


Day 6 Task:

 **Jenkins**

Dashboard > project >

Status

</> Changes

▶ Build Now

⚙️ Configure

🗑️ Delete Pipeline

🔍 Full Stage View

📋 Stages

✎ Rename

❓ Pipeline Syntax

Builds

🟢 project

Add description

Stage View

Average stage times:
(full run time: ~2min 17s)

	Declarative: Tool Install	Clean Workspace	Git Checkout	Install Node	Docker Build & Push	Deploy Docker Container
#9 08:51 No Changes	448ms	4s	2s	44s	1min 20s	1s

Permalinks

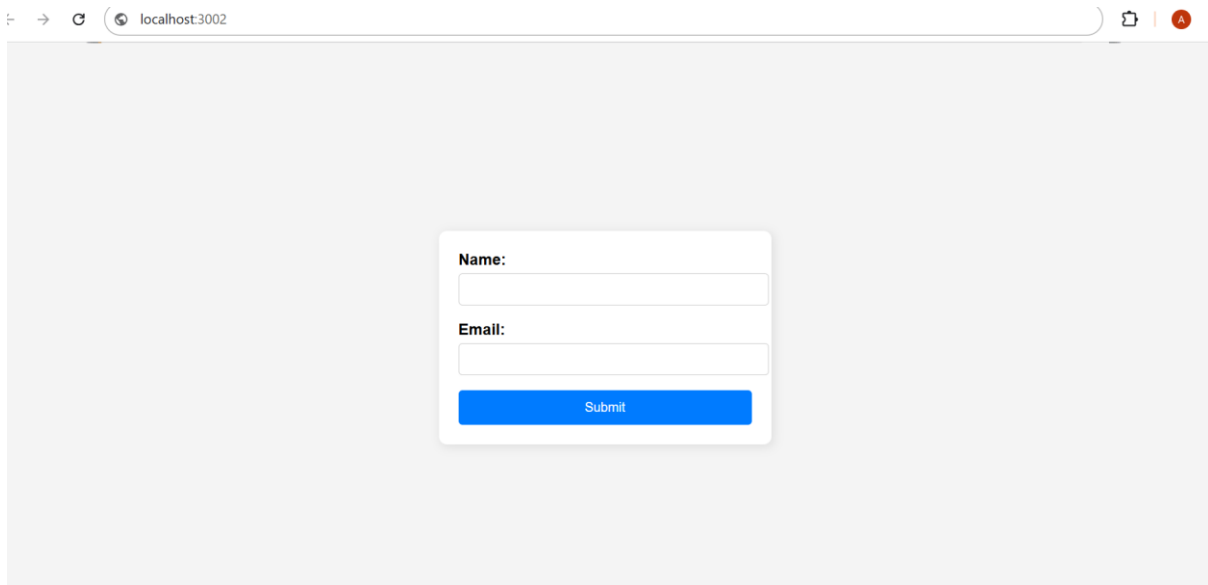
Dashboard > project > #9

- 📄 Status
- </> Changes
- 📄 Console Output
- 📄 Edit Build Information
- 🗑️ Delete build '#9'
- 🕒 Timings
- 🔍 Git Build Data
- 🔗 Pipeline Overview
- 📄 Pipeline Console
- 🔄 Restart from Stage
- 🔄 Replay

Console Output

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```
Started by user Ashwitha S
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/project
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Tool Install)
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
```



```
pipeline {
  agent any
  tools {
    jdk 'jdk17'
    nodejs 'node20'
  }

  stages {
    stage('Clean Workspace') {
      steps {
        script {
          echo "Cleaning workspace..."
          deleteDir() // Deletes everything in the Jenkins workspace before starting
        }
      }
    }
  }

  stage('Git Checkout') {
    steps {
      script {
        git branch: 'main',
        credentialsId: 'github_seccred',
        url: 'https://github.com/ashwithasivasubramanian/devops_task5.git'
      }
    }
  }
}
```

```

stage('Install Node') {
  steps {
    script {
      sh '''
      if [ -f package.json ]; then
        echo "package.json found. Running npm install..."
        npm install
      else
        echo "ERROR: package.json is missing. Skipping npm install."
        exit 1
      fi
      '''
    }
  }
}

stage('Docker Build & Push') {
  steps {
    script {
      withDockerRegistry(credentialsId: 'docker', url: 'https://index.docker.io/v1/') {
        def imageName = "22itr010/devops"
        def tag = "latest1"

        sh "docker build -t ${imageName} ."
        sh "docker tag ${imageName} ${imageName}:${tag}"
        sh "docker push ${imageName}:${tag}"
      }
    }
  }
}

stage('Deploy Docker Container') {
  steps {
    script {
      // Stop and remove the existing container if it's running
      sh "docker stop hotstar_container || true"
      sh "docker rm hotstar_container || true"

      // Run the new container
      sh "docker run -d --name hotstar_container -p 3002:3000 22itr010/devops:latest1"
    }
  }
}

```