**Devops**

**Git Lab URL:-** <https://git.nagarro.com/GITG00641/DotNet/guddanti-anjali-.git>

1. **Create freestyle Jenkins job to download code from Git**

Login to the Jenkins portal. Select new item from the dashboard.

Provide Job name and select Freestyle project.

**Graphical user interface, text, application

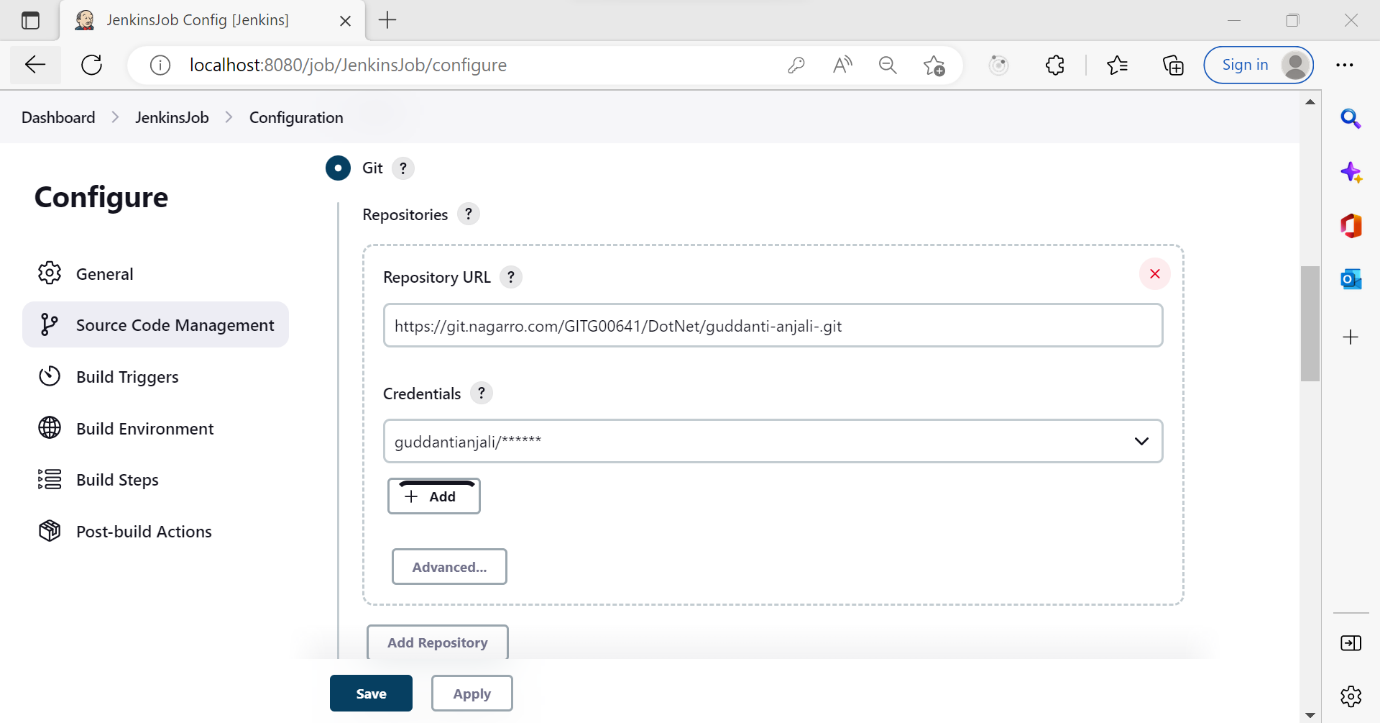
Description automatically generated**

Give Job Description to provide additional information about the Job.

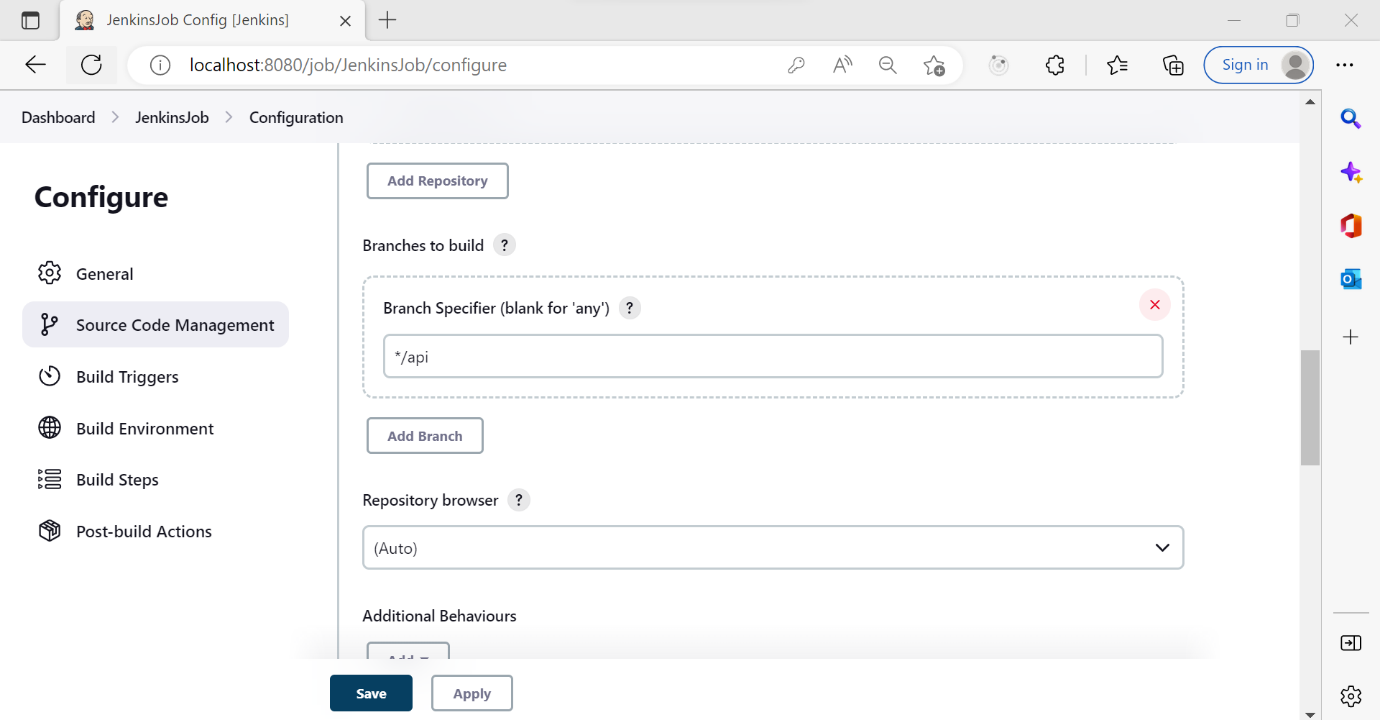
**Graphical user interface, application

Description automatically generated**

Provide git URL along with credentials.

****

Select the required branch which you want to clone and click on save.

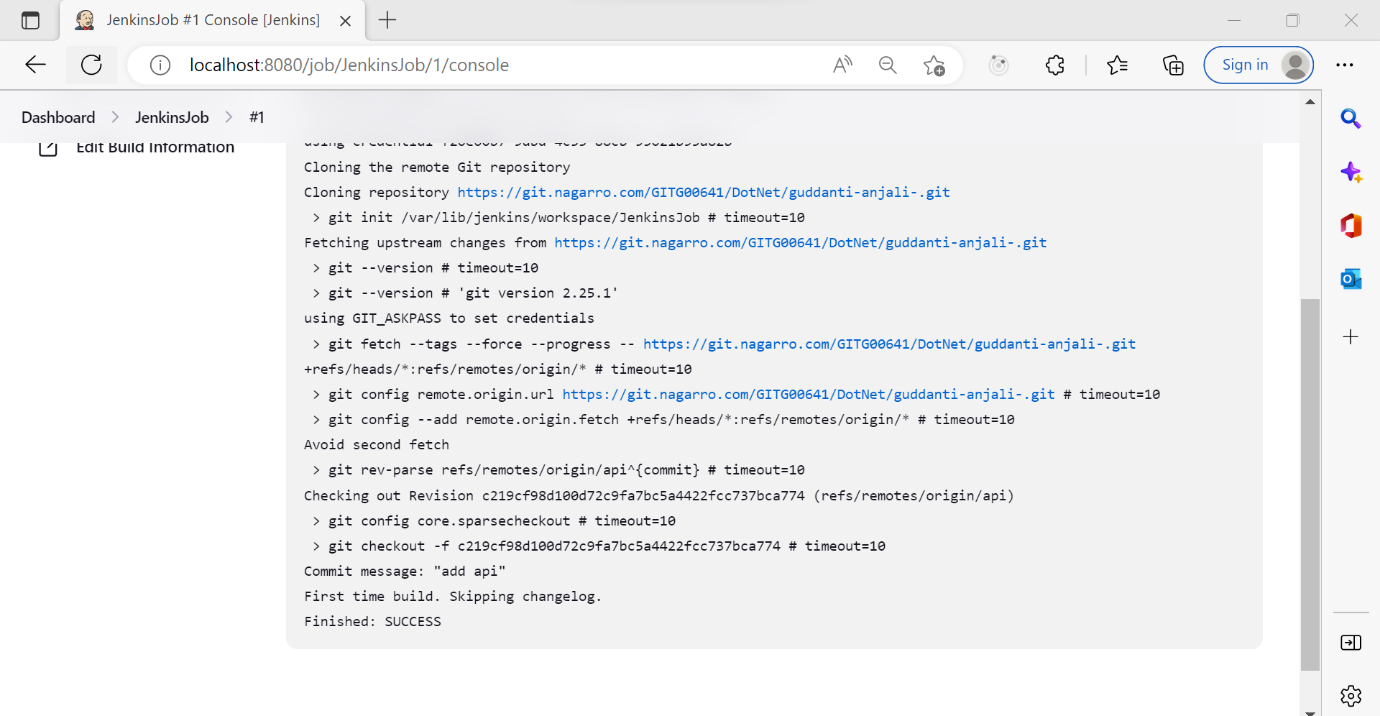
****

Click on the “Build now” to build the Job.

**Graphical user interface, text, application

Description automatically generated**

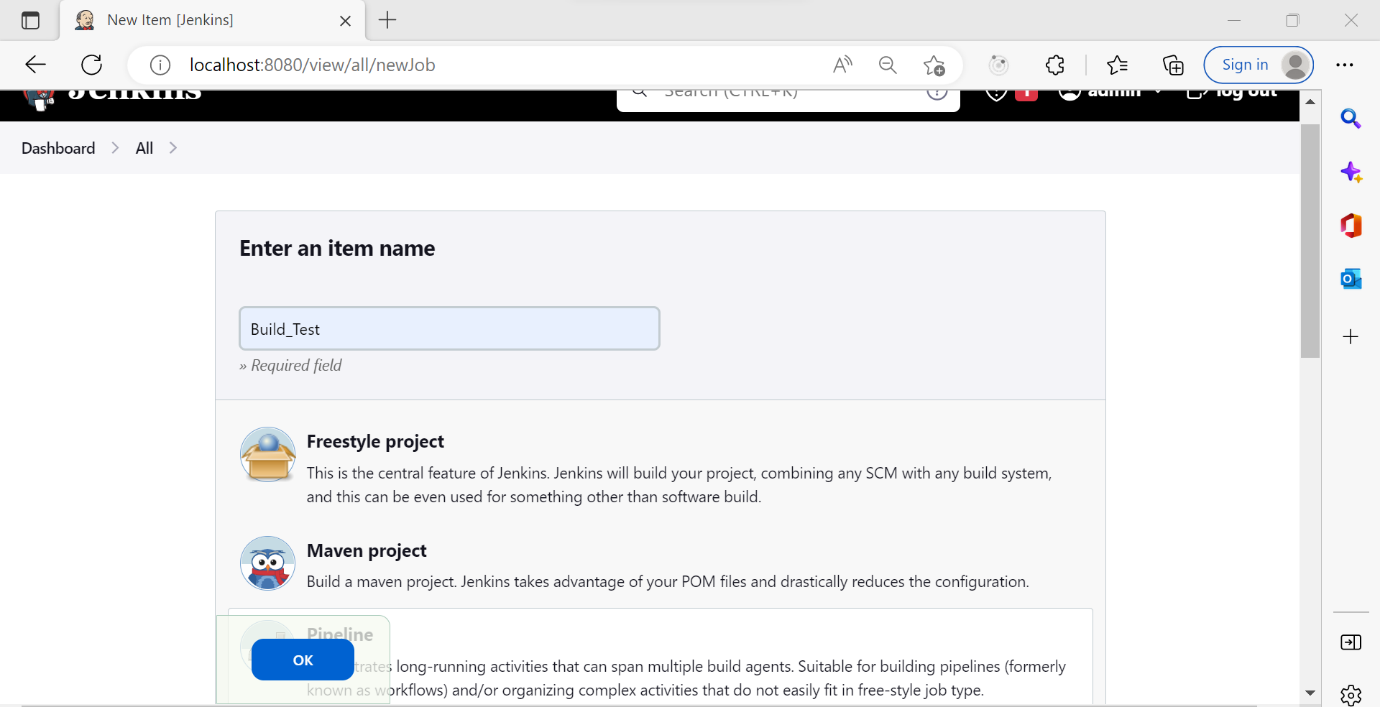
**Graphical user interface, text, application

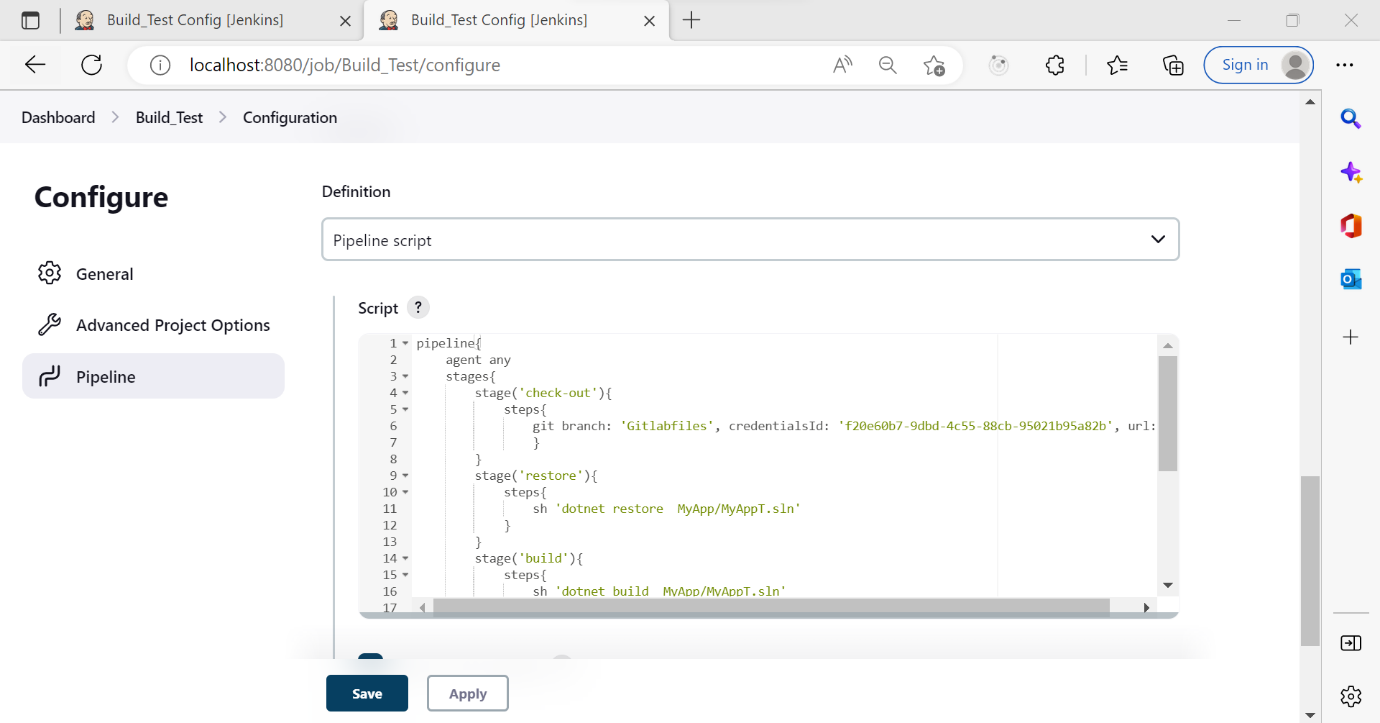
Description automatically generatedGraphical user interface, application

Description automatically generated**

1. **Create pipeline to build and test basic .net project code**

Select new item from the dashboard. Enter the Job name and select Pipeline.

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**Pipeline Script:-**

pipeline{

agent any

stages{

stage('check-out'){

steps{

git branch: 'Gitlabfiles', credentialsId: 'f20e60b7-9dbd-4c55-88cb-95021b95a82b', url: 'https://git.nagarro.com/GITG00641/DotNet/guddanti-anjali-.git'

}

}

stage('restore'){

steps{

sh 'dotnet restore MyApp/MyAppT.sln'

}

}

stage('build'){

steps{

sh 'dotnet build MyApp/MyAppT.sln'

}

}

stage('test'){

steps{

sh 'dotnet test MyApp/TestingProject/TestingProject.csproj'

}

}

stage('run'){

steps{

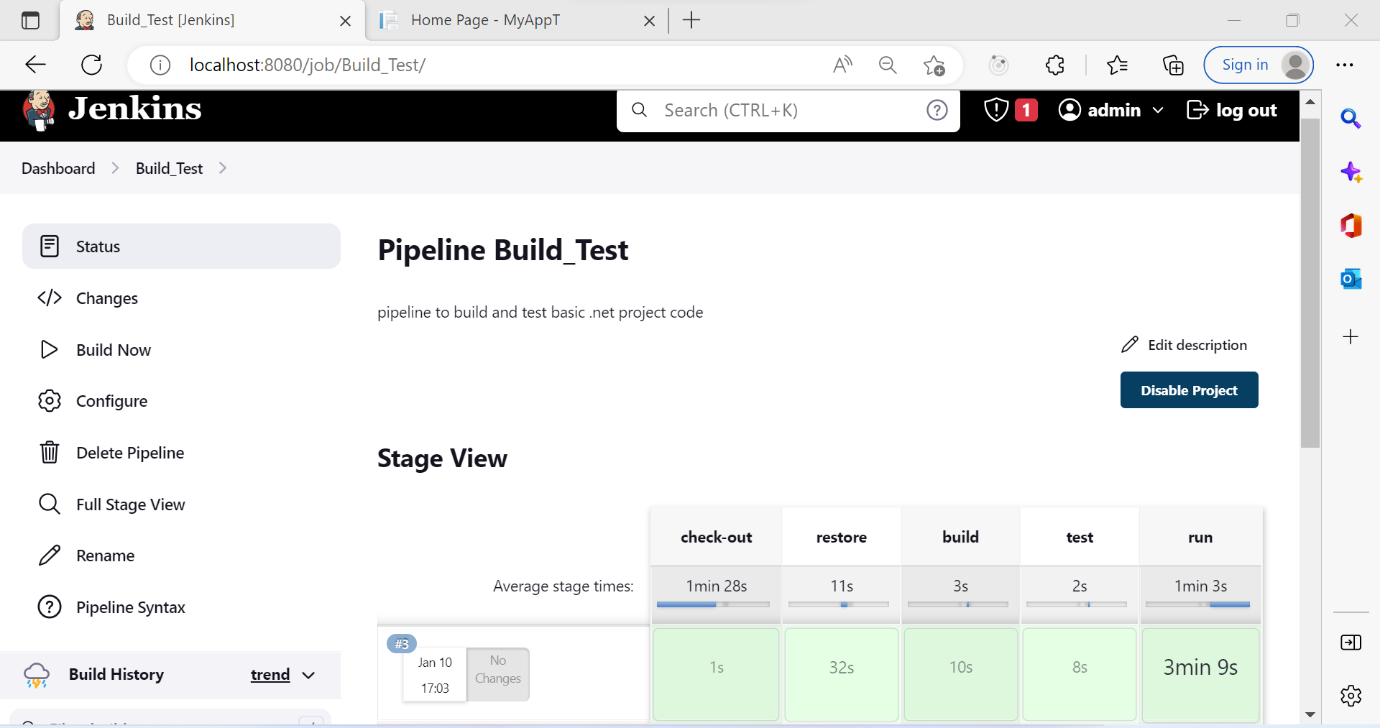
sh 'dotnet run --project MyApp/MyAppT'

}

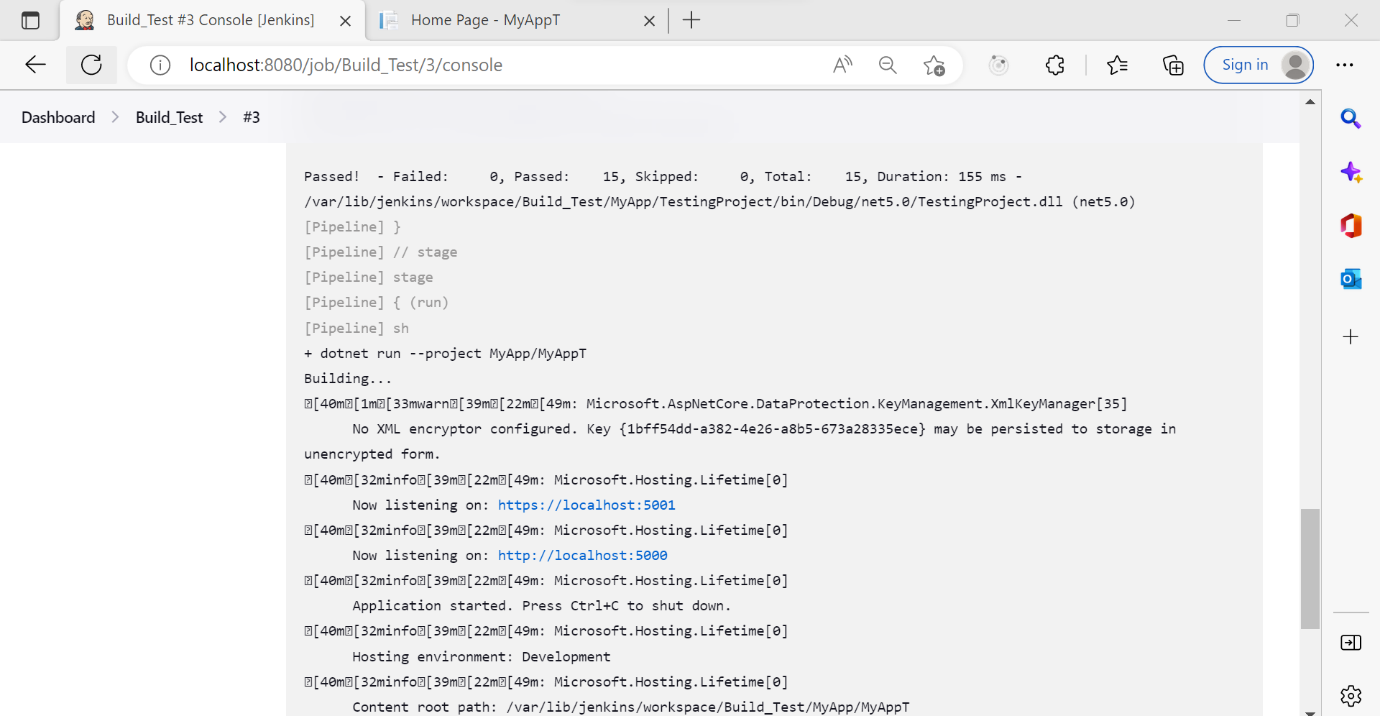
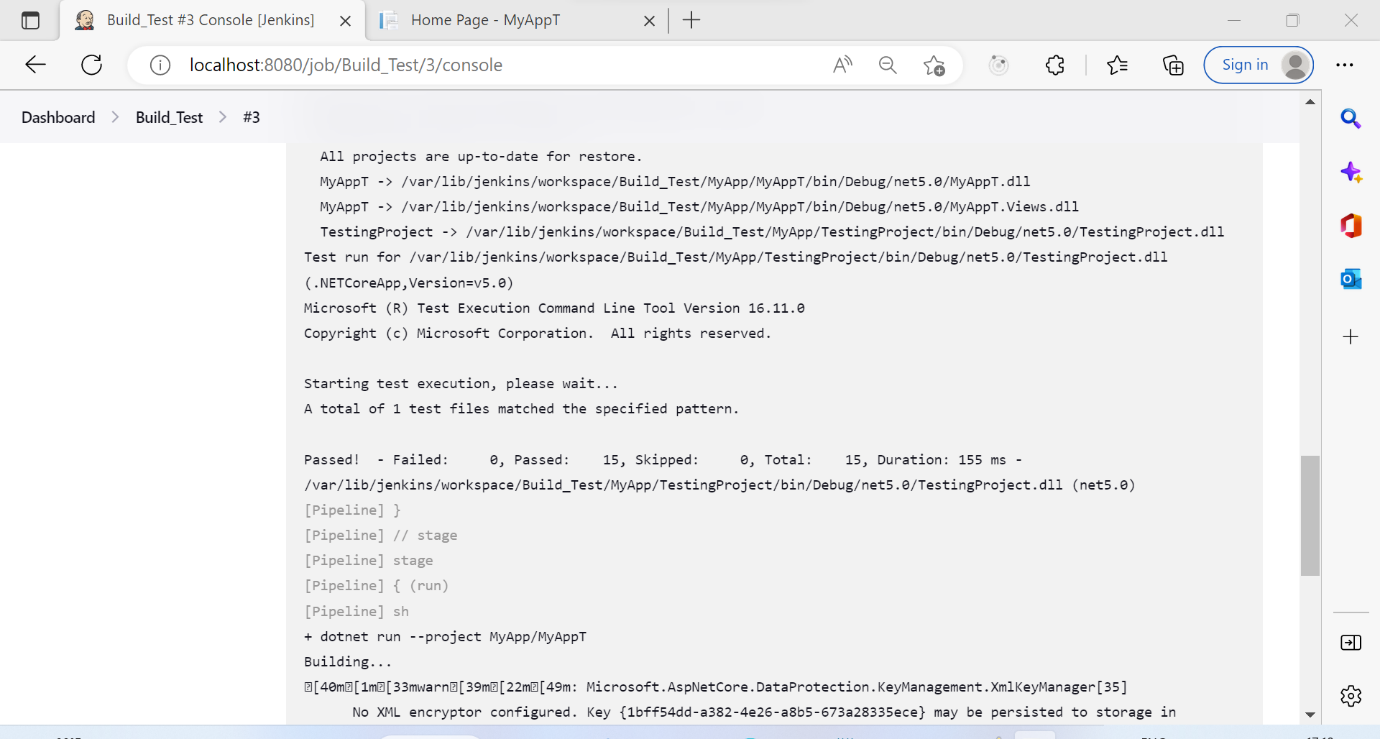
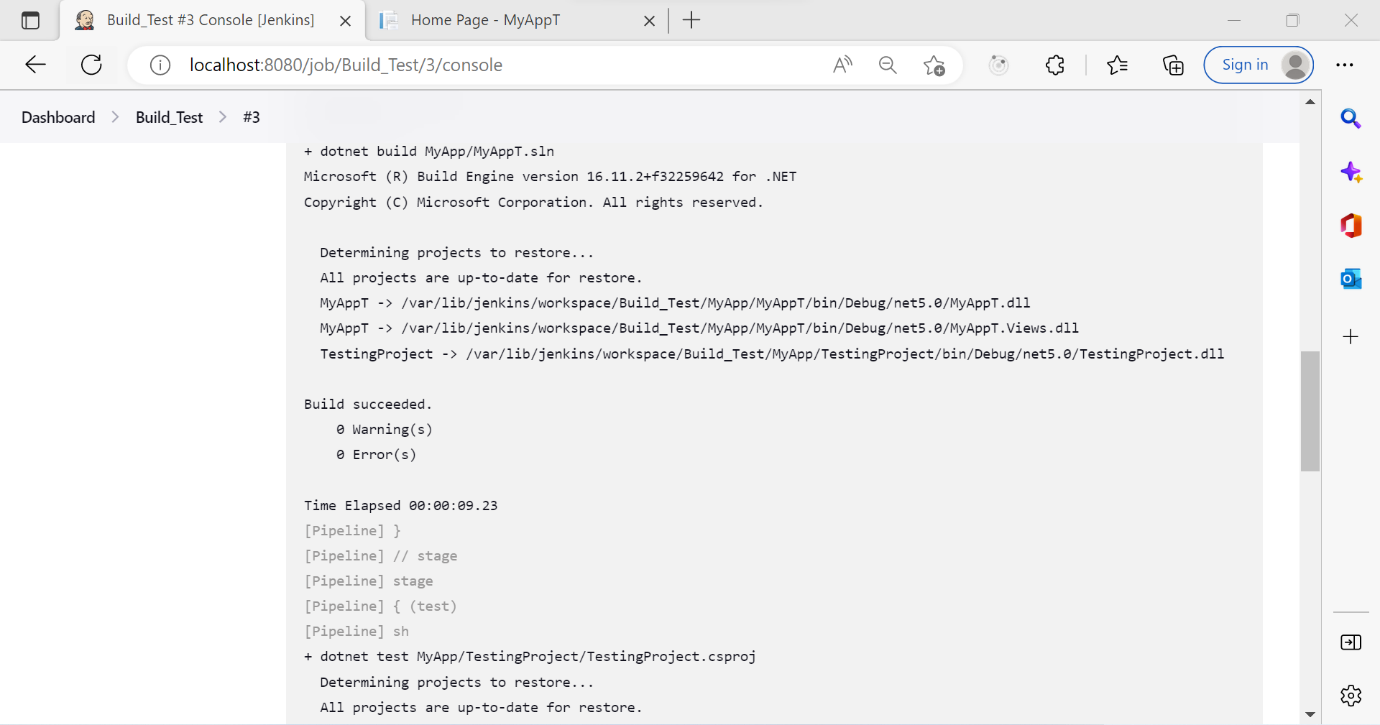
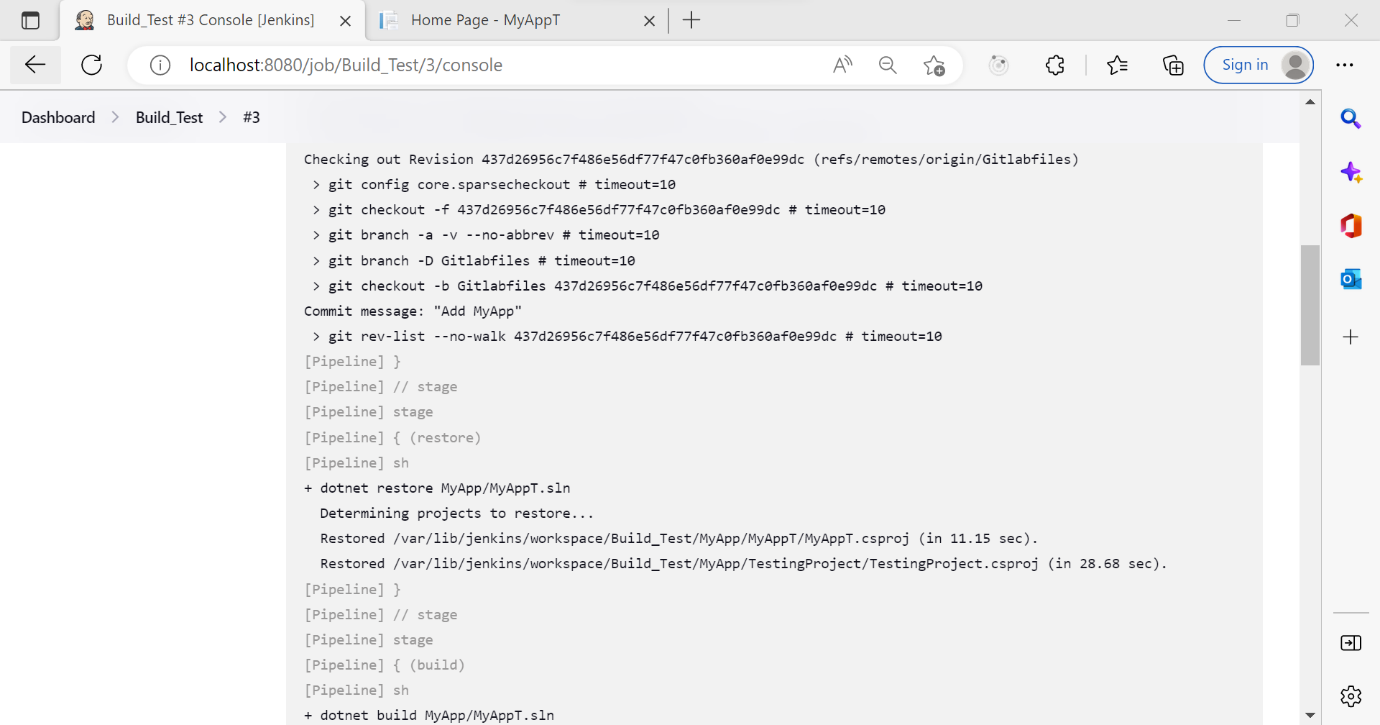
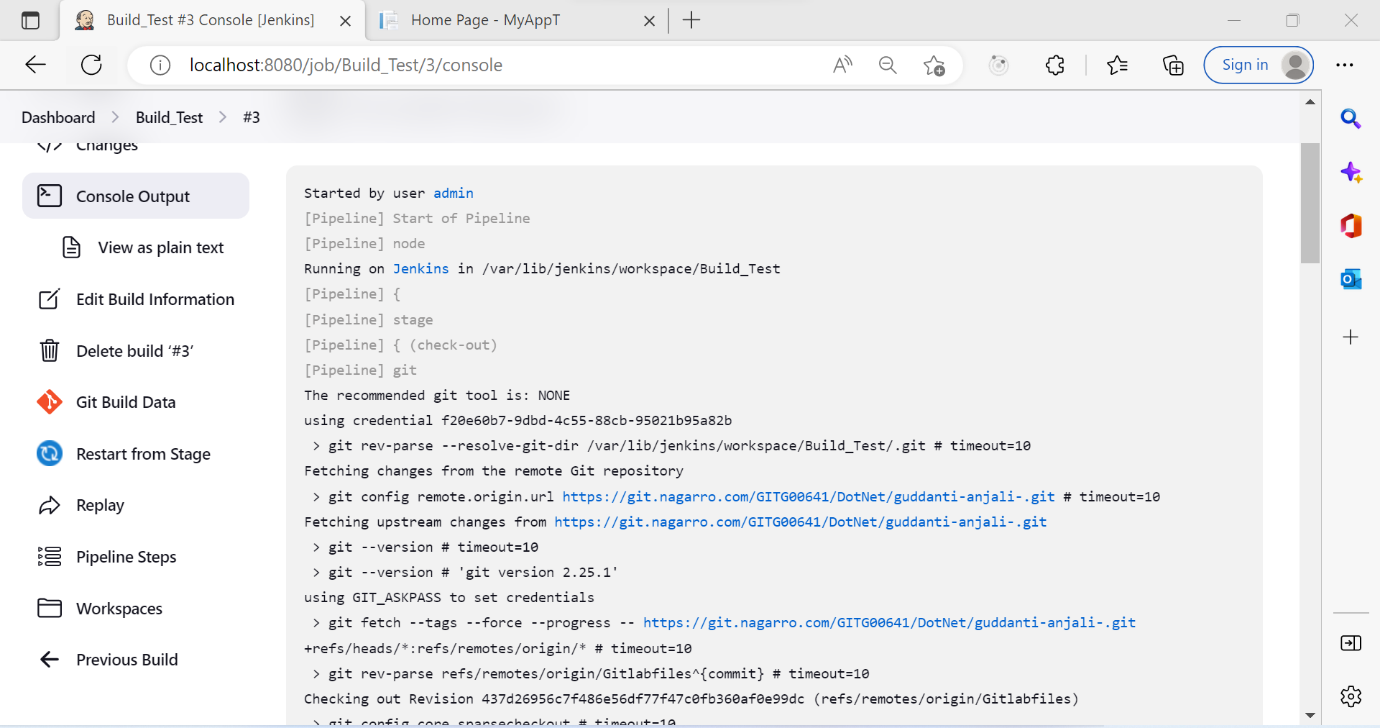
}

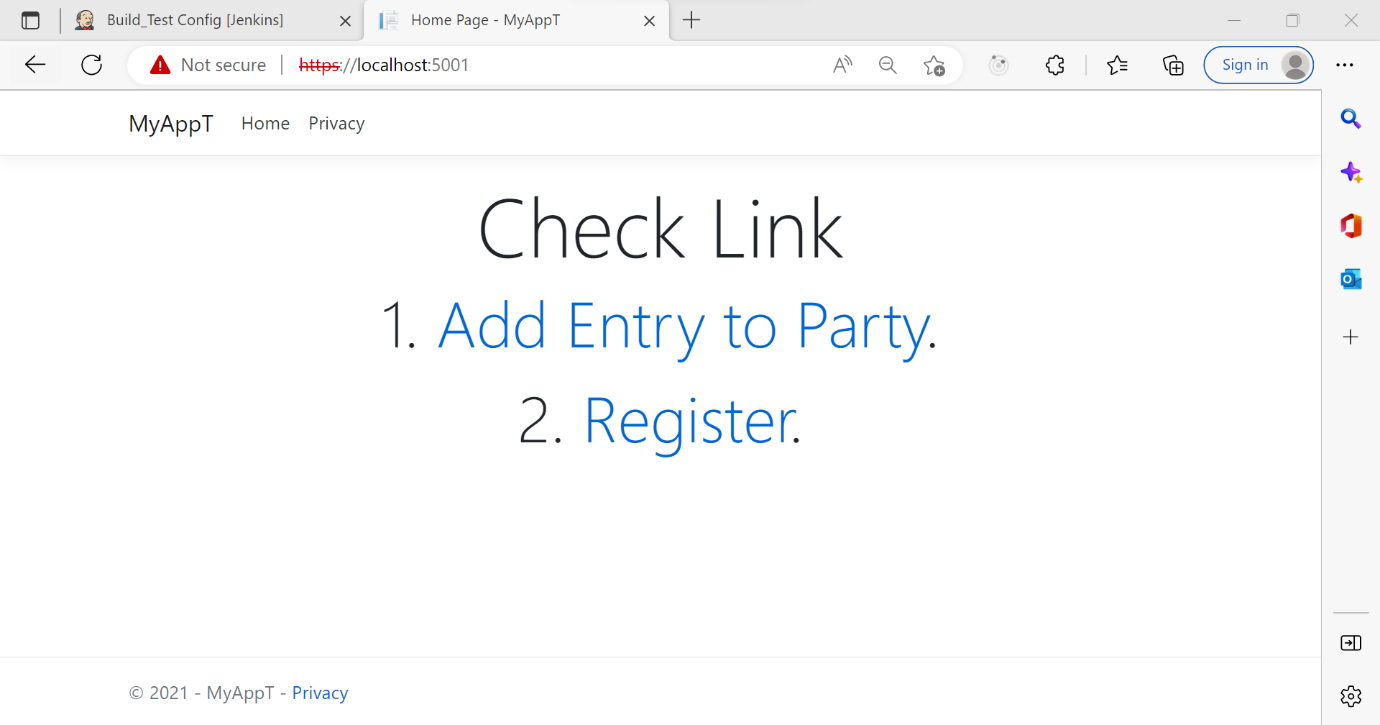
}

}

****

**Console output:-**

****

****

1. **Create freestyle Jenkins pipeline to build and deploy a .NET Core API/Web App using Docker**

Select new item from the Dashboard. Provide Job name and select Freestyle project.

**Graphical user interface, text, application, email

Description automatically generated**

Provide git URL along with credentials.

**Graphical user interface, application

Description automatically generated**

Select required branch.

Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated

Console output:-

**Graphical user interface, text, application, email

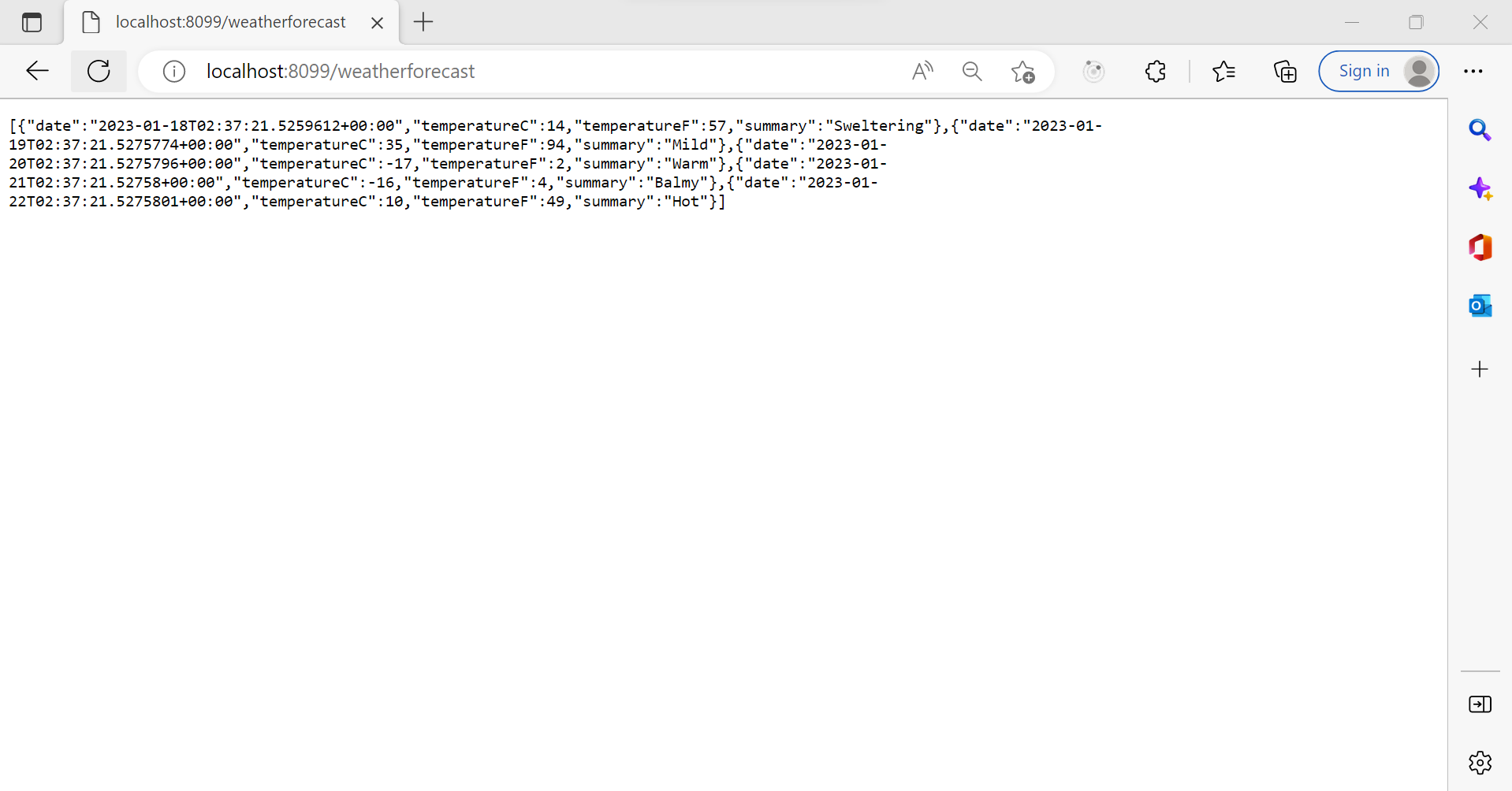
Description automatically generatedGraphical user interface, text, application, email

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Description automatically generated**

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**Graphical user interface, text, application

Description automatically generated**