**Chapter 11: How to validate data**

**Murach's ASP.NET Core MVC**

**MULTIPLE CHOICE**

1. When a view posts data, an action method can use the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ property of the controller class to check whether all values in the model are valid.

| a. | ViewBag |
| --- | --- |
| b. | ModelState |
| c. | Model |
| d. | ValidationModel |

2. Which data attribute can you use to indicate that a property in a model class must not be an empty value?

| a. | NotNull |
| --- | --- |
| b. | NonNullable |
| c. | Range |
| d. | Required |

3. Which of the following is NOT a common data attribute used for validation?

| a. | Password |
| --- | --- |
| b. | Range |
| c. | Compare |
| d. | StringLength |

4. Which of the following is a tag helper that displays validation messages?

| a. | asp-for |
| --- | --- |
| b. | asp-message |
| c. | asp-validation-summary |
| d. | asp-validation-messages |

5. Which of the following is a property of the ModelState property that you can use to check whether the model stores valid data?

| a. | IsRequired |
| --- | --- |
| b. | IsValid |
| c. | IsCorrect |
| d. | IsValidated |

6. When data validation fails for an <input> element and MVC emits the HTML result, what CSS class does MVC add to the <input> element?

| a. | input-failure |
| --- | --- |
| b. | input-verificantion |
| c. | input-validation-error |
| d. | validation-input-error |

7. What method of the ModelState class can you use to add a validation message?

| a. | AddModelError() |
| --- | --- |
| b. | AddErrorMessage() |
| c. | AddValidationMessage() |
| d. | SetError() |

8. Which ValidateSummary enum value can you use to display model-level validation messages, not property-level messages?

| a. | All |
| --- | --- |
| b. | None |
| c. | NoProperty |
| d. | ModelOnly |

9. Which of the following JavaScript libraries is typically used to as part of the client-side data validation?

| a. | jQuery UI |
| --- | --- |
| b. | Bootstrap validation |
| c. | jQuery validation |
| d. | Popper.js |

10. What type of validation isn’t essential but can reduce workload on the server and decrease the necessity of multiple round trips to the server?

| a. | server-side validation |
| --- | --- |
| b. | client-side validation |
| c. | query-based validation |
| d. | database validation |

11. To create a custom attribute for server-side validation, you should write a class that inherits the \_\_\_\_\_\_\_\_\_\_\_\_ class.

| a. | Newtonsoft.Json |
| --- | --- |
| b. | ValidityBase |
| c. | ValidationContext |
| d. | ValidationAttribute |

12. To enable remote validation on the server, you can add the \_\_\_\_\_\_\_\_\_\_\_\_\_ attribute to a property in the model class.

| a. | Remote |
| --- | --- |
| b. | JsonResult |
| c. | ValidationAttribute |
| d. | AdditionalFields |

13. One step in creating custom client-side validation is to add \_\_\_\_\_\_\_\_\_\_\_\_\_\_ attributes.

| a. | data-new-\* |
| --- | --- |
| b. | data-val-\* |
| c. | data-context-\* |
| d. | data-test-\* |

14. What does MVC do if it can’t cast an HTTP request value to the data type of its action method parameter?

| a. | It throws an exception. |
| --- | --- |
| b. | It returns a 404 error. |
| c. | It redirects to the Home page. |
| d. | It adds an error message to the ModelState property. |

15. Which of the following is a tag helper that displays a property-level validation message?

| a. | asp-for |
| --- | --- |
| b. | asp-for-validation |
| c. | asp-property |
| d. | asp-property-validation |