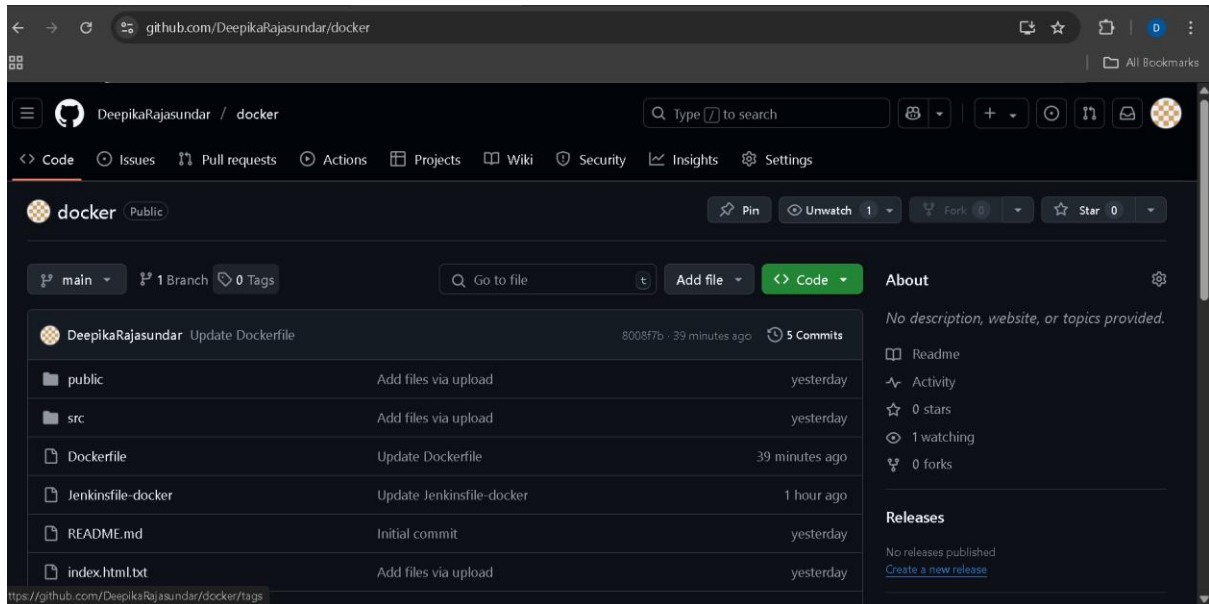


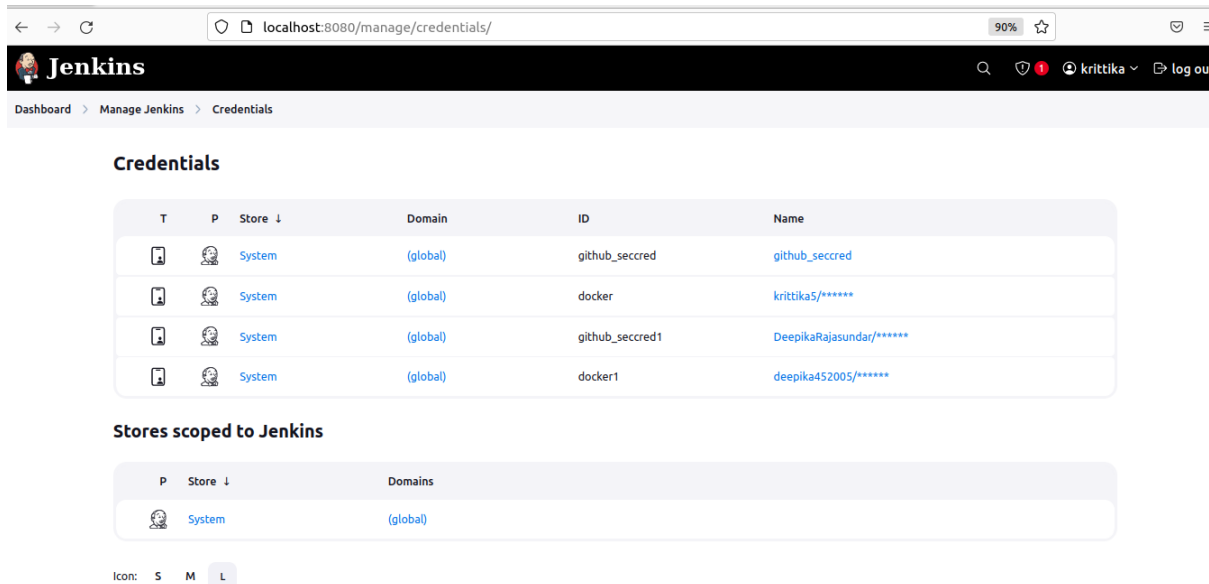
## DAY 2

## DOCKER

Pushing all files into github



## Credentials



## Pipeline configuration

```
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 {
          echo "Checking out the latest code from GitHub..."
          git branch: 'main',
            credentialsId: 'github_secured',
            url: 'https://github.com/DeepikaRajasundar/docker.git'
        }
      }
    }
    stage('Install Node') {
      steps {
        script {
          echo "Checking for package.json and installing dependencies..."
          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 {
          echo "Building and pushing Docker image..."
        }
      }
    }
  }
}
```

```

        withDockerRegistry(credentialsId: 'docker') { // Removed 'toolName'
            def imageName = "deepika452005/devops_docker"
            def tag = "latest"
            sh "docker build -t ${imageName}:${tag} ."
            sh "docker push ${imageName}:${tag}"
        }
    }
}

stage('Deploy Docker Container') {
    steps {
        script {
            echo "Stopping and removing any existing containers..."
            sh "docker stop devops_container || true"
            sh "docker rm devops_container || true"
            echo "Deploying new Docker container..."
            sh """
                docker run -d --name devops_container -p 3001:3000
                deepika452005/devops_docker:latest
            """
        }
    }
}
}

```

# Stage Status


← → ↺

localhost:8080/job/deeps/

90% ☆

🔒

☰

 **Jenkins**

🔍 🛡️ 1 👤 krittika 🗑️ log out

Dashboard > deeps >

Status

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Stages

Rename

Pipeline Syntax

Builds

Filter

Today

🟢 #2 1:12 PM

🟢 #1 12:49 PM

🟢 **deeps**

Add description

Stage View

Average stage times:  
(full run time: ~7min 52s)

13:12

1

12:49

No Changes

Declarative: Tool Install	Clean Workspace	Git Checkout	Install Node	Docker Build & Push	Deploy Docker Container
856ms	6s	4s	2min 38s	4min 51s	4s
866ms	11s	4s	2min 23s	4min 57s	6s
847ms	1s	5s	2min 53s	4min 44s	2s

Permalinks

- Last build (#2), 2 min 5 sec ago
- Last stable build (#1), 24 min ago
- Last successful build (#1), 24 min ago
- Last completed build (#1), 24 min ago