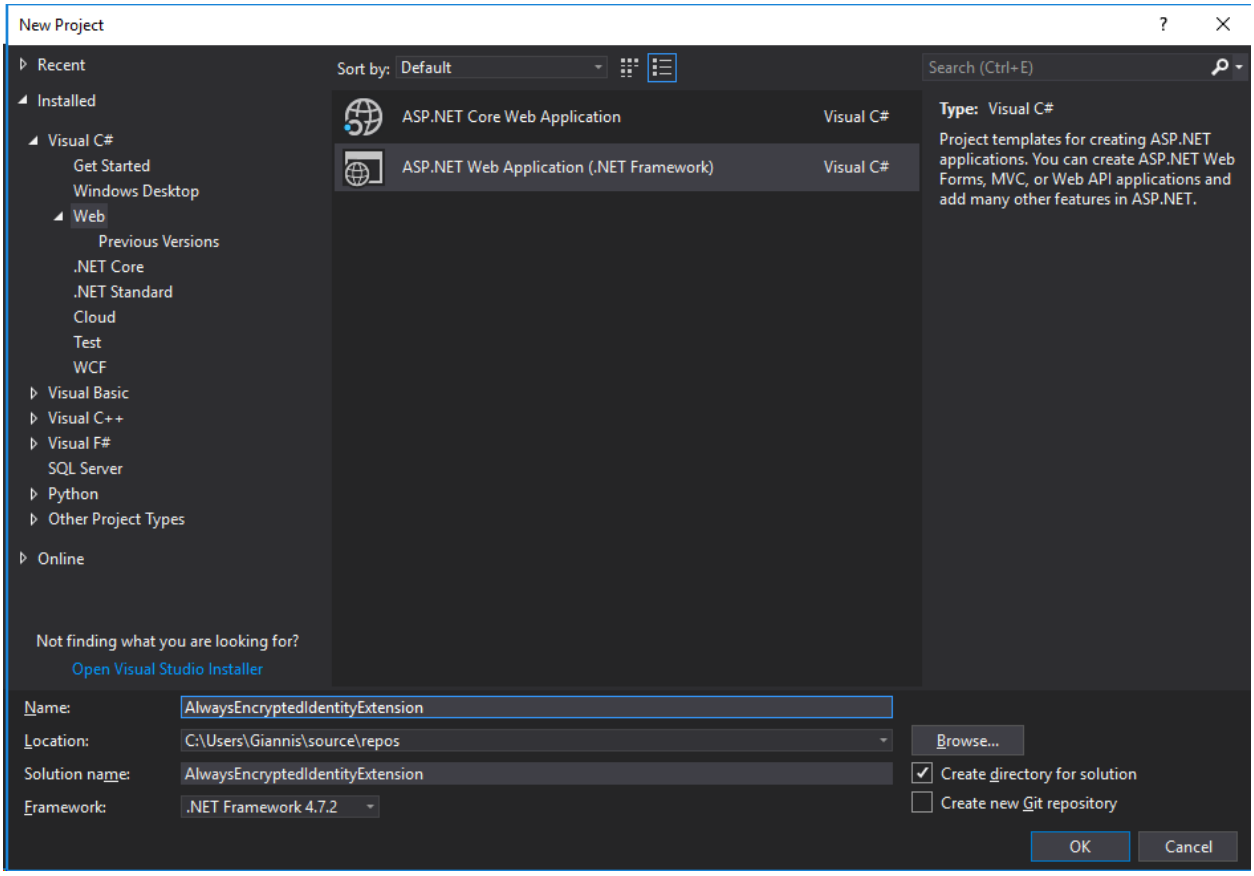
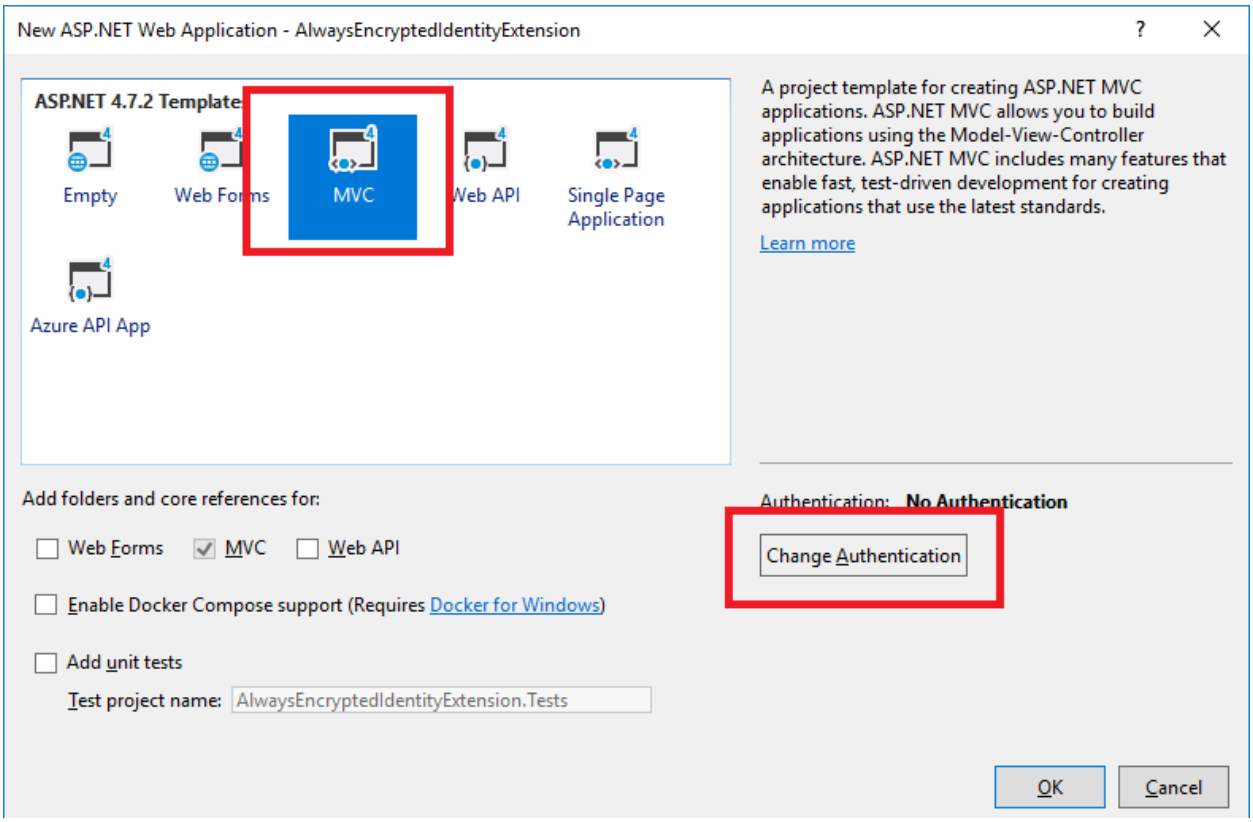
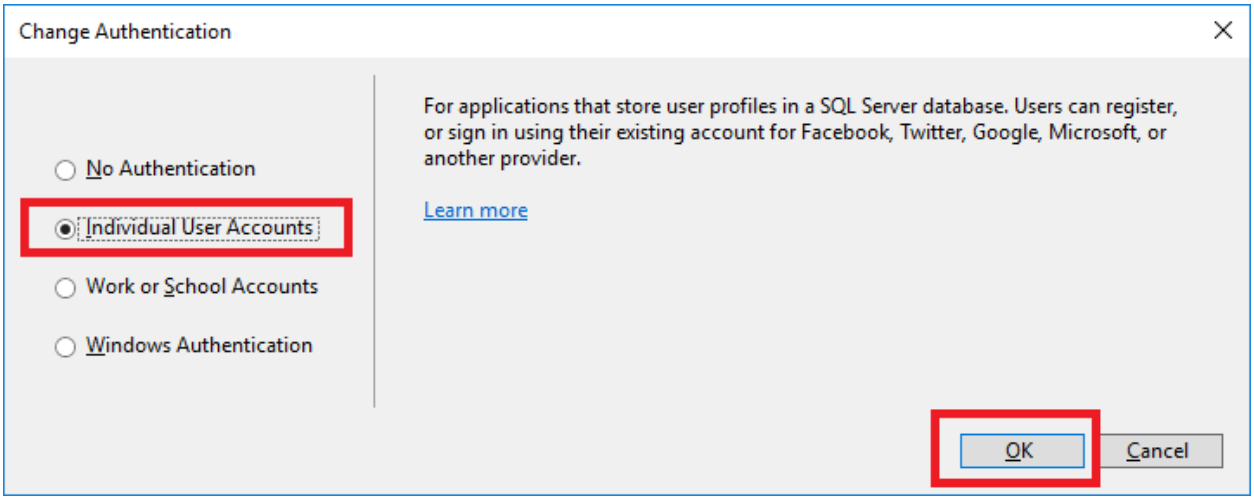
How To Use

From Visual Studio browse “File” > “New” > “Project…”
Give your project a desired name. In the example below I use “AlwaysEncryptedIdentityExtension”.



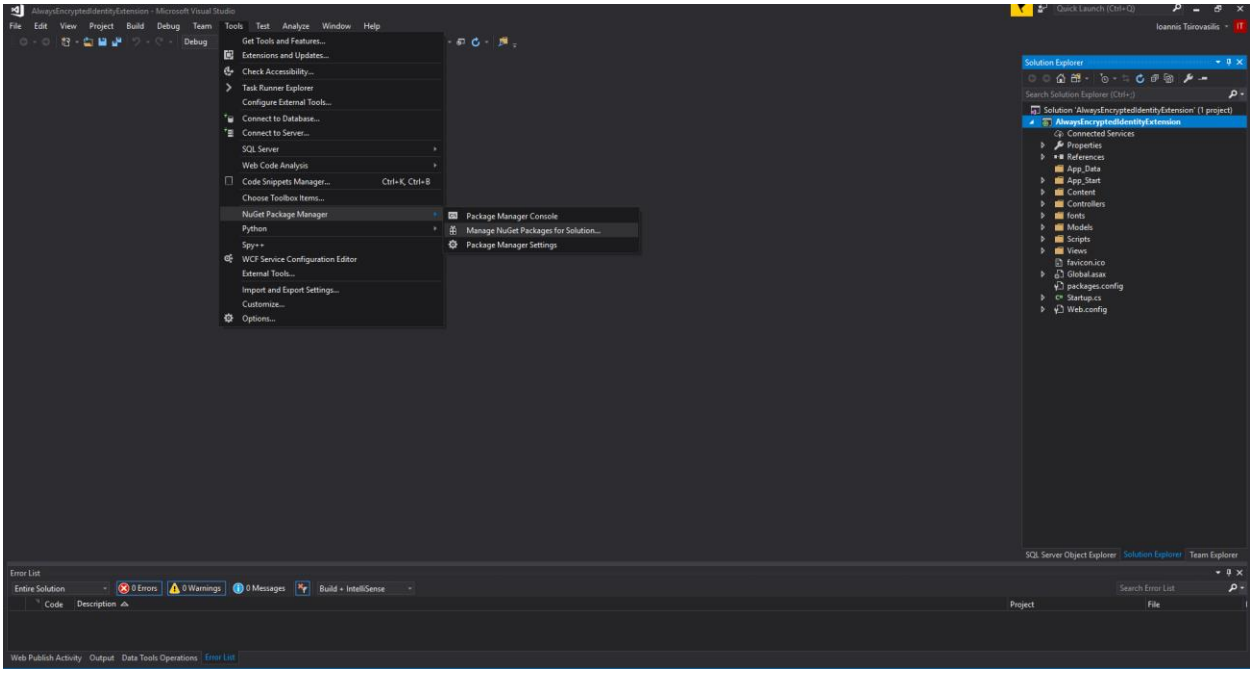
Select “MVC” template and “Change Authentication” to “Individual User Accounts”.



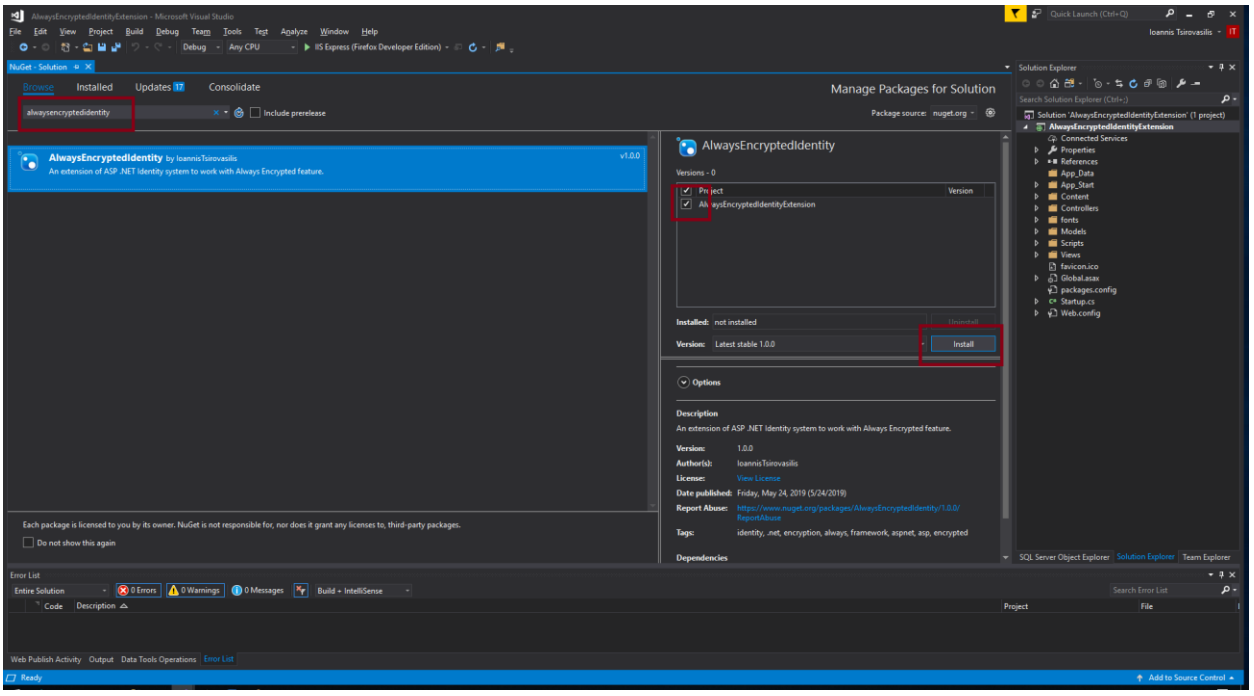


Wait for the project to load…

Download the nuget by browsing “Tools” > “NuGet Package Manager” > “Manage NuGet Packages for Solution…”



From “Browse” tab type “AlwaysEncryptedIdentity” and install the nuget.

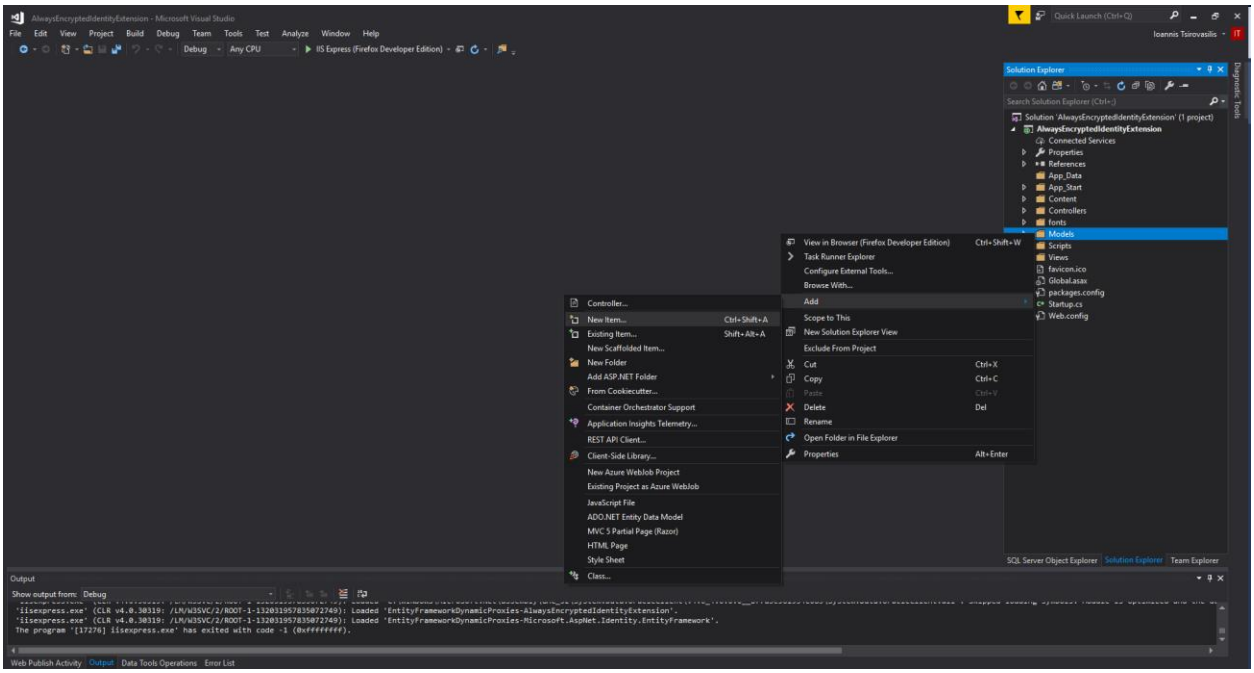


After the installation completes there are a couple of necessary steps to be done in order for the nuget to work.

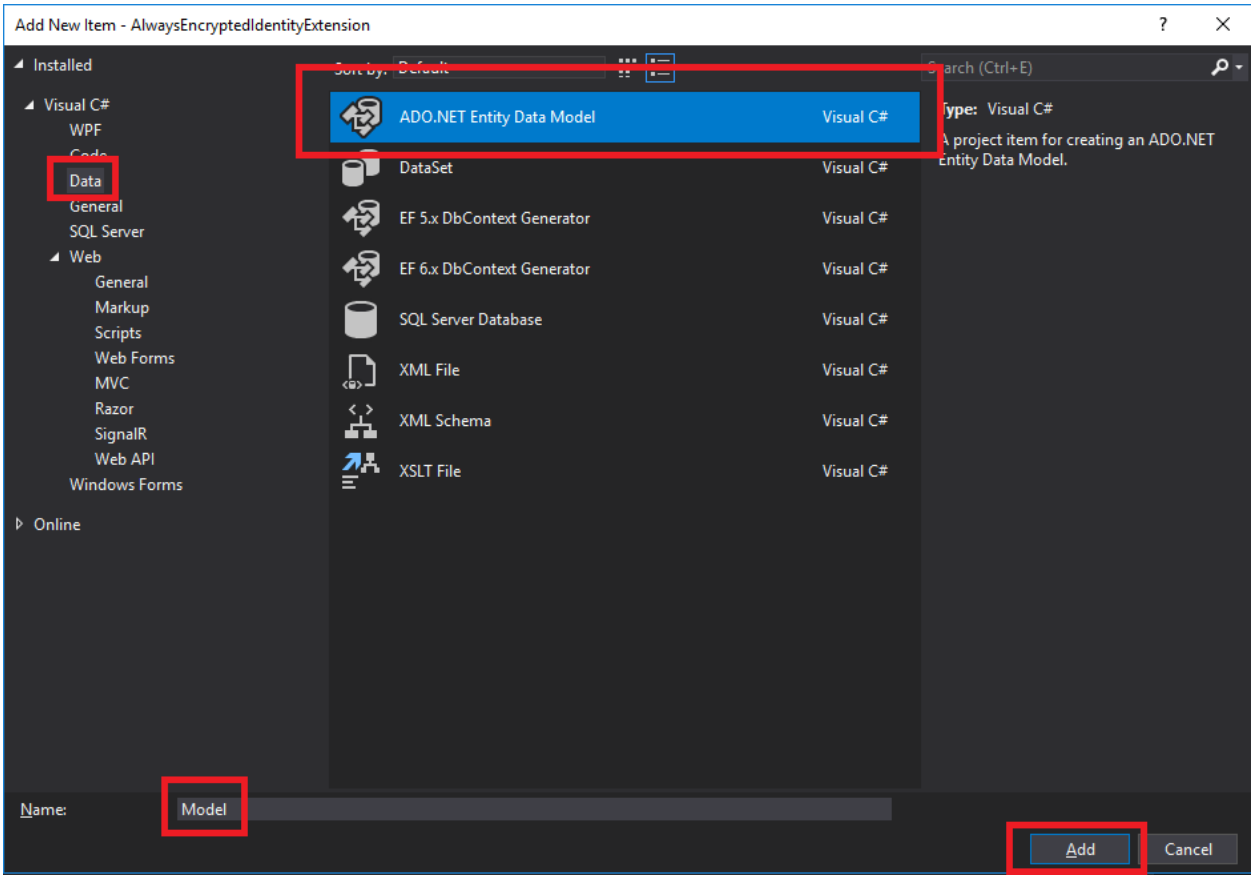
First of all, create a Model using Entity Framework 6 that contains the tables

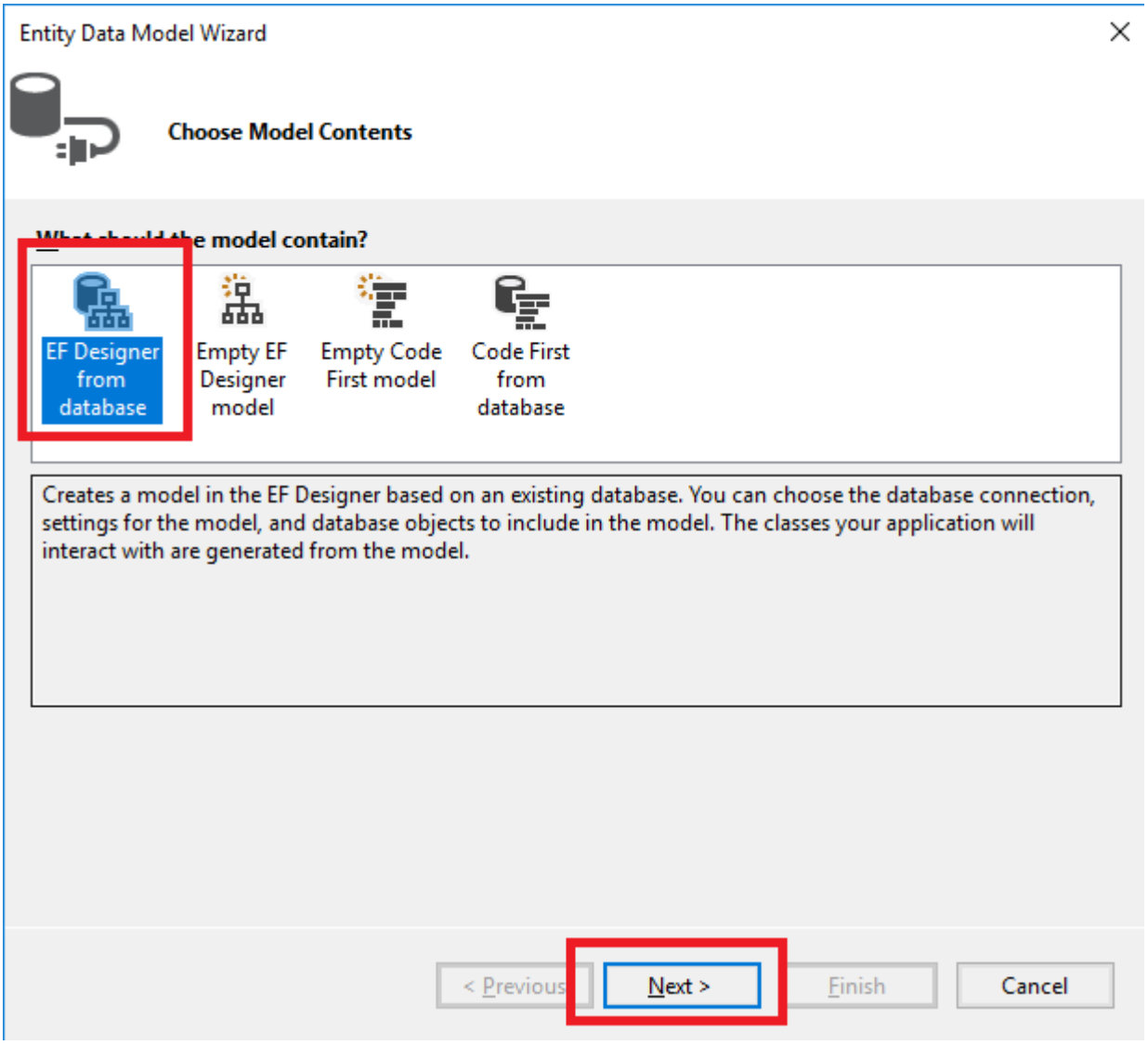
dbo.AspNetRoles
dbo.AspNetUserRoles
dbo.AspNetUsers

Do so by right-clicking the “Models” folder from “Solution Explorer”, browse “Add” > “New Item…”

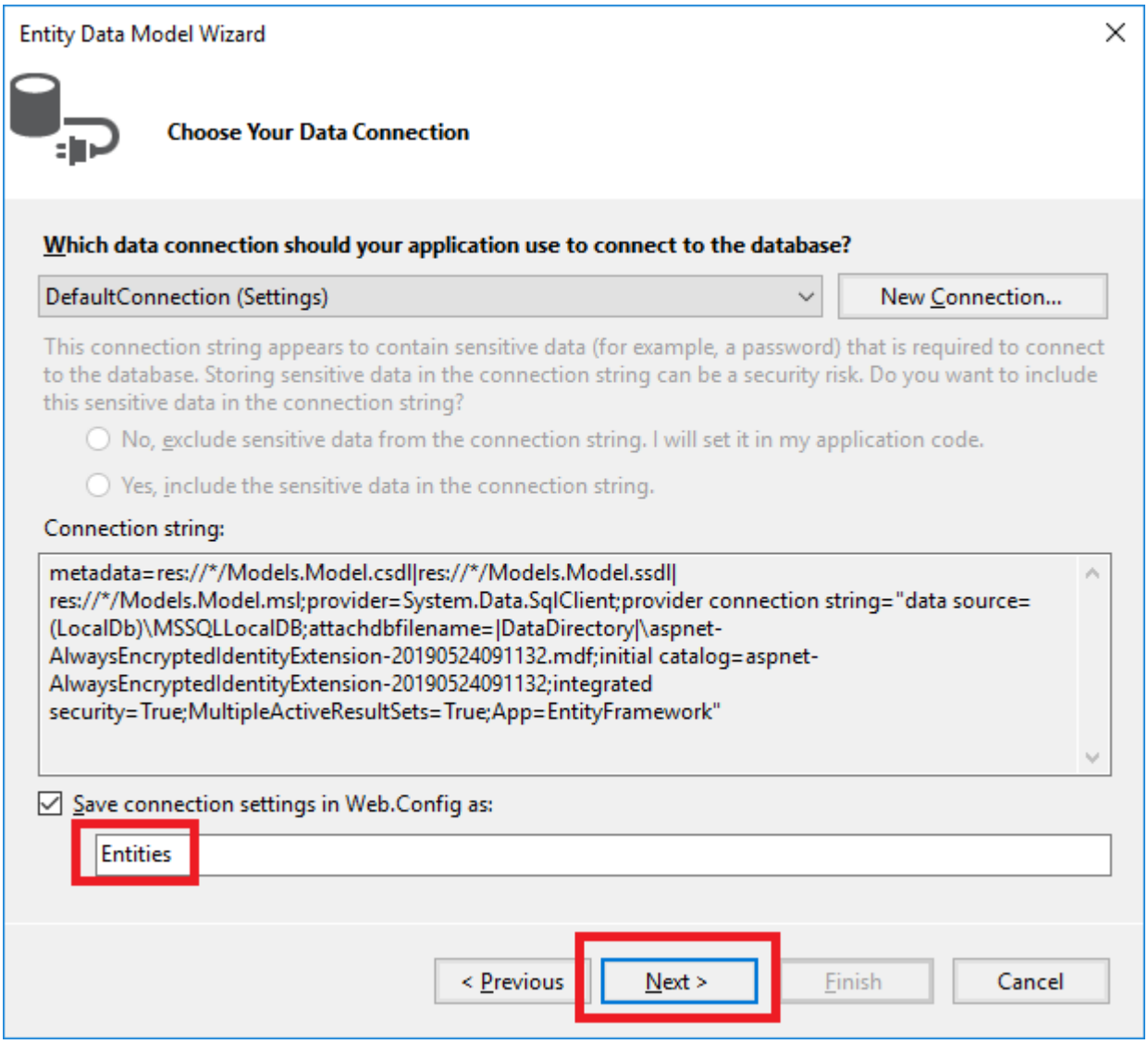


Select “Data” tab from left panel, click “ADO.NET Entity Data Model”, give your model a nice name and click “Add”.

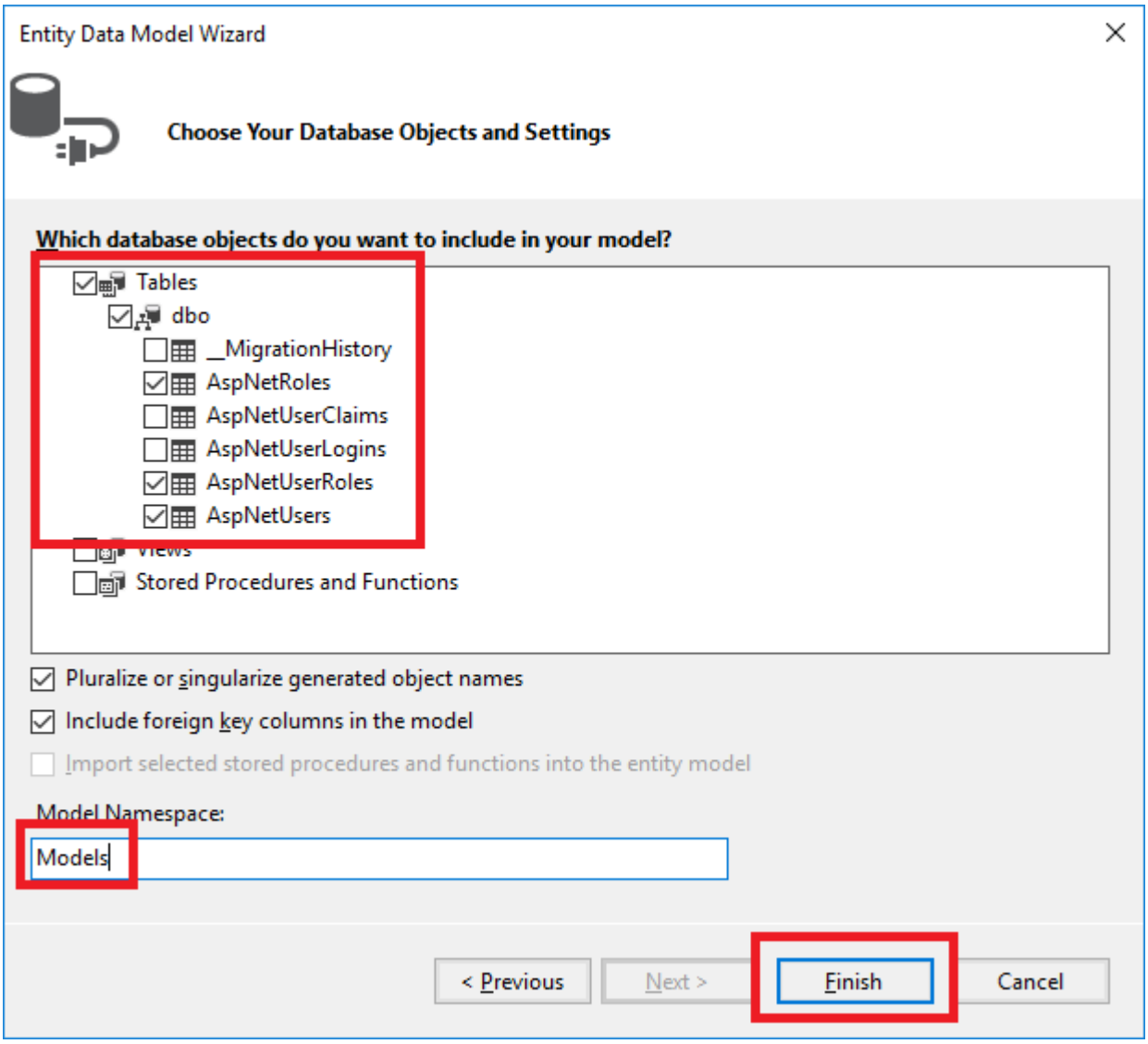

Add New Item - AlwaysEncryptedIdentityExtension
Installed
Visual C#
WPF
Data
General
SQL Server
Web
General
Markup
Scripts
Web Forms
MVC
Razor
SignalR
Web API
Windows Forms
Online
ADO.NET Entity Data Model
Visual C#
DataSet
Visual C#
EF 5.x DbContext Generator
Visual C#
EF 6.x DbContext Generator
Visual C#
SQL Server Database
Visual C#
XML File
Visual C#
XML Schema
Visual C#
XSLT File
Visual C#
Type: Visual C#
A project item for creating an ADO.NET entity Data Model.
Name:
Model
Add
Cancel



Give a name for the generated database context and click "Next". In this example the name "Entities" is used. (This is important for using the nuget)

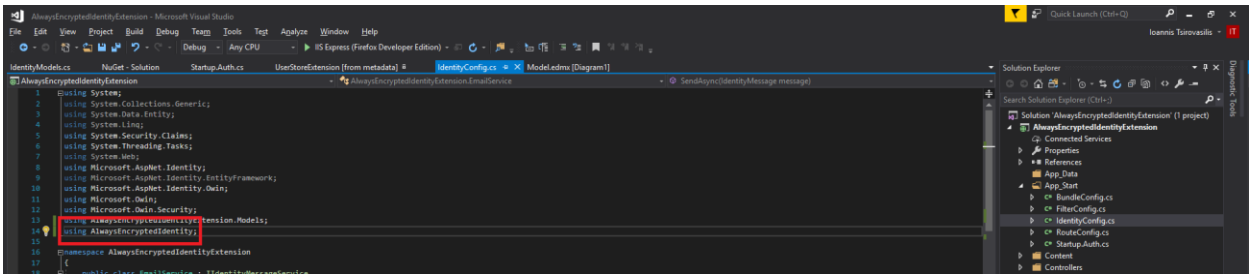


Select the tables referenced earlier to include them in the model, give it a name and click “Finish”.

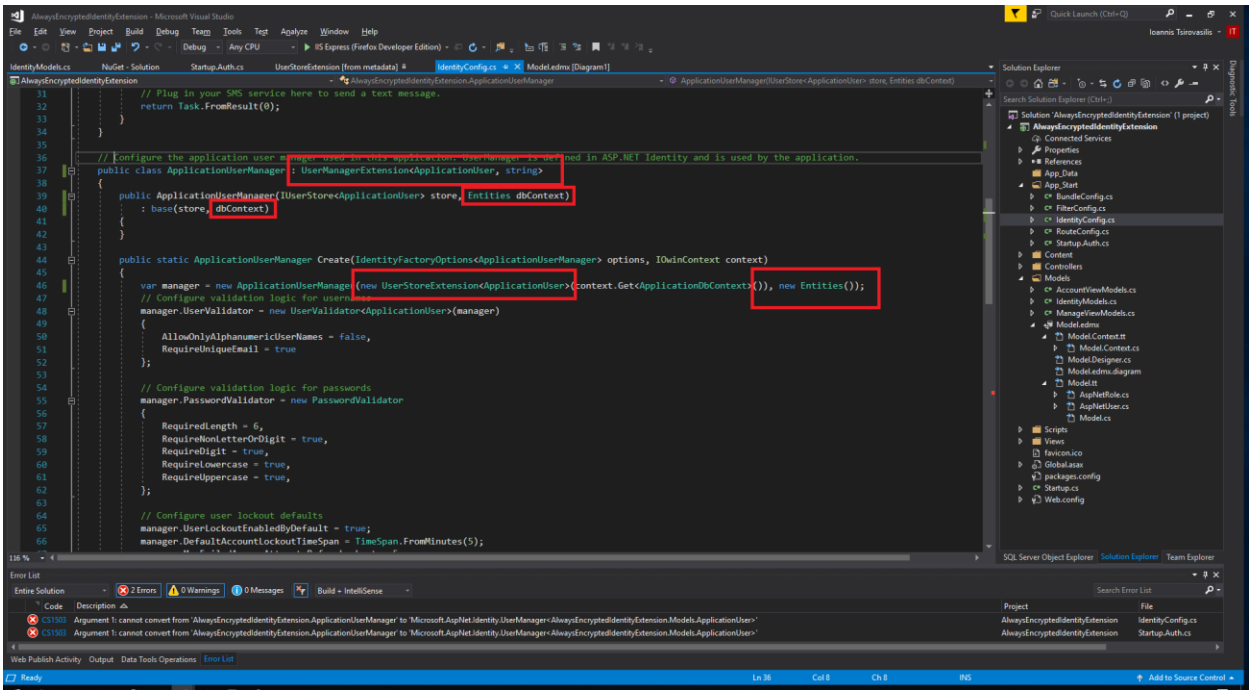


From "Solution Explorer", browse "App_Start" folder and open "IdentityConfig.cs".

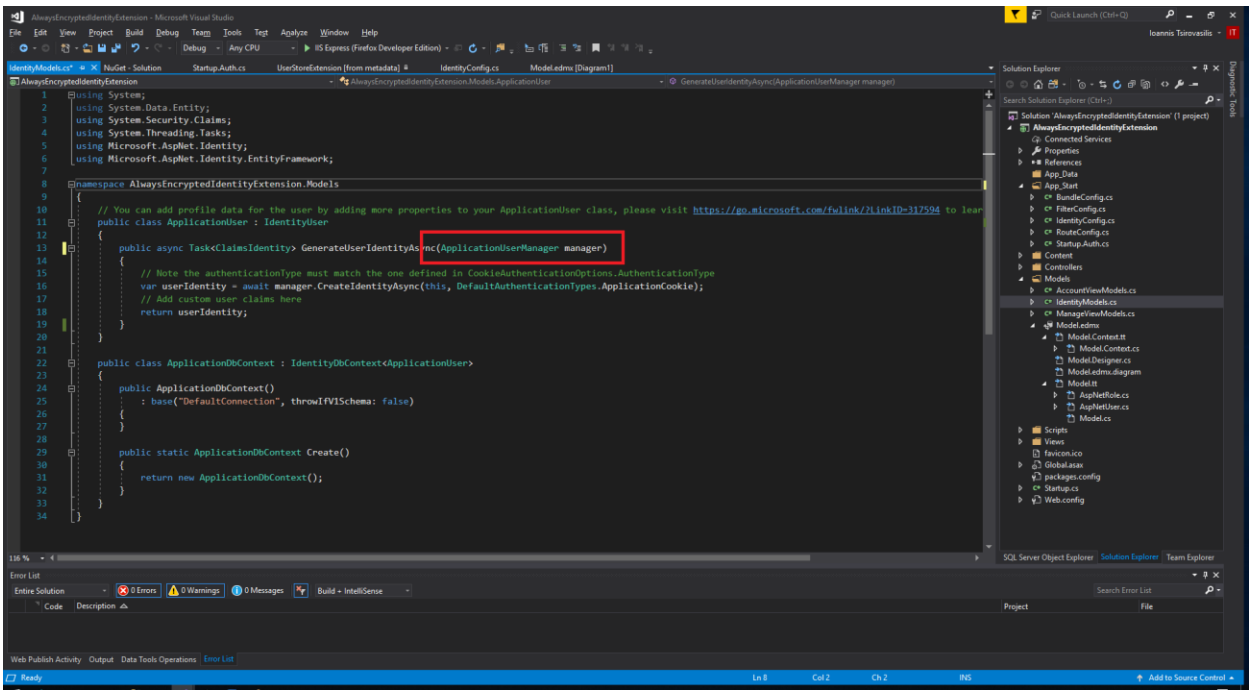
Add "using AlwaysEncryptedIdentity;" at the top of the file



Move further down and change the following lines as depicted below:



Finally browse “Models” folder from “Solution Explorer”, open “IdentityModels.cs” and change the line shown below:



The application is ready to support Always Encrypted feature.