ASP.NET Core 3 Homework 05

Chapter 05, Pro ASP.NET Core 3

1   Readings

Read chapter 05, 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 is the purpose of the *null conditional operator*? Does it apply to value types or reference types? Why or why not?

2. What is the *null coalescing operator*? What does it do?

3. How is the null conditional operator different from a *nullable type*? What is the purpose of nullable types?

4. When you create an automatic property and initialize the property with a value, can the value be changed later? Can another value be assigned to the property? Can the value be changed in the constructor?

5. What is an *object initializer* and what is it for? What is an *collection initializer* and what is it for?

6. What does the *is* keyword do?

7. How are *extension methods* defined?

8. What is *implicit typing* or *type inference*? How do you implement it?

9. What is a *default implementation of an interface*? What is the purpose of a default implementation of an interface?

10. What are *asynchronous methods*? Why should we use them? How are they used?

11. When you use the *await* keyword, do you have to use the *async* keyword? Why or why not?

12. (not in book) What is the *yield* keyword used for? How do you use it?

13. What is the effect of using the `nameof()` expression?