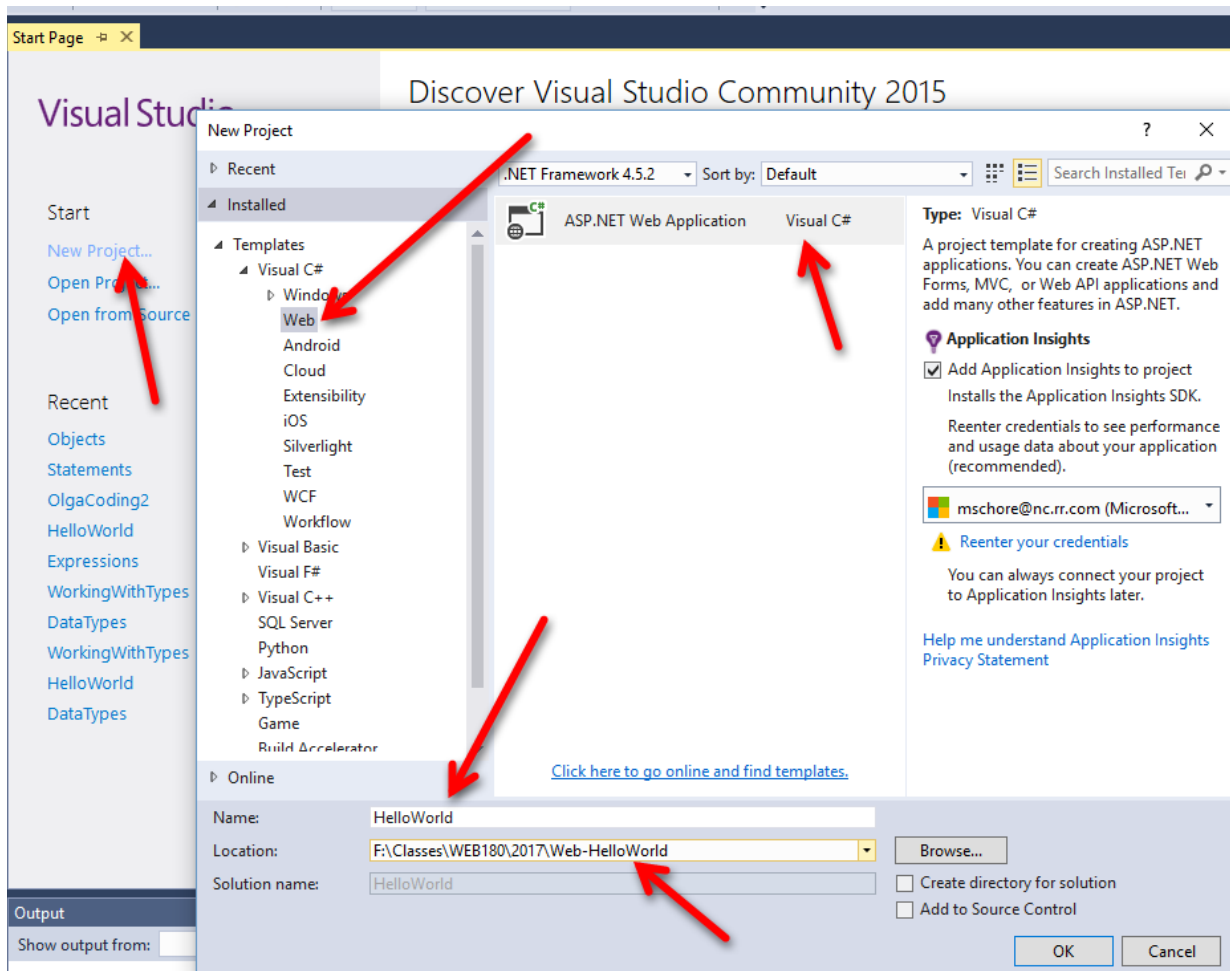


## Creating a Hello World on the Web

This tutorial is designed to give you a quick tour of Visual Studio to create a very basic web page on our student server. You should have Visual Studio 2015 Community installed at this time. Start the application now and when the Start Page opens select the New Project... link. You should see the New Project dialog.

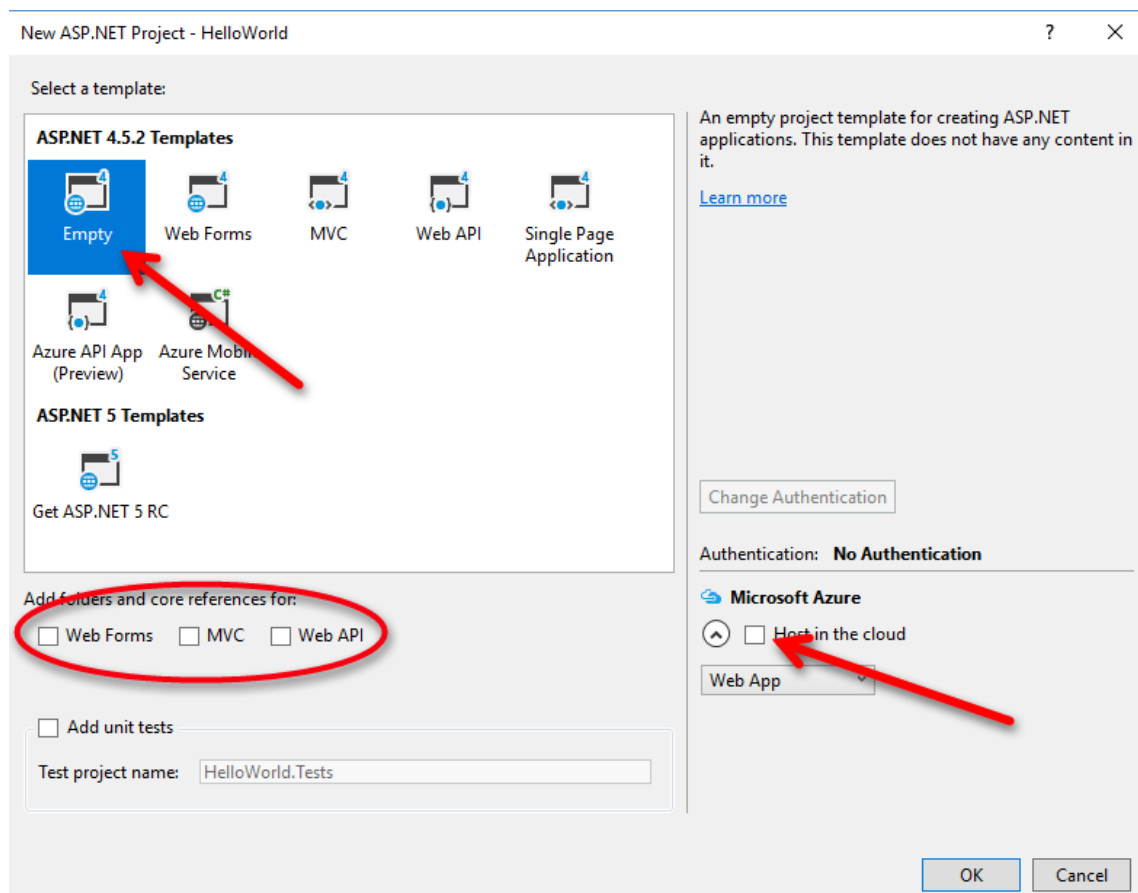


Make sure that you have the following set in this example:

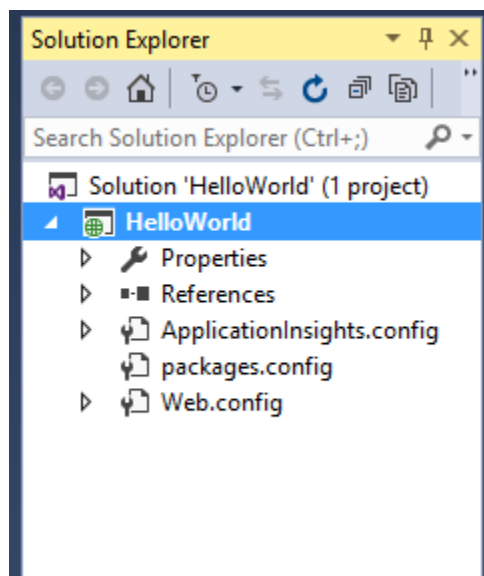
- Template: Web
- Framework: ASP.NET Web Application – Visual C#
- Name: HelloWorld
- Location: Your choice (just be able to find it)

Click OK to start the build process.

On the next dialog, select the Empty template and make sure the references are all unchecked. Also, make sure the “Host in the cloud” is unchecked. Click on the OK button.

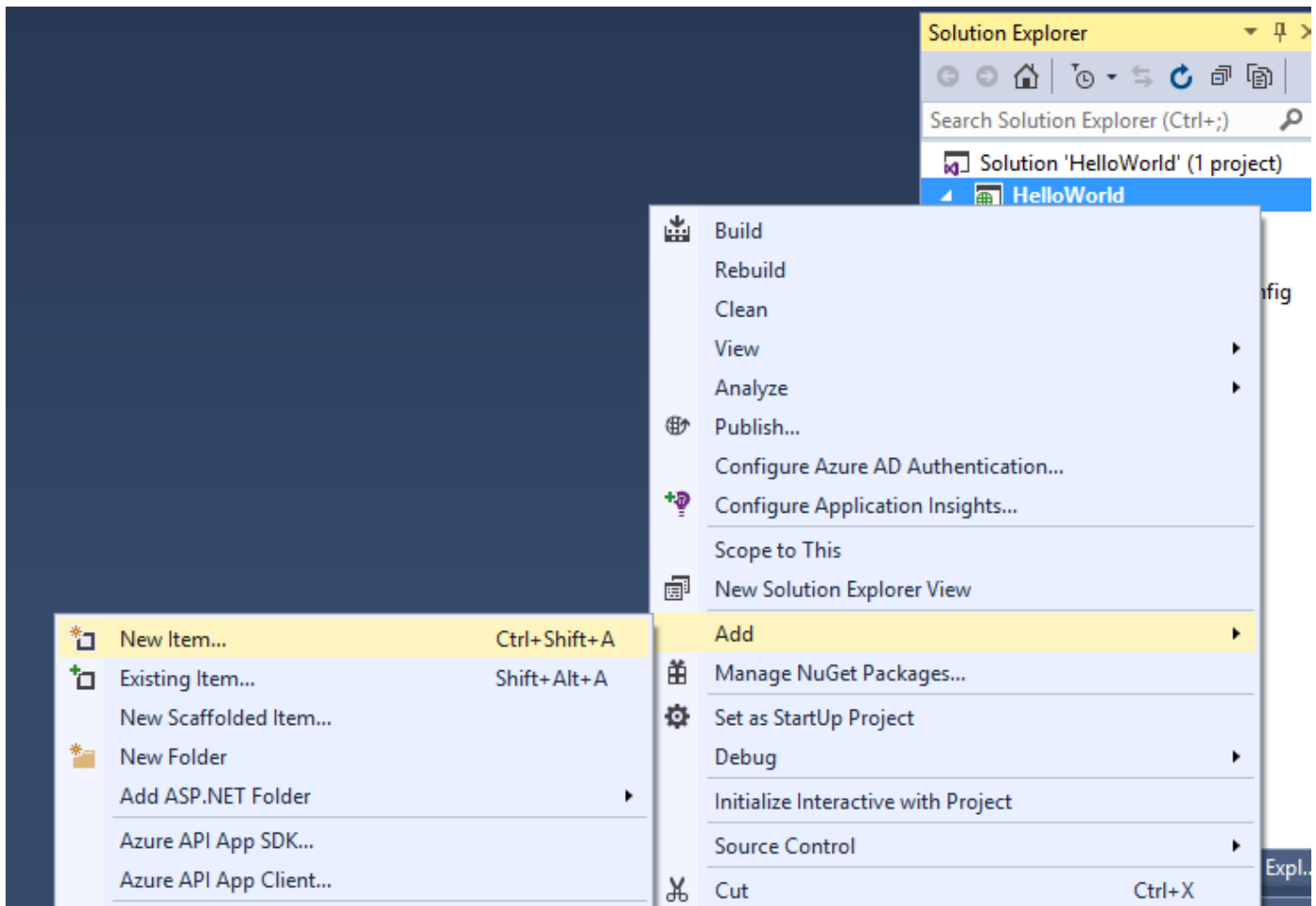


The solution gets built and you should see the Solution Explorer.

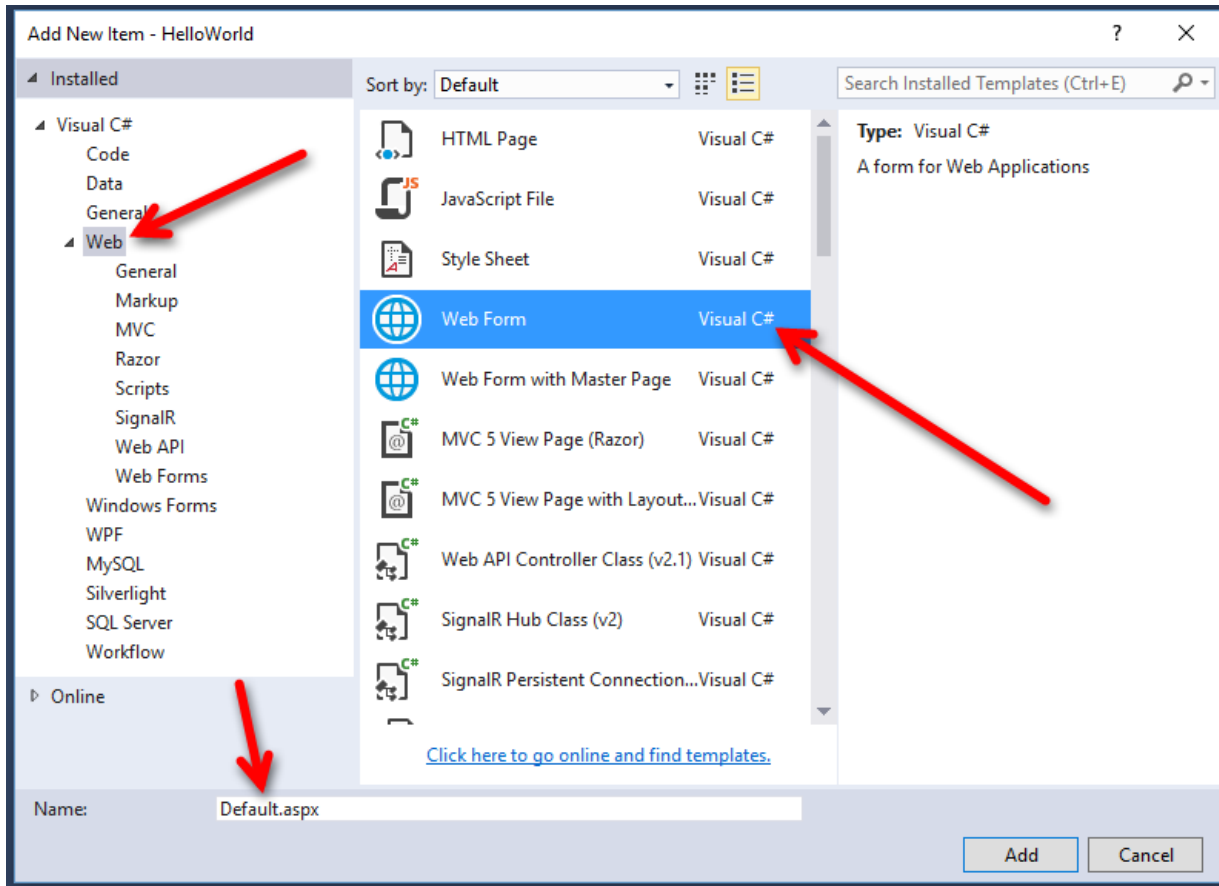


Note that there is no Program.cs file or any executable code files like in the Console apps.

We need to add a default.aspx file which is equivalent to a default.html file in a standard website. Right-click on the HelloWorld name as shown below. Then roll your mouse over the Add item and select the New Item... option.



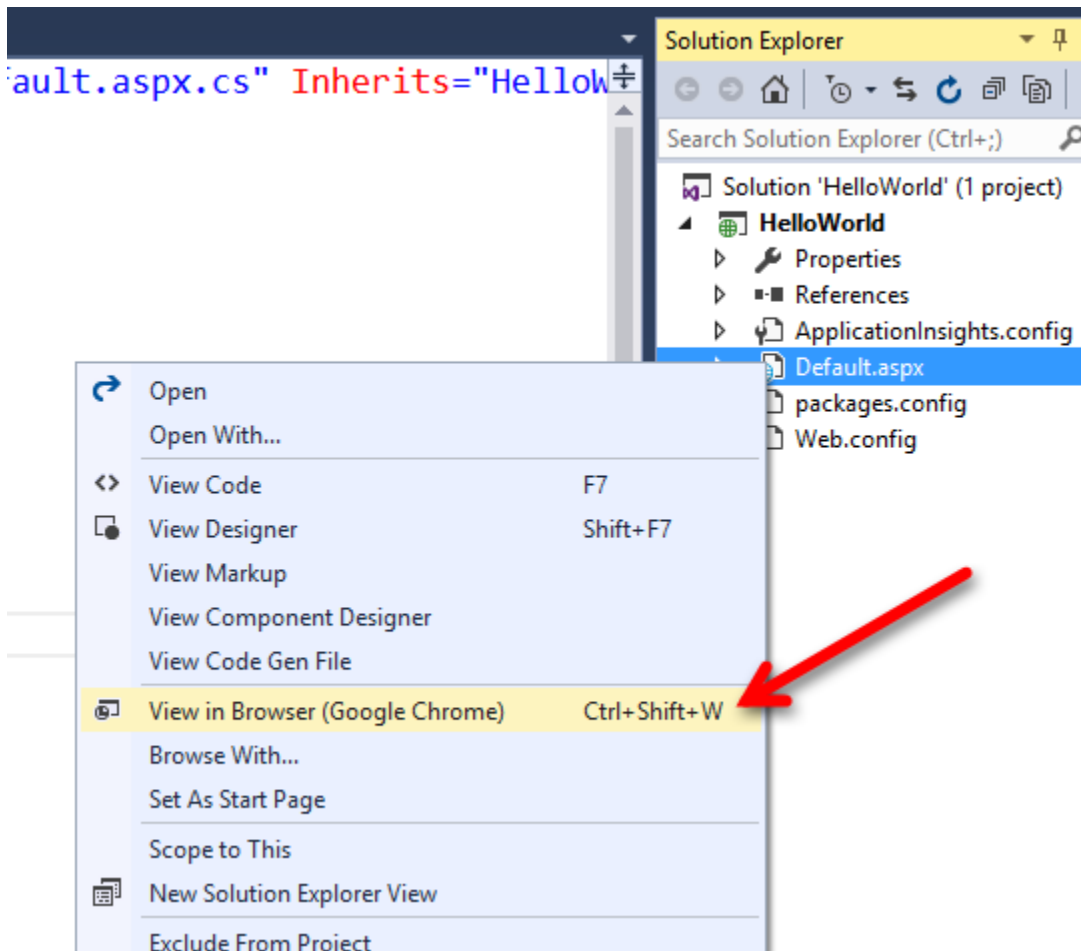
When the Add New Item dialog opens choose the Web template. Then chose the Web Form option under the types of items available. Give it a name of Default.aspx and click the Add button.



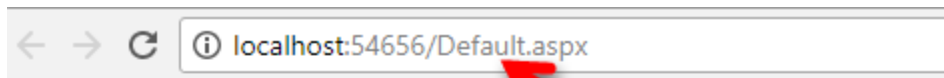
The new file is created with some HTML looking text in it. Add the H1 text heralding our creation with “Hello World”!



Save the file. Verify that the file works by right-clicking on the file in the Solution Explorer and select the View in Browser option.



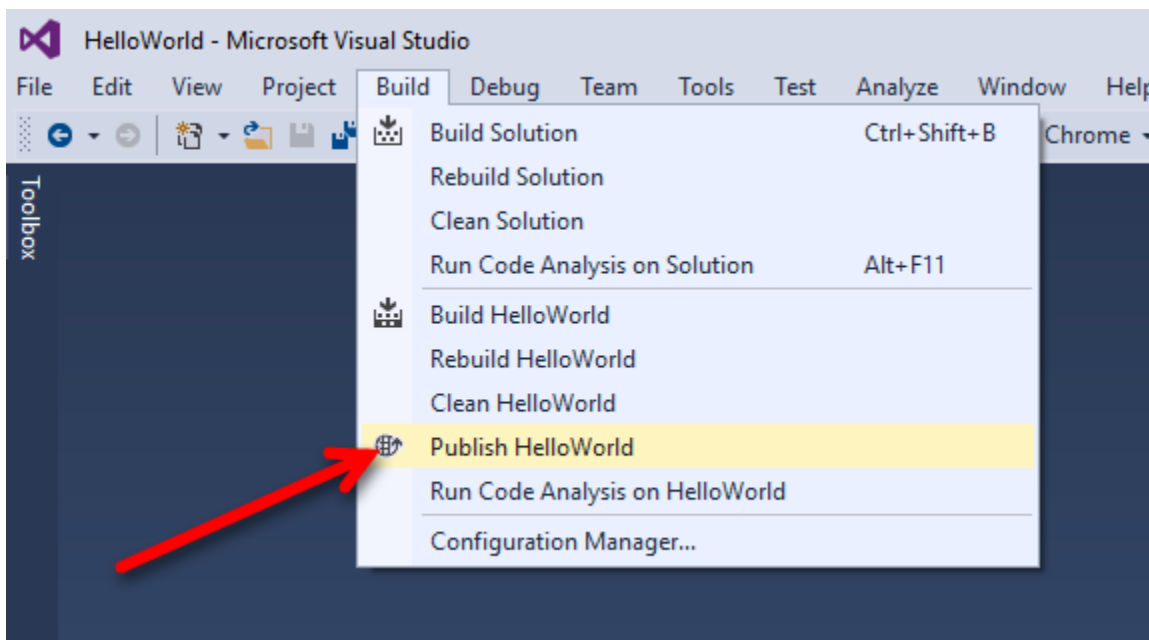
You should see the Hello World on a web page.



# Hello World!

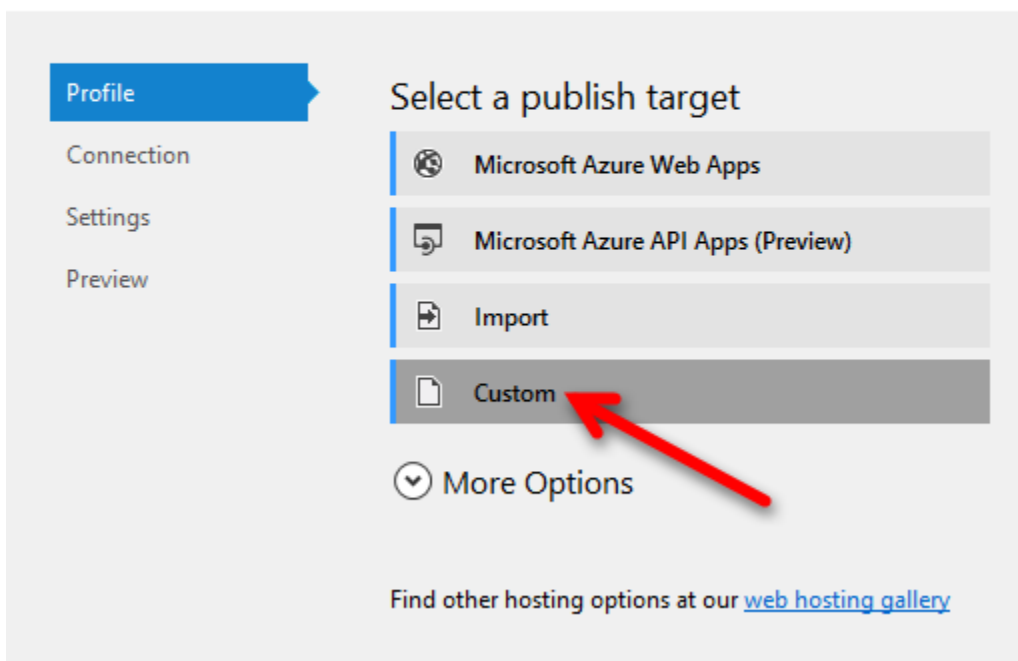
## Publish the Finished Project

The remainder of this document is about pushing your website to the student server. VS has a built-in mechanism for moving your projects to other locations. As the image below shows the Publish capability will be used to make this happen.



Start by clicking on the Publish HelloWorld menu item. (NOTE: Each time you use Publish a project the project name will appear in the menu.) When the dialog opens choose the Custom option.

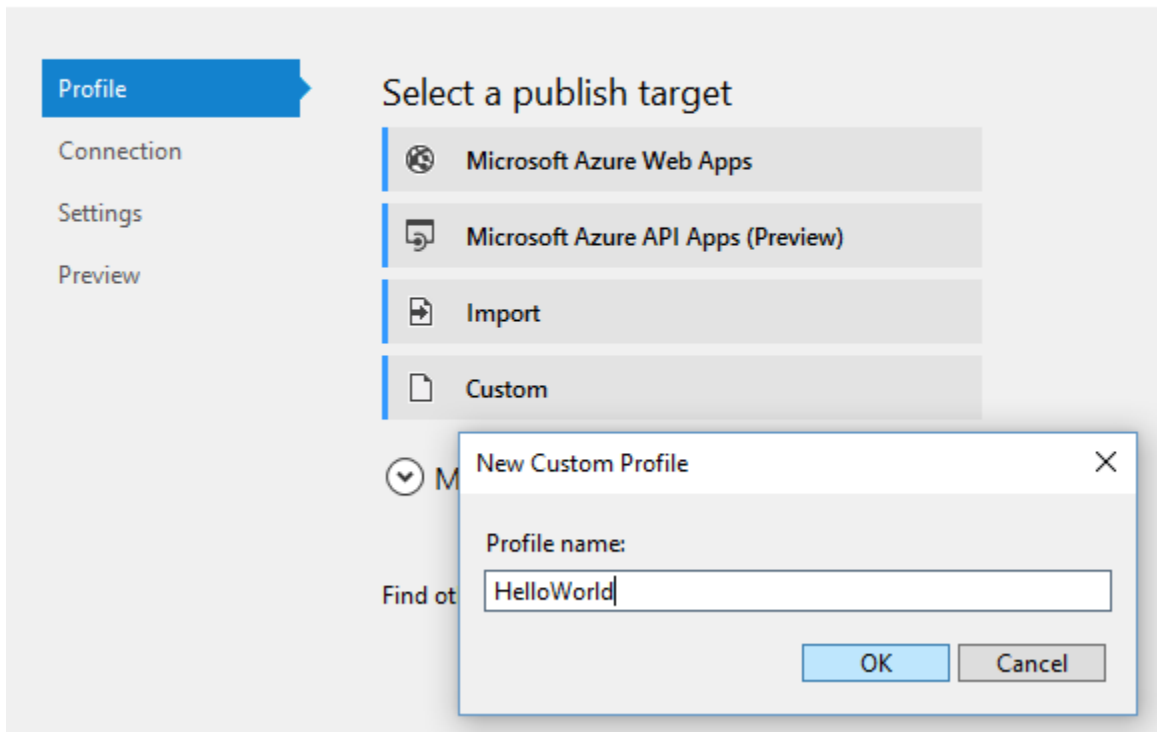
### Publish Web



Give the new Custom Profile a name (usually the project name).



Publish Web



From the Publish method choose the FTP option.



Profile

Connection

Settings

Preview

## HelloWorld \*

Publish method:	<div>Web Deploy</div> <div>Web Deploy</div> <div>Web Deploy Package</div> <div>FTP</div> <div>File System</div>
Server:	
Site name:	<i>e.g. www.contoso.com or Default Web Site/MyApp</i>
User name:	
Password:	
	<input type="checkbox"/> Save password
Destination URL:	<i>e.g. http://www.contoso.com</i>
<button>Validate Connection</button>	

Enter the information below and (I can't stress this enough) always validate your connection. Also, and this should be obvious, use your own information for User name and Password. Once your connection is validated. Click on the Publish button.



**Publish Web**

Profile  
**Connection**  
Settings  
Preview

**HelloWorld \***

Publish method: FTP

Server: wcet3.waketech.edu

Site path: WEB180even

☒ Passive mode

User name: jqpublic

Password: .....

☒ Save password

Destination URL: http://wcet3.waketech.edu/jqpublic/web180even

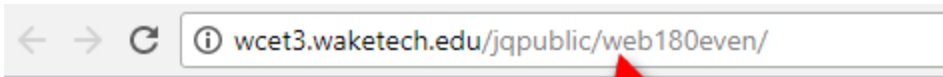
Validate Connection

< Prev   Next >   Publish   Close

While the publish process proceeds monitor the operation in the Output window. If an error occurs in the publish you should see it here.

```
Output
Show output from: Build
1>----- Build started: Project: HelloWorld, Configuration: Release Any CPU -----
1> HelloWorld -> F:\Classes\WEB180\2017\Web-HelloWorld\HelloWorld\bin\HelloWorld.dll
2>----- Publish started: Project: HelloWorld, Configuration: Release Any CPU -----
2>Connecting to ftp://wcet3.waketech.edu/WEB180even...
2>Transformed Web.config using F:\Classes\WEB180\2017\Web-HelloWorld\HelloWorld\Web.Release.config into obj\Release\TransformWebConfig
2>Copying all files to temporary location below for package/publish:
2>obj\Release\Package\PackageTmp.
2>Publishing folder /...
2>Publishing folder bin...
2>Publishing folder bin/roslyn...
2>Web App was published successfully ftp://wcet3.waketech.edu/WEB180even
2>Web App was published successfully http://wcet3.waketech.edu/jqpublic/web180even
===== Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped =====
===== Publish: 1 succeeded, 0 failed, 0 skipped =====
```

Once the publish has completed a browser window should open displaying the default.aspx page.



# Hello World!

## NOTES ON SERVER USAGE

Several things need to be noted about your server usage for this course. Both the creation of the directories and the location of the files are different than static websites. First, let's talk about the location of the files for your work to be placed.

To help with grading your assignments, you will be using two directories to store your work on: web180odd and web180even. The directory you use will be dependent on which lesson week we are on. The locations are:

- Web180odd – for lesson weeks with odd numbers, i.e., Lesson 5.
- Web180even – for lesson weeks with even numbers, i.e., Lesson 4.

You cannot simply delete the directories I have created on the server and recreate them. They have been created to be applications on the server. This gives them special properties and lets your applications run. You cannot recreate a deleted directory. If you run into a problem contact me and I will help clear things up.