# Get Started with Entity Framework 6, Code First, using MVC 5

This document contains note pertaining to the Tutorial <https://docs.microsoft.com/en-us/aspnet/mvc/overview/getting-started/getting-started-with-ef-using-mvc/creating-an-entity-framework-data-model-for-an-asp-net-mvc-application>.

The companion to this document is a Visual Studio project titled “ContosoUniversity”, which resides in Current Pixel\ GetStartedWithEntityFramework6\_CodeFirst\_Using MVC\_5.

The first step (**Create an MVC App**)--

* From the start page of Visual Studio click **Create a new project**. Visual Studio displays the **Create a new project** dialog.
* Click the **ASP.NET Web Application (.NET Framework)** icon; use the **search** text box (upper left) if necessary. Make certain that **C#**, **Windows**, and **Web** are showing in the drop-down lists in the upper-left corner. Click **Next**. Visual Studio displays the **Configure your new project** dialog.
* Type an appropriate name (e.g. Contoso University) into the **Project name** box. Changes to **Location**, **Solution name**, and **Place solution and project in the same directory** are optional. Click **Create**. Visual Studio displays the **Create a new ASP.NET Web Application** dialog.
* Click the **MVC** icon. Click **Create**. Visual Studio displays the solution, which should contain favicon.ico, Global.asax, packages.config, and Web.config.

The second step (**Set up the site style**) makes changes to \_Layout.cshtml and index.cshtml. The navigation steps - Views\Shared\\_Layout.cshtml – cited in the tutorial are referring to the Solution Explorer.

The 3rd step (**Install Entity Framework 6**) uses NuGet package manager. Type the command “Install-Package EntityFramework” at the PM> prompt in **Package Manager Console**.

The 5th step (**Create the Data Model**) entails creating classes for the tables. **virtual** in C# means that the property can be overridden in a derived class (if any).

While performing the 8th step (**Create controller and views**) I encountered an error in response to the **Add** command button that is supposed to create the **StudentController**. I informed Microsoft of the error, and as of 4/6/20 I am waiting for a resolution.

ON JUNE 11, 2020, I REMOVED THE VISUAL-STUDIO PROJECT FILES

GetStartedWithEntityFramework6\_CodeFirst\_Using MVC\_5\\*.\*

FROM

My Documents\Current Pixel\VSAndOtherPlatformProjects

1. THIS PROJECT WAS NEVER SUCCESSFUL, AND THERE HAS BEEN NO FROM MICROSOFT ABOUT THE RESOULUTION OF THE BUG REPORTED (SEE ABOVE).
2. WHEN I TRY TO BACK THIS UP TO MY USB-REMOVABLE DRIVES, I GET A “FILE-NAME TOO LONG PREVENTING COPY” WITH REFERENCE TO

GetStartedWithEntityFramework6\_CodeFirst\_Using MVC\_5\packages\ Microsoft.CodeDom.Providers.DotNetCompilerPlatform.2.0.1\build\net45\

Microsoft.CodeDom.Providers.DotNetCompilerPlatform.Extensions.props

and

GetStartedWithEntityFramework6\_CodeFirst\_Using MVC\_5\packages\ Microsoft.CodeDom.Providers.DotNetCompilerPlatform.2.0.1\build\net46\

Microsoft.CodeDom.Providers.DotNetCompilerPlatform.Extensions.props

IN CASE WE NEED TO RETRIEVE THESE FILES, THERE REMAINS A COPY ON EACH OF THE USB-REMOVABLE DRIVES AND AT C:\Users\sncole\source\repos.