

Programming Microsoft ASP.NET MVC

Chapter 05: Input forms

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Q1. Which one is used in ASP.NET Web forms applications but not supported in MVC applications?

- A. Ajax
- B. Sessions
- C. Server control
- D. Output caching

Answer: C

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Q2. Which state management feature is supported in ASP.NET Web applications but not in MVC applications?

- A. Application state
- B. Session state
- C. View state
- D. Cookie

Answer: C

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Q3. Which component in ASP.NET MVC applications allows you to automatically generate HTML for creating functional viewers and editors for any primitive or complex type?

- A. Route
- B. View and partial view
- C. Model binder
- D. Html helpers

Answer: D

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Q4. What are the two main patterns of input forms?

- A. Get-and-Post and Get-Edit-Post
- B. Select-and-Post and Select-Edit-Post
- C. Edit-and-Post and Select-Edit-Post
- D. Edit-and-Post and Edit-Validate-Post

Answer: C

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Q5. In your view you have created a former like below

```
<form method="post" action="/Customers/Search">  
  Country: <input type="text" name="txtCountry" />  
  <input type="submit" value="Search" />  
</form>
```

Now which action method will not bind posted data?

- A. `public ActionResult Search(string country){/*code*/}`
- B. `public ActionResult Search(string txtCountry){/*code*/}`
- C. `public ActionResult Search([Bind (Prefix="txtCountry")]string country){/*code*/}`

D. [HttpPost]public ActionResult Search(string txtCountry){/*code*/}

Answer: A

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Parameter name must match with input field name for default binder to work.
You can Bind attribute to instruct which input field to bind with parameter]

Q6. Which Html helper do you use to generate a form in a view?

- A. Html.Form
- B. Html.RenderForm
- C. Html.BeginForm
- D. Html.CreateForm

Answer: C

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Q7. You created a form in Edit.cshtml view for the Edit action of the Trainees controller. Your code is like below

using (Html.BeginForm ()){

..
}

How the form will be submitted?

- A. To the Edit action of the Trainees controller via post method
- B. To the Edit action of the Trainees controller via get method
- C. To the Edit action of the default controller via get method
- D. To the Edit action of the default controller via post method

Answer: A

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Default is post. If not specified form action url will be the same as action name which rendered the view]

Q8. Which helper is used to render a partial view inside a view?

- A. Html.Partial
- B. Html.RenderPartial
- C. Html.Render
- D. Html.RenderSection

Answer: A, B

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Q9. You want to render a partial view _partialView.cshtml inside a view page. Which one of the following is **not** a valid syntax?

- A. @Html.Partial("_partialView")
- B. @Html.RenderPartial("_partialView")
- C. @{ Html.RenderPartial("_partialView"); }
- D. @string view="_partialView"; }

Answer: B

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Html.Partial returns MvcString and Html.RenderPartial is void. Html.RenderPartial must be in code block within @{ }

Q10. Which Html helper displays any message that originates as a result of invalid values being entered in the field?

- A. ErrorMessage
- B. Error
- C. Validation
- D. ValidationMessage

Answer: D

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Q11. Which dictionary collection stores messages that relate to the state of the model behind the view?

- A. ViewBag
- B. ViewData
- C. TempData
- D. ModelState

Answer: D

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Q12. Which dictionary collection stores data for two consecutive request?

- A. ViewBag
- B. ViewData
- C. TempData
- D. ModelState

Answer: C

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Q13. Which Html helper creates predefined editable form input fields based on the type of model data passed to it?

- A. Html.EditorXxx
- B. Html.DisplayXxx
- C. Html.TextBoxXxx
- D. Html.BeginForm

Answer: A

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Q14. How templated helpers decide how to display or edit your data?

- A. By using the data type of class members
- B. By using metadata associated with class members
- C. By using reflection api to access class members
- D. By using templates associated with class members

Answer: B

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Q15. Which data annotations attribute is to indicate the type of data will be editing through the member?

- A. Type
- B. DataType
- C. Column
- D. Format

Answer: B
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Q16. Which one is not a supported data type of the DataType enumeration?

- A. Text
- B. Password
- C. MultilineText
- D. Url

Answer: A
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Q17. Which data annotations attribute is to indicate the name of the custom HTML template to use when displaying or editing the value?

- A. DataType
- B. Display
- C. DisplayName
- D. UIHint

Answer: D
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Q18. How the boolean data is made editable by default editor?

- A. Radio button
- B. Checkbox
- C. Drop down
- D. Text box

Answer: B
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Q19. How the nullable Boolean value is made editable by default editor?

- A. Radio button
- B. Checkbox
- C. Dropdown
- D. Tri-state dropdown

Answer: D
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Q20. For which data type no predefined display template does not exist?

- A. Decimal
- B. Date
- C. EmailAddress
- D. Html

Answer: B
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Predefined display templates exist for the following data types: Boolean, Decimal, EmailAddress, HiddenInput, Html, Object, String, Text, and Url.]

Q21. For which data type no predefined editor does not exist?

- A. Decimal
- B. Date

-
- C. Object
 - D. MultilineText

Answer: B

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ASP.NET MVC provides a few predefined editors for Boolean, Decimal, HiddenInput, Object, String, Password, and MultilineText.]

Q22. Which annotation is used to indicate which custom editor template to use for editing the value of the class members?

- A. DataType
- B. Display
- C. DisplayName
- D. UIHint

Answer: D

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Q23. What are the main categories of data annotations attribute?

- A. Format and Validation
- B. Display and Validation
- C. Display and Error trapping
- D. Display and Format

Answer: B

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Q24. What is the main purpose of a data annotation attribute for validation?

- A. Express a logic to verify on a model class
- B. Express a condition to verify on a model class
- C. Specify the method to verify on a model class
- D. Specify the formatting rule to apply on a model class

Answer: B

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Q25. Which data annotations attribute checks whether the value can be matched to any of the values in the specified enumerated type?

- A. Range
- B. RegularExpression
- C. EnumDataType
- D. Enum

Answer: C

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Q26. What type of data the Range data annotations attribute can work on?

- A. Number
- B. Number and string
- C. Number and date
- D. Number and boolean

Answer: C

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Q27. Which data annotations attribute should you use to validate the value through an Ajax call to a server-side function?

- A. CustomValidation
- B. RegularExpression
- C. Remote
- D. Required

Answer: C

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Q28. Which class all the data annotations attribute inherit from?

- A. ValidatableObject
- B. ValidationAttribute
- C. Validation
- D. Validator

Answer: B

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Q29. How do you **declaratively** apply input validation on members of a model class?

- A. Implement the IValidatableObject in you model class
- B. Add Validation logic to setters of the public properties of the model class
- C. Decorate the public properties of the model class with data annotations attribute
- D. Use custom methods to validate

Answer: C

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Q30. What does the model binder do when it finds an error while binding posted values to properties of the model class instance?

- A. It throws exception which is handles global error handler method
- B. It immediately creates exception instance and returns HttpStatusCodeResult with status code 500
- C. It creates an entry in the Errors collection of the ModelState dictionary
- D. It sets all the public members of the model class instance to null

Answer: C

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Q31. Look at the property decoration of a model class

```
[StringLength(50)]  
public String Text { get; set; }
```

Now, what validation rule is applied to the value of the property?

- A. Text property can be within 1 to 50 characters
- B. Text property can be within 0 to 50 characters
- C. Text property must not be less than 50 characters
- D. Text property must contain exactly 50 characters

Answer: B

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StringLength (length) - here length is maximum length]

Q32. Look at the property decoration of a model class

```
[Range(1, 5)]
```

```
public Int32 Rating { get; set; }
```

Now, what is the acceptable value of the Rating property?

- A. 1 to 5
- B. 1 to 4
- C. 2 to 5
- D. 2 to 4

Answer: A

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Range - extreme values are included]

Q33. You want a property value of a model class be 4 to 20 characters long.

How should you decorate the property?

- A. [StringLength(4, 20)]
- B. [StringLength(20, 4)]
- C. [StringLength(4, MaximumLength=20)]
- D. [StringLength(20, MinimumLength=4)]

Answer: D

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StringLength (MaximumLength)

StringLength (MaximumLength, MinimumLength=number)

StringLength (MaximumLength, MinimumLength=number,ErrorMessage="string")]

Q34. Which property of data annotations attributes is used to specify what message to display when validation fails?

- A. Message
- B. Error
- C. ErrorMessage
- D. ValidationMessage

Answer: C

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Q35. How do you apply self-validation to your model class?

- A. Create a custom attribute inheriting from the ValidationAttribute class
- B. Implement the IValidatableObject interface in your model class
- C. Implement the IClientValidatable interface in your model class
- D. Add Validate method in your class

Answer: B

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