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QUIZ

Started on Tuesday, 16 January 2024, 11:01 AM**State** Finished**Completed on** Tuesday, 16 January 2024, 11:13 AM**Time taken** 12 mins 24 secs**Question 1**

Complete

Marked out of 1.00

How can you enforce both authentication and authorization for a specific action in ASP.NET MVC?

- ☐ a. Use [Authorize] attribute with Users parameter
- ☐ b. Use both [Authorize] and [ValidateAntiForgeryToken] attributes
- ☐ c. Use [AllowAnonymous] attribute
- ☒ d. Use [Authorize] attribute with Roles parameter

Question 2

Complete

Marked out of 1.00

How is data stored in ViewData in ASP.NET MVC?

- ☐ a. Using a ViewBag property
- ☐ b. Using a strongly-typed model
- ☐ c. Using a session variable
- ☒ d. Using a key-value pair

Question 3

Complete

Marked out of 1.00

In MVC, what is the role of the Model?

- ☐ a. Represents the user interface components
- ☒ b. Manages data and business logic
- ☐ c. Handles user interface and user input
- ☐ d. Controls the flow of the application

Question 4

Complete

Marked out of 1.00

What does MVC stand for in the context of software architecture?

- ☐ a. Master-View-Command
- ☐ b. Multi-View-Container
- ☐ c. Modular-View-Controller
- ☒ d. Model-View-Controller

Question 5

Complete

Marked out of 1.00

What does the [Range] attribute in ASP.NET MVC validate?

- ☐ a. Date and time
- ☐ b. Length of a string
- ☐ c. Numeric range
- ☒ d. Regular expression pattern

Question 6

Complete

Marked out of 1.00

What is a delegate in C#?

- ☐ a. A type of exception
- ☐ b. A data type that stores integers
- ☐ c. A class for handling exceptions
- ☒ d. A reference type that holds a reference to a method

Question 7

Complete

Marked out of 1.00

What is a Task in C#?

- ☒ a. A lightweight thread
- ☐ b. A database connection
- ☐ c. A graphical user interface element
- ☐ d. A network protocol

Question 8

Complete

Marked out of 1.00

What is LINQ?

- ☐ a. Linked Interchangeable Query
- ☐ b. Lightweight Integration and Query
- ☒ c. Language-Integrated Query
- ☐ d. List and Integer Query

Question 9

Complete

Marked out of 1.00

What is the purpose of the [Authorize] attribute in ASP.NET MVC?

- ☐ a. To enable cross-site scripting protection
- ☐ b. To define a custom validation rule
- ☒ c. To mark a controller or action as requiring authentication
- ☐ d. To specify the layout of a view

Question 10

Complete

Marked out of 1.00

What is the purpose of the await keyword in C# Task-based asynchronous programming?

- ☐ a. To start a new Task
- ☐ b. To create a background thread
- ☐ c. To catch exceptions in a Task
- ☒ d. To wait for the completion of an asynchronous operation

Question 11

Complete

Marked out of 1.00

What is the purpose of the finally block in a try-catch-finally structure?

- ☐ a. To throw an exception
- ☒ b. To specify code that will always execute
- ☐ c. To ignore exceptions
- ☐ d. To handle exceptions

Question 12

Complete

Marked out of 1.00

What is the purpose of the First() method in LINQ?

- ☐ a. Returns the first element of a sequence
- ☐ b. Groups the elements in the sequence
- ☐ c. Filters the sequence based on a condition
- ☐ d. Projects the elements into a new form

Question 13

Complete

Marked out of 1.00

What is the purpose of the Thread.Sleep() method in C# threading?

- ☐ a. Creates a new thread
- ☐ b. Resumes the current thread
- ☐ c. Terminates the current thread
- ☒ d. Pauses the current thread for a specified time

Question 14

Complete

Marked out of 1.00

What is the type of ViewBag property in a controller action?

- ☐ a. Dynamic
- ☐ b. List<object>
- ☒ c. Dictionary<string, object>
- ☐ d. ViewDataDictionary

Question 15

Complete

Marked out of 1.00

Which keyword is used to catch exceptions in C#?

- ☐ a. throw
- ☐ b. try
- ☐ c. handle
- ☒ d. catch

Question 16

Complete

Marked out of 1.00

Which keyword is used to declare a delegate in C#?

- ☒ a. delegate
- ☐ b. func
- ☐ c. action
- ☐ d. method

Question 17

Complete

Marked out of 1.00

Which keyword is used to when a method return type marked as Task in C#?

- ☒ a. async
- ☐ b. new
- ☐ c. task
- ☐ d. create

Question 18

Complete

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Which of the following LINQ operators is used for aggregation?

- ☐ a. Select()
- ☐ b. GroupBy()
- ☐ c. Aggregate()
- ☒ d. Where()

Question 19

Complete

Marked out of 1.00

Which of the following roles can be specified with the [Authorize] attribute in ASP.NET MVC?

- ☐ a. Admin
- ☐ b. Moderator
- ☒ c. All of the above
- ☐ d. User

Question 20

Complete

Marked out of 1.00

Which validation attribute in ASP.NET MVC is used to ensure that a property value is required?

- ☐ a. [NotEmpty]
- ☐ b. [Validate]
- ☒ c. [Required]
- ☐ d. [Mandatory]