The Aim of this project is to create a web application and testing the application

using Nunit and publish the project in Azure.

 First I opened visual studio and created a Asp.Net core MVC project.

 In the Project I created models, in that i added two classes named Pizza.cs and

Order.cs.

 In that classes I gave properties to each class.

 After adding the classes and their properties I added the controller named called

PizzaController .cs

 In the Pizza Controller I gave list named pizzadetails .Then I added some methods

called cart and Checkout methods in the controller.

 In that methods I added the redirect action when we click on add to cart and

checkout buttons.

 Ater that I Added views to index ,Cart and Checkout pages as index.cshtml

,Cart.cshtml ,CheckOut.cshtml pages .

 Now in layout I gave a link for Pizza .Now I build and run the solution and check the

output.

 Now I added a unit test and added the Nunit and Nunit3Testadapter nuget packages

to the project .

 Then I write three testmethods for testing for the pizza web application.

 Then I run the all test test all test got passed and succeded.

 Next, to add the code in Github, I created a code repository in my GitHub Account

 Next I opened GitBash in the folder and I did the Following Steps:

$ “git init”

$ “git status“

$ “git add . “

$ “git status“

$ “git commit –m ‘’phase4project “

Add Remote Origin:

$ git remote add origin

$ “git push -u origin master“ to push the committed code to the GitHub repository

After the above command executed the project files are added to the git Repository.

 Next for deploying to jenkins I opened the browser and searched for Jenkins

http://localhost:8080/

 I logged into Jenkins with my username and password I created a project by

selecting freestyle.

 I gave some description and selected git option and pasted git my repository link in it

selected pool for automatic build when we done some changes in the project.

 Now I wrote buid steps to build

 At last I saved the configurations and Next i build the solution for output.

 As a result the testing run successfully and the project is deployed via Jenkins

 Next I opened the Azure portal and I loged into it with credentials.

 I opened Azure Portal in that I created a new Web App resource .

 I gave resource group name and in name I gave some unique name , publish should

be code, OS is windows .

 Set the basic plan is BasicB1.

 Now create the webapp resource.

 Now download the Download Publisher from webapp resource

 Now I opened vs project and rightclick on project name and clicked publish ,in

publish I clicked import file ,in that I browse the location of the download publisher

and published the project to webapp resource of AzurePortal

 As a result it is successfully deployed to Azure

 As a result we create a web application and tested the application using Nunit and

published the project in Azure