

ASP.NET MVC, Term 2

Professional ASP.NET MVC 5, Chapter 9

October 29, 2017

1. In a nutshell, what is Chapter 9 about? A one word answer “routing” is not a sufficient answer. Explain what routing is, what it does, and its role in ASP.NET MVC.
2. What is the difference (as described in the book) between traditional web applications and applications built with MVC frameworks?
3. What two approaches to routing does ASP.NET take? Explain the difference between them.
4. What are the two locations for the placement of attribute routes?
5. Where is the *RegisterRoutes* method defined? What is its type and parameters? What is its visibility and scope?
6. At its core, what is the job of a route?
7. How do you code dynamic behavior into routes? Be specific.
8. What are *route constraints*? Be specific. Give an example of the usage of a constraint and include the program code for the constraint.
9. What are *route defaults*? Be specific. Give an example of the usage of a constraint and include the program code for the constraint.
10. What are *optional route patterns*? Be specific. Give an example of the usage of a constraint and include the program code for the constraint.
11. Where is the central location for placement of traditional routes?
12. What purpose do *loteral values* serve in specifying routes?
13. In traditional routing, how do you specify that a route parameter is optional. Be specific — include the name of the variable or method.
14. (Not in the book) Write a regular expression that would recognize all of these dates as a valid route parameter: 2017/10/31, 17/10/31, 2017/OCT/31, 17/Oct/31, and 17/October/31.
15. How do you combine traditional routing and attribute routing?
16. How do you dynamically generate a hyperlink from within a view using named routes?
17. How would you create a web application more than two layers deep? Note that the **controller/action** syntax only permits two layers of the application. Suppose you wanted four layers, such as (for example) **Catalog/Books/Technology/Microsoft/id?**.
18. What is the difference between the way that traditional routing and attribute routing handle multiple route parameters in a segment?