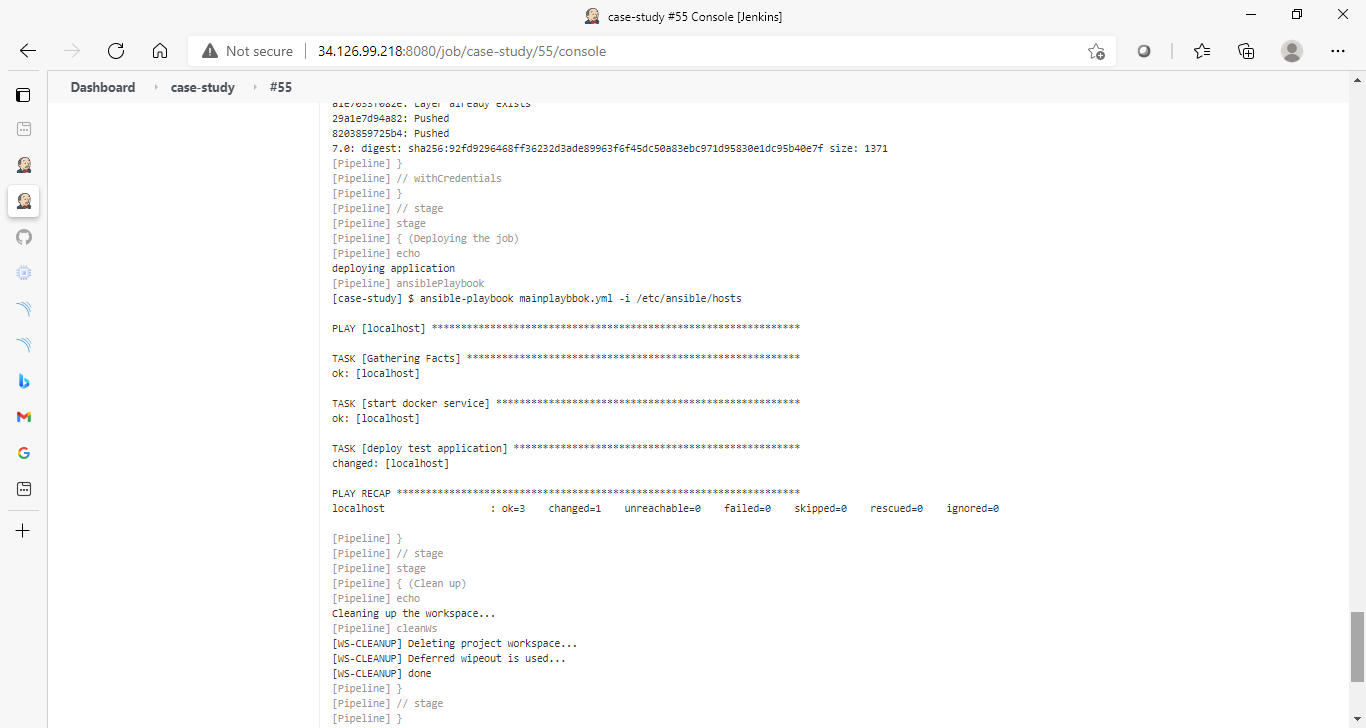
10)SonarQube Report



11)AppScan



12)Ansible Playbook Logs



13)Working Application  
