

ASP.NET Core 3 Homework 09

Chapter 09, Pro ASP.NET Core 3

1 Readings

Read chapter 09, 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 in class.

3 Homework Questions

1. The text contains the following:

I defined a `Cart` model class in the previous chapter and demonstrated how it can be stored using the session feature, allowing the user to build up a set of products for purchase. The responsibility for managing the persistence of the `Cart` class fell to the `Cart Razor Page`, which has to deal with getting and storing `Cart` objects as session data.

The problem with this approach is that I will have to duplicate the code that obtains and stores `Cart` objects in any other `Razor Page` or controller that uses them.

In your own words, describe the “problem” the author identifies and explain why the proposed solution is not satisfactory.

2. What are *services*, and how do they work.
3. (Not in book) The author states, “The static `GetCart` method is a factory for creating `SessionCart` objects and providing them with an `ISession` object so they can store themselves.” What does he mean by calling the `GetCart` method a *factory*?
4. What does the `AddScoped` method do?
5. How is an HTML form element with a tag handler of `asp-page-handler` programmed to execute the functionality exposed by the form?
6. What does the `BindNever` attribute do? Why is it useful?
7. What does the tag helper `<asp-for>` do?
8. Using Entity Framework, how do you add a new model to your database?
9. What, specifically, does this command do: `dotnet ef migrations add Model`?
10. How does Entity Framework understand to load data that is contained in multiple tables? For example, suppose you want to load data from both `Orders` and `Order.Details`. What LINQ methods accomplish this?
11. Why do we validate data on the client side? Why do we validate data on the server side? What are the advantages and disadvantages of client side validation and server side validation?