

# Programming Microsoft ASP.NET MVC

## Chapter 05: Input forms

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**16 May 2019**

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

[Page: 103]

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

[Page: 103]

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

[Page: 103]

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

[Page: 104]

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*/}`

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

Answer: A

[Page: 105]

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

[Page: 106]

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

[Page: 107]

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

[Page: 108]

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

[Page: 108]

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

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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

[Page: 109]

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

[Page: 110]

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

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

Answer: C

[Page: 115]

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

[Page: 117]

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

[Page: 117]

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

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Answer: B  
[Page: 118]

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

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

Answer: A  
[Page: 118]

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  
[Page: 118]

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

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

Answer: B  
[Page: 119]

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  
[Page: 119]

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

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

Answer: B  
[Page: 120]

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

[Page: 121]

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

[Page: 122]

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

[Page: 130]

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

[Page: 131]

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

[Page: 131]

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

[Page: 131]

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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

[Page: 131]

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

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

Answer: B

[Page: 131]

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

[Page: 132]

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

[Page: 132]

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

[Page: 132]

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

[Page: 132]

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

[Page: 132]

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

[Page: 134]

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

- A. Create a customer 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

[Page: 142]