ASP.NET Core 3 Homework 04

Chapter 04, Pro ASP.NET Core 3

1 Readings

Read chapter 04, in the Pro ASP.NET Core 3 book.

2 Class Discussion Questions

Your written homework is due as directed. Format your homework in MarkDown. Be prepared to discuss

each of the following questions is class.

3 Homework Questions

1. What are the .NET SDK command line tools used for? Is their use required? Why or why not?

To provide access to all the features required for ASP.NET Core development, regardless of which editor/IDE you have chosen. No.

1. What kind of applications do the following templates create? Run these commands and read the

documentation. A brief summary of each template is sufficient.

dotnet new console –help – generate a standard console application

dotnet new mvc –help – creates a new project, file, or solution based on the specified template

dotnet new web –help – creates a project that is set up with the minimum code and content required for ASP.NET Core Development

1. What, specifically, do the following commands do?

dotnet new globaljson --sdk-version 3.1.101 --output MySolution/MyProject - The first command creates a MySolution/MyProject folder that contains a global.json file, which specifies that the project will use .NET Core version 3.1.1.

dotnet new web --no-https --output MySolution/MyProject --framework netcoreapp3.1 - The second command creates the project using the web template, The --no-https argument creates a project without support for HTTPS, The --framework argument selects the .NET Core runtime that will be used for the project.

dotnet new sln -o MySolution

dotnet sln MySolution add MySolution/MyProject - - A MySolution.sln file is created in the MySolution folder

1. What is the purpose of the global.json file?

It allows you to define which .NET Core SDK version is used when you run .NET Core CLI commands.

1. What does the method app.UseStaticFiles() do?

Adds StaticFiles middleware into the request pipeline

1. What do the following two commands do?

dotnet build – used to build the project

dotnet run – used to build and run the project

1. (not in book) You can manage packages using the NuGet package manager and the command line tool

dotnet add package. What are packages and what are they used for.

Provides the ability to produce and consume packages

1. What are tool packages and what are they used for?

Install commands that can be used from the command line to perform operations on .Net Core projects

1. What are server side packages and what are they used for?
2. What are client side packages and what are they used for?

Contain content that is delivered to the client, such as images, CSS stylesheets, and JavaScript files.

1. List two ways that a developer can debug code.

Debug tool or Console.WriteLine