

Homework Chapter 04, ISTA-322

ISTA-322, ASP.NET MVC

Readings

Read chapter 4, pages 67 – 94 in the *Pro ASP.NET MVC 5* book.

Discussion Questions

Answer the discussion questions in writing for chapter 4.

1. Using *automatic properties* is a shortcut that avoids several explicit steps. List the steps that the use of automatic properties avoids.
2. Using the *object initializer* syntax is a shortcut that avoids several explicit steps. List the steps that the use of object initializers avoids.
3. What is the purpose of creating *extension methods*?
4. What is the one feature of extension methods that will always allow you to identify a method as an extension method?
5. How do you create an extension method that filters the results returned by the method on a user specified criterion?
6. Explain the syntax of a *lambda expression*. The term “lambda expression” originates in the lambda calculus developed by the mathematician Alonzo Church in the 1930’s. There is a class of programming languages that are based on the fundamental ideas of lambda calculus.
7. This will require some outside research. What is the distinction between an *anonmously typed variable* and a *dynamically typed variable*?
8. You are having a discussion about C# with a friend of yours that uses another language. You are tellig him about C#’s LINQ library. How would you describe to him the difference between LINQ’s SQL-like notation and LINQ’s dot notation?
9. What, exactly, does the *await* keyword do?
10. What is the connection between *await* and the *async* keywords?