Started on	Monday, 15 March 2021, 6:11 PM
State	Finished
Completed on	Monday, 15 March 2021, 6:21 PM
Time taken	10 mins 21 secs
Grade	**7.00** out of 10.00 (**70**%)

Question 1

Incorrect

Mark 0.00 out of 1.00

Visual Studio allows us to create different types of *projects* inside *solutions*, but a *solution* can only contain a single *project*. True or false?

Select one:

○ True ✘

○ False

The correct answer is 'False'.

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following frameworks is already installed and loaded when we create a .NET Web Application with Visual Studio?

Select one:

○ a. Materialize

◉ b. Bootstrap ✔

○ c. Pure

○ d. Tailwind

Your answer is correct.

The correct answer is: Bootstrap

Question 3

Correct

Mark 1.00 out of 1.00

Which of the following sentences best describes JSON?

Select one:

◉ a. A text-based format used to store and represent structured data. ✔

○ b. A set of objects that provide access to an SQL Server database.

○ c. A package we can install using NuGet Package Manager.

○ d. A framework that allows us to embed JavaScript into our C# projects.

Your answer is correct.

The correct answer is: A text-based format used to store and represent structured data.

Question 4

Correct

Mark 1.00 out of 1.00

NuGet is the official package manager for .NET, and provides a platform and tools to help developers create, publish and use packages.

With Visual Studio, the only way we can install packages is using the Package Manager Console (a command line interface embedded into Visual Studio). True or false?

Select one:

○ True

◉ False ✔

The correct answer is 'False'.

Question 5

Correct

Mark 1.00 out of 1.00

Which of the following technologies allow us to connect to databases and manipulate our data without writing much database code?

Select one:

○ a. NuGet Package Manager

◉ b. Entity Framework ✔

○ c. MVC

○ d. LINQ

Your answer is correct.

The correct answer is: Entity Framework

Question 6

Correct

Mark 1.00 out of 1.00

MVC is an approach (or design pattern that separates an application into three logical components. Match the components below to the description that best explains what they do.

Manages the application data and business logic. | Model ⬍ | ✔

Receives requests and calls the appropriate resources to carry them out. | Controller ⬍ | ✔

Represents information to the user in a particular way. | View ⬍ | ✔

Your answer is correct.

The correct answer is: Manages the application data and business logic. → Model, Receives requests and calls the appropriate resources to carry them out. → Controller, Represents information to the user in a particular way. → View

Question 7

Correct

Mark 1.00 out of 1.00

When applying the MVC framework to .NET Web Applications, what is a controller?

Select one:

- ○ a. A page.
- ○ b. A lambda expression.
- ◉ c. A class. ✔
- ○ d. A method.

Your answer is correct.

The correct answer is: A class.

Question 8

Incorrect

Mark 0.00 out of 1.00

All methods defined in a Controller are action methods. True or false?

Select one:

- ◉ True ✘
- ○ False

Only public methods defined in a controller are action methods.

The correct answer is 'False'.

Question 9

Correct

Mark 1.00 out of 1.00

Which of the following technologies used in .NET Web Applications allow us to mix client-side markup (such as HTML) and server-side code (such as C#) easily?

Select one:

- ○ a. JSON
- ○ b. API
- ○ c. JQuery
- ◉ d. Razor ✔

Your answer is correct.

The correct answer is: Razor

Question 10

Incorrect

Mark 0.00 out of 1.00

Data is often passed from one method to another using ViewBag or ViewData. True or false?

Select one:

- ◉ True ✘
- ○ False

ViewBag and ViewData are used to pass data from a Controller to a View.

The correct answer is 'False'.

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