

Final Exam

Due May 21 at 11:59pm**Points** 25**Questions** 25**Available** May 15 at 6am - May 21 at 11:59pm 7 days**Time Limit** 90 Minutes

Instructions

The Final Exam will cover all the material we have learned during this semester!

You will have 90 minutes to complete the exam.

It will have 25 multiple-choice or true/false questions.

Once you start the exam, the clock will be ticking to let you know how much time you have left!

You can use your notes, the World Wide Web, and the lectures from the class. Canvas has some tools that help us verify that you have done this task alone.

You will only be able to see the correct answers from 05/22/19 on.

THIS FINAL EXAM WILL NOT BE REOPENED!

This quiz is no longer available as the course has been concluded.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	71 minutes	15 out of 25

Score for this quiz: **15** out of 25

Submitted May 19 at 3:11pm

This attempt took 71 minutes.

Question 1	1 / 1 pts
When you create an aspx page in Visual Studio, no matter the size of the	

page and even the controls you used in the page, but once you save it as a web form (aspx) it will be processed by the web server first before being sent to the browser

Correct!

☒ True

You got the basic concept of aspx pages

☐ False

Question 2

1 / 1 pts

When we open Visual Studio 2013 and select **File** and then **New Project** from the menu, you will be given a pop up screen called "**New Project**". Choose the correct affirmation about that screen:

Correct!

☒

You will be able to modify the location that your project will be saved and give the name of the project on that pop-up window

That's correct

☐

You will not be able to choose between using Visual Basic or Visual C# in that page

☐ None of the answers here is correct

☐ You cannot open projects on previous versions of the .NET Framework

Question 3**0 / 1 pts**

When you create a new project using Visual Studio 2013 (**File / New Project**), you will have the structure of the project showing in the **Solution Explorer** panel of Visual Studio. There are items (files) that you can add (using the **Add New Item**) as you grow with your project and those files will have the extension according to the type of file you add. Select from the choices below the file type and the extension that DO NOT MATCH.

Correct Answer**You Answered**☐ JavaScript files with .jsp extension☒ No answer text provided.☐ Style sheets with .css extension☐ You can add an HTML Page with the .html or .htm extension☐ Web Forms (.NET web forms) with the .aspx extension**Question 4****1 / 1 pts**

If you have created an .css style sheet file, using another web authoring tool and you want to make that file be part of your Web Site project in Visual Studio, you will need to recreate the whole .css style sheet inside Visual Studio because you cannot import a .css file into an existing Visual Studio project

☐ True☒ False**Correct!**

You know we can import / add any file we created externally to Visual Studio to our web site project!

Question 5

0 / 1 pts

If you have a code like this in a web form (.aspx page):

```
<asp:CheckBox ID="CheckBox1" runat="server" /><br />
<input id="Checkbox1" type="checkbox" />
```

You can say that both elements will represent a checkbox on the browser but the second element is the ASP.NET server control element (brought to the page from the Standard group of the Toolbox) that will need to be processed at the server while the first checkbox is the normal HTML input checkbox (brought to the page from the HTML group of the Toolbox)

You Answered

☒ True

Not true, it's exactly the other way around - look at the runat="server" in the first element! That one is the ASP.NET server control element

Correct Answer

☐ False

Question 6

1 / 1 pts

When building an .aspx page (web form), you can count on dragging and dropping items you might need to use from the Toolbox panel. If you drag an item from the Standard category, you will be inserting what is called a server control. Mark the correct answer about server controls

Correct!

The server control lives in the server, in the .aspx page and when this page is requested by the browser, the control is processed by the ASP.NET runtime and will then emit the client-side HTML code that will be shown on the final page output

That's the basic of a server control in any .aspx page



The server control is added with the same markup as when you add an item from the HTML group and processed the same way too



The runat="server" is an optional attribute in the server control markup



There is a limited number of server controls (maximum of 5) you can add per page in any ASP.NET Website

Question 7**0 / 1 pts**

When you insert a server control in an .aspx page (web form), there are some properties that you can change in the Properties grid panel. Select the option below that shows the **WRONG** definition for the property being named



(ID) allows you to change the value of the ID attribute given to the server control



Visible - indicates where the control is visible and rendered

You Answered

ToolTip - sets the text that is displayed when the user hovers the mouse on the control when the page shows up in the browser

Correct

Correct Answer

- ☐ ForeColor - changes the background color of the control

Question 8

1 / 1 pts

If you see in C# the following declaration:

```
int[] mynumbers = {1, 2, 3, 4, 5};
```

Then, the correct statement to declare a variable called xyz and set the first value of mynumbers to the xyz variable would be:

Correct!

- ☒ `int xyz = mynumbers[0];`

That's it, I'm declaring the variable xyz as an integer and I'm assigning to it the first element of the mynumbers array

- ☐ There is no correct answer among the choices here

- ☐ `int mynumbers[0] = xyz`

- ☐ `int xyz = mynumbers[1];`

Question 9

0 / 1 pts

To concatenate string values in C#, we use the + (plus) sign and we can use the += sign to add (concatenate) some value to the existing value of a

variable such as in the little piece of code below:

```
string txtname = "John";  
string txt1 = "Today is a good day! ";  
txt1 += "Hello, " + txtname;
```

Which would give the following output for txt1

Today is a good day! Hello, John

Correct Answer

☐ True

You Answered

☒ False

Follow the logic and remember that the little code starts with the declaration of string txtname = "John";

Question 10

0 / 1 pts

When we created a web form (.aspx file), Visual Studio created for us the .aspx.cs file that keeps the C# code we want to write that will be related to the elements of the page. So, if in the .aspx.cs file, you see a code as:

```
protected void Page_Load(object sender, EventArgs e)  
{  
    lblName.Visible = true;  
    txtName.Visible = true;  
    btnSubmit.Visible = true;  
}  
  
protected void btnSubmit_Click(object sender, EventArgs e)  
{  
    Response.Write("Hello, " + txtName.Text + "!");  
    lblName.Visible = false;  
    txtName.Visible = false;  
    btnSubmit.Visible = false;  
}
```

it would be right to affirm that...

You Answered

☐

It looks like that the user will type his/her name in the element with ID equal to lblName

☒

The Page_Load event happens after the user clicks the button btnSubmit

The Page_Load happens when the page loads!

Correct Answer

☐

The .aspx page has an element, probably a button, with the ID value of btnSubmit that will be visible when the page loads

☐

The .aspx page, related to this code, has one single element on it - possibly a button with the ID value of btnSubmit

Question 11**0 / 1 pts**

We have studied the life cycle of the application and the life cycle of a single page in the .NET and we know that there are 5 phases in any ASP.NET **page** life cycle

You Answered

☒

True

No, this is not true as there are 8 phases in the ASP.NET page life cycle. There are 5 phases in the application life cycle

Correct Answer

☐

False

Question 12**1 / 1 pts**

When you create, in Visual Studio 2013, a new Project, there is a pop up screen where you will give the name and location of the project and select the language you will be using as well. Then, there is another screen that you can select MVC on the top part of that second screen (like we did when learning MVC). From what we learned and observed, it's correct to affirm that

☐

The App_Data folder contains class files that will be executed when the application starts

☐

This is the only way you can create an MVC project in Visual Studio

☒

You will see, in the Solution Explorer, the Models, Views, and Controllers folders among other folders when creating a project based on MVC

This is correct! Many other folders are created besides the 3 ones cited here

☐

The Content folder contains class files that handle users' requests and return a response

Correct!**Question 13****0 / 1 pts**

The first phase of the life cycle of any ASP.NET page is the _____ when the user requests the page but all the server controls you have set up are only initialized during the _____ and the

_____ is done to remove all unwanted object from the memory after the page is finally sent to the user.

☐ Start / Validation / Unload

Correct Answer

☐ Page Request / Page Initialization / Unload

You Answered

☒ Page Initialization / Validation / Unload

Please, review the page life cycle

☐ Load / Validation / Page Request

Question 14

1 / 1 pts

If I see the following markup in an aspx page called Default.aspx:
Contract

I can affirm that:

☐ This is a server control hyperlink that will open doc.pdf to the user

☐ The doc.pdf is in the same folder as Default.aspx

☐ This is a special hyperlink that will open any pdf document inside the Documents folder

Correct!

☒ The doc.pdf file of this hyperlink is in the Documents folder which is in the same level of Default.aspx

Correct answer

Question 15

0 / 1 pts

When developing an MVC application, it's necessary to register at least one route and this can be done in the **RouteConfig** class, found in the **RouteConfig.cs**, which is found inside the **Controllers** folder

You Answered

☒ True

The first part of this sentence is correct the problem comes when it says that you can find the RouteConfig class in the Controllers folder. No, it's found in the App_Start folder

Correct Answer

☐ False

Question 16

1 / 1 pts

Mark the affirmation below that is **NOT** correct in regards to Controllers in the MVC structure

☐ A Controller is a class that contains public methods called Action methods

☒ Controllers are the user interface

No! The Views are the user interface

Correct!

MVC might throw an error if the word "Controller" is not appended to the controller class name

☐ Controllers handle any incoming URL request

Question 17

1 / 1 pts

The .NET framework provides classes that you can use to develop console applications and one of the main classes used for that purpose is the **System.Console**.

Correct!

☒ True

That's correct - about the System.Console class being used to create Console Application in the .NET framework

☐ False

Question 18

0 / 1 pts

If I would have a simple console application with the following code:

```
Int32 num = 100;
String msg = "Hello, you are student number " + num;
Console.Write(msg);
if (num == 100)
{
    Console.WriteLine("The number " + num + " receives a prize!")
; }
else
{
    Console.WriteLine("Sorry, no prize! You are not student numbe
```

```
    r 100, you are student number " + num);  
    }  
    Console.ReadKey();
```

The output on the Terminal/Console would be:

☐ The number 100 receives a prize!Hello, you are student number 100

☐ Hello, you are student number 100

☒ The number 100 receives a prize!

The sentences would not be written in different lines

☐ Hello, you are student number 100The number 100 receives a prize!

☐

Hello, you are student number 101Sorry, no prize! You are not student number 100, you are student number 101

You Answered

Correct Answer

Question 19

1 / 1 pts

When we create a console application, generally, depending on the platform you are using (Mac or Windows), Visual Studio will include some basic namespaces with the **using** command but, if your application needs elements from other namespaces, you can certainly include those namespaces manually with the **using** command as well

☒ True

This is all correct.

☐ False

Correct!

Question 20**1 / 1 pts**

When working with properties or methods of a class, we can use what is called access modifiers that we can use to restrict access to those properties or methods as you desire. What are the 3 types of access modifiers you can use?

☐ Protected, Hidden, Public

☒ Protected, Public, Private

These are the correct types of access modifiers you can use

☐

Public is the only type of access modifier you can use in a console application

☐ Generic, Protected, Private

Correct!**Question 21****1 / 1 pts**

There is a console application where a Dogs class was created and it has the following code:

```
namespace ConsoleApp1
{
    class Dogs
    {
        int DogsNum;
        string DogsSize;

        public Dogs()
        {
```

```
        DogsNum = 10;
        DogsSize = "small";
    }

    public void SetDogs(int Num, String Size)
    {
        DogsNum = Num;
        DogsSize = Size;
    }

    public String GetDogs()
    {
        return DogsSize;
    }
}
```

Mark the correct sentence about this code

- ☐ The name of the console application is Dogs
- ☒ The public Dogs() is what we know as a constructor for the class Dogs

This is a right as a constructor will set the initial values and will have the SAME name as the class

- ☐ If I create a new instance of the Dogs class without using the SetDogs() function, the DogsSize will be empty
- ☐ The public Dogs() is not a constructor because we do not see a return type

Correct!

Question 22

0 / 1 pts

Once you install VS Code, it's right to say about this editor that:

You Answered



The View bar of VS Code is where you will find different views like the Explorer to help you while working on your project (basic your files and/or folders of your project)

No, the files and folders you see on the Side Bar



One of the drawbacks of VS Code is that you can not rearrange the initial layout that is presented to you: View Bar, Side Bar, Status Bar, etc.

Correct Answer



You can install extensions to work with programming languages such as: C#, C++, Python, etc.



You cannot install VS Code if you are working in a Linux computer

Question 23**1 / 1 pts**

You can configure the editor area of your VS Code and the settings values will be kept in a file called **settings.json**

Correct!



True

This is true



False

Question 24**1 / 1 pts**

Mark the option that is NOT correct about ASP.NET Core

Correct!

- ☒ If you use the ASP.NET Core, then you cannot create MVC applications

This is not right as you can certainly create MVC applications

- ☐ ASP.NET Core offers a new light-weight HTTP request pipeline

- ☐ ASP.NET Core integrates easily with different client-side frameworks such as: Bootstrap, AngularJS.

- ☐ It's an open source

Question 25**1 / 1 pts**

After installing .NET Core, I can start creating applications. So, if I issue the following command, using the Command Line (Windows) or Terminal (Mac) of my computer, being inside a folder called **firstproject**:

```
dotnet new console -o project1
```

You can say that...

- ☐ This command is creating a .NET Core console application named firstproject as I ran the command from inside the firstproject folder



This command is creating a .NET Core console application but it will not create the folder called project1

☐ This command is creating a .NET Core MVC application named project1

Correct!



This command is creating a new .NET Core console application named project1

Correct!

Quiz Score: **15** out of 25