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?

It allows for null values to be detected more elegantly. Traditionally, dealing with null values requires making an explicit check, which can become tedious and error-prone when both an object and it’s properties need to be inspected. The null conditional operator makes this process simpler and more concise.

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?