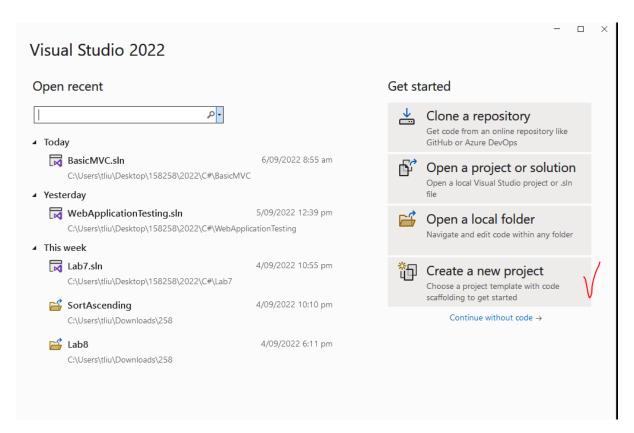
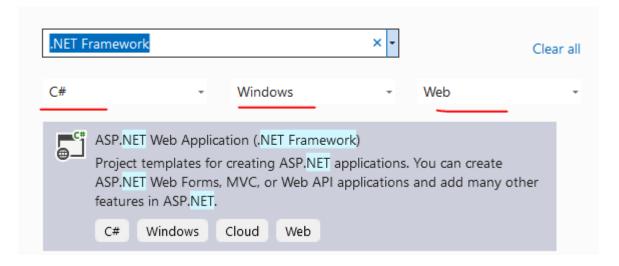
Creating a basic MVC Website

Start Visual Studio 2022, Select Create a new project

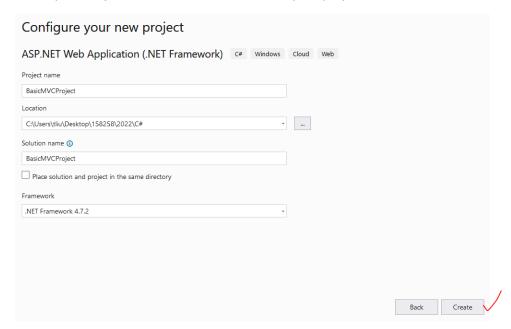


select your language, platform and project type. I selected **C#, Windows, and Web,** enter .NET **Framework,** select **ASP.NET Web Application (.NET Framework),** Click **Next**

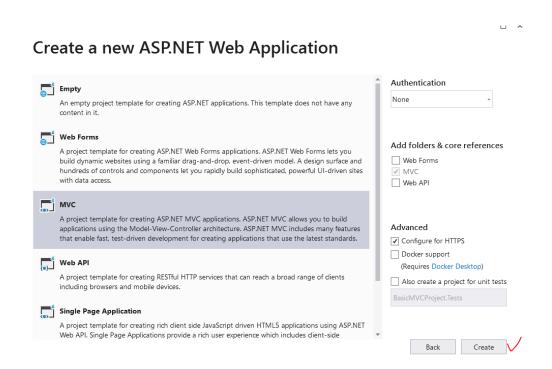


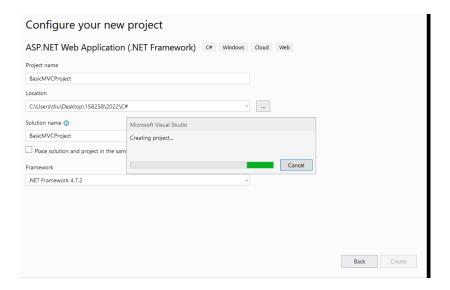
Note: If you cannot see **ASP.NET Web Application (.NETFramework)**, just scroll down and click **install more tools and features**, make sure that **ASP.NET and web development** and **.NET Framework project and item templates** are selected. Then click **Modify** to install the selected tools.

Name your Project and choose the location of your project and Click Create to continue.

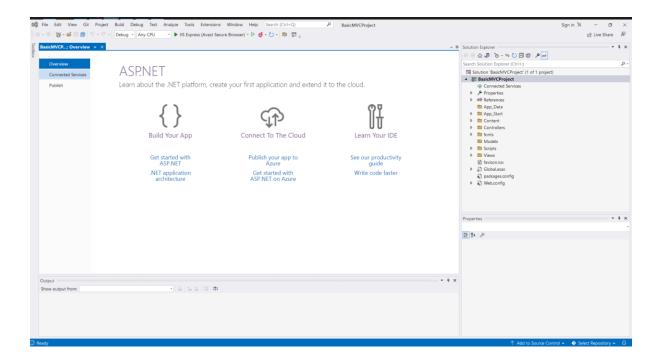


select MVC, Click Create to create the project.





Once the project is created you should see a page like this:



Debug-> Start Without Debugging (Ctrl+F5) or click the green play arrow on the menu bar to test/view your website.

Alter the about method of the Controllers\HomeController.cs file:

```
using System.Web.Mvc;
                                                                                                                 mespace BasicMVCProject.Controllers
   Oreferences
public class HomeController : Controller
{
                                                                                                                   App_Start
     O references
public ActionResult Index()
{
                                                                                                               Controllers

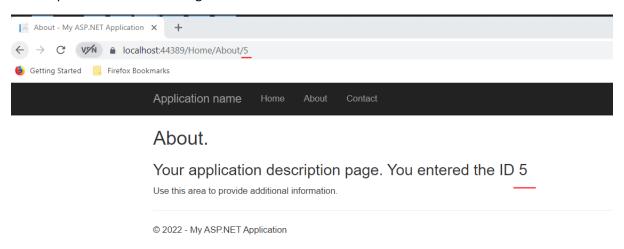
C# HomeController.cs
     return View();
                                                                                                                   Models
     O references
public ActionResult About()
                                                                                                                 ▶ Scripts
▶ Views
■ favicon.ico
        ViewBag.Message = "Your application description page.";
       return View();
                                                                                                                 O references
public ActionResult Contact()
{
        ViewBag.Message = "Your contact page.";
        return View();
                                                                                                               Properties ....
                                                                                                              DE: 04 5
      public ActionResult About(string id)
      {
         ViewBag.Message = "Your application description page. You entered the ID " + id;
         return View();
      }
using System.Web.Mvc;
namespace BasicMVCProject.Controllers
ł
     public class HomeController : Controller
           public ActionResult Index()
                return View();
          3
           public ActionResult About(string id)
                ViewBag.Message = "Your application description page. You entered the ID " + id;
                return View();
           }
           public ActionResult Contact()
                ViewBag.Message = "Your contact page.";
                return View();
           }
     3
```

Here we are telling the method to process a parameter passed into it called id. This corresponds with the name of optional third parameter in the default route. The ASP.NET MVC model binding

system is used to automatically map the ID parameter from the URL into the id parameter in the About method.

Now start the web site without debugging and navigate to the About page. Now add an ID onto the end of the URL such as https://localhost:44389/Home/About/5 (Note: For your localhost: 44389/may be different). This will then process 5 as the value of the ID parameter and pass this to the About method, which then adds this to the ViewBag for display in the view.

The output would be something like:



ASP.NET MVC also automatically matches any parameters in the HTTP request to a method parameter if they have the same name. The matching is case insensitive. For example, entering http://localhost:44389/Home/About?ID=5 will return the same result as previous, because the id parameter is automatically mapped to the id parameter in the About method.

Email link

Add Email link on the _Layout.cshtml.

JavaScript:

Add MyJavaScripts.js in the Scripts folder with the following code"

```
function msg(){
alert("Hello World!");
Add MyJavaScripts.js in the BundleConfig.cs file:
   bundles.Add(new ScriptBundle("~/bundles/bootstrap").Include(
                        "~/Scripts/bootstrap.js", "~/Scripts/MyJavaScript.js"));
Add the following code in Home/Index.cshtml:
<div>
    <form>
        <input type="button" value="click" onclick="msg()" />
    </form>
</div>
CSS:
Add the following code in Site.css
.navbar {
    background-color: deepskyblue;
    border-radius: 5px;
    padding: 0px 5px;
}
Add Site.css in the BundleConfig.cs file
bundles.Add(new StyleBundle("~/Content/css").Include(
                        "~/Content/bootstrap.css",
                       "~/Content/Site.css"));
Image:
Create an Images folder in Content folder, load images.
Add the following code with your own image name in Home/Index.cshtml:
    <img src="~/Content/Images/image1.jpg" alt="Sample" />
</div>
Video:
Add the following code in Web.config file
    <system.webServer>
        <staticContent>
             <mimeMap fileExtension=".mp4" mimeType="video/mp4" />
        </staticContent>
    </system.webServer>
```

Create a video folder in Content folder, load your video.

Add the following code with your own video name in Home/Index.cshtml: