

Programming Microsoft ASP.NET MVC

Chapter 07: Design considerations for ASP.NET MVC controllers

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Q1. Which one is NOT the responsibility of the controllers in a MVC Applications?

- A. getting posted data
- B. executing the related action
- C. preparing and requesting the view
- D. rendering the view

Answer: D

Q2. Which component of a MVC Applications is comparable to the code-behind class in Web Forms applications?

- D. ViewModel

Answer: D

Q3. In Responsibility-Driven Design (RDD), what is the role of a service provider?

- A. Holds (or knows how to get) information and provides information.
- B. Performs a particular action upon request
- C. Manages relations between objects
- D. Represents a façade to implement communication between objects.

Answer: B

Q4. In Responsibility-Driven Design (RDD), what is the role of an Interfacier?

- A. Holds (or knows how to get) information and provides information.
- B. Performs a particular action upon request
- C. Manages relations between objects
- D. Represents a façade to implement communication between objects.

Answer: D

Q5. Which one of the following represents the data model you have in the presentation layer?

- A. Service provider
- B. View
- C. ViewModel
- D. ModelBuilder

Answer: C

Q6. Which one of the following is used to pass data around layers in MVC applications?

- A. Domain Object
- B. View
- C. ViewModel

D. **DTO**

Answer: D

[data-transfer object]

Q7. What are the ways to inject dependencies into a class?

- A. Using the constructor
- B. Using a settable property
- C. Using the parameters of a method
- D. Using an interface

Answer: A, B, C

Q8. What one is the best way to inject dependencies into a class **when the dependency is optional?**

- A. Using the constructor
- B. Using a settable property
- C. **Using the parameters of a method**
- D. Using an interface

Answer: C

Q9. Where do you register a custom controller factory in your MVC application?

- A. **In the Application_Start method of the Global.aspx file?**
- B. In the Configure method of the OWIN startup file
- C. In the Web.config file
- D. In the _ViewStart.chnml file

Q10. Which method you should override of the **DefaultControllerFactory** class, at a minimum, to create a Unity-based custom controller?

- A. CreateController
- B. **GetControllerInstance**
- C. GetControllerType
- D. ReleaseController

Answer: B