

Write Up

Part 1: Open Visual Studio.

Create a new ASP.NET Core Web Application.

Add three cshtml pages for Pizza selection, Order Checkout, and Order Confirmation.

Part 2: Windows Class Library and Testing

Create Windows Class Library:

Add a new project to your solution for Windows Class Library.

Reference this library from your ASP.NET Core project.

Configure NUnit and SpecFlow:

Install necessary NuGet packages for NUnit and SpecFlow.

Configure SpecFlow for your project.

Write Test Cases:

Write test cases using SpecFlow Gherkin syntax.

Implement step definitions using NUnit for the test cases.

Run Test Cases:

Use a Test Runner (like NUnit Console Runner) to execute your test cases.

Part 3: Azure VM Setup

Create Azure VM:

Log in to Azure Portal.

Create a new Virtual Machine.

Install necessary dependencies (e.g., .NET Core, IIS).

Part 4: Jenkins Setup

Install Jenkins:

Set up Jenkins on your local machine or another server.

Create a Jenkins Job:

Configure Jenkins to pull your project from version control (e.g., GitHub).

Set up build steps to compile your ASP.NET project.

Deploy to Azure:

Use Azure CLI or PowerShell commands to deploy your application to the Azure VM.

Integrate deployment steps into Jenkins job.

Schedule Build and Deployment:

Set up a scheduled build and deployment in Jenkins.

Azure Configuration:

Configure appropriate security settings and network configurations on Azure.

Monitoring:

Implement logging and monitoring for your deployed application.

Git Hub Link:

<https://github.com/NakkaAnilkumar/CourseEndPizza-Phase4>