How To Use
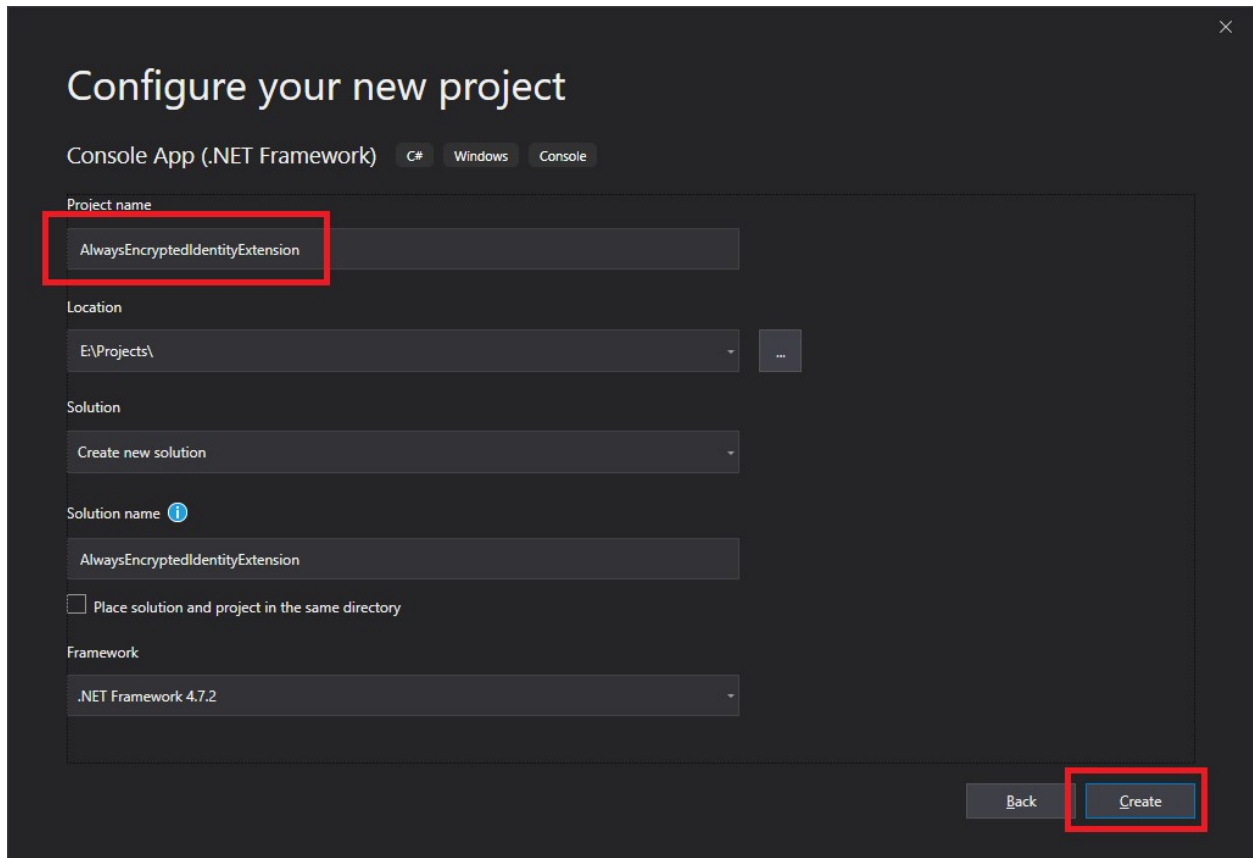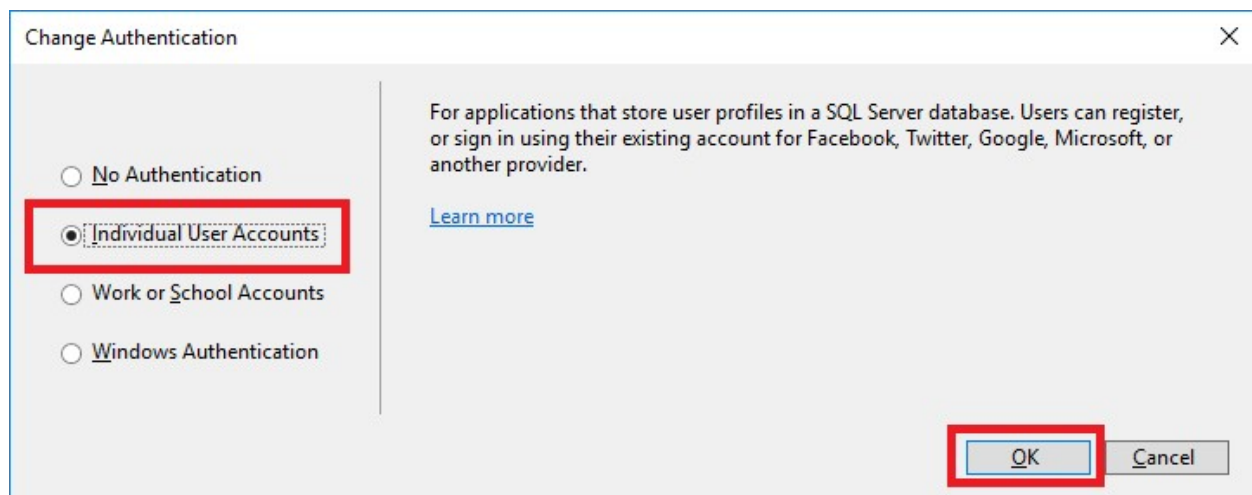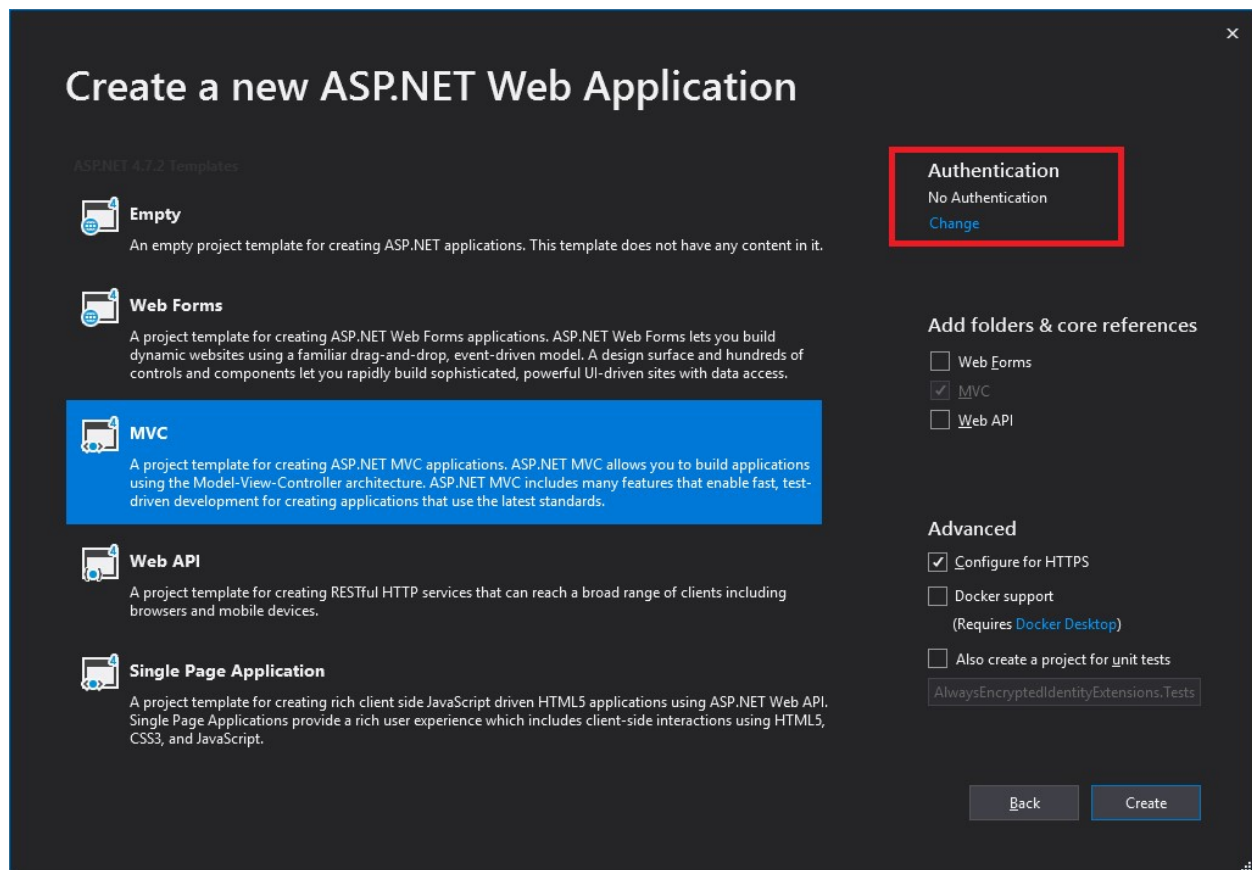
From Visual Studio browse "File" > "New" > "Project…"
Give your project a desired name. In the example below I use
"AlwaysEncryptedIdentityExtension".

Select "MVC" template and "Change" authentication to "Individual User
Accounts"

Click "OK" and "Create".

Wait for the project to load…

Download the nuget by browsing "Tools" > "NuGet Package Manager" > "Manage NuGet Packages for Solution…"
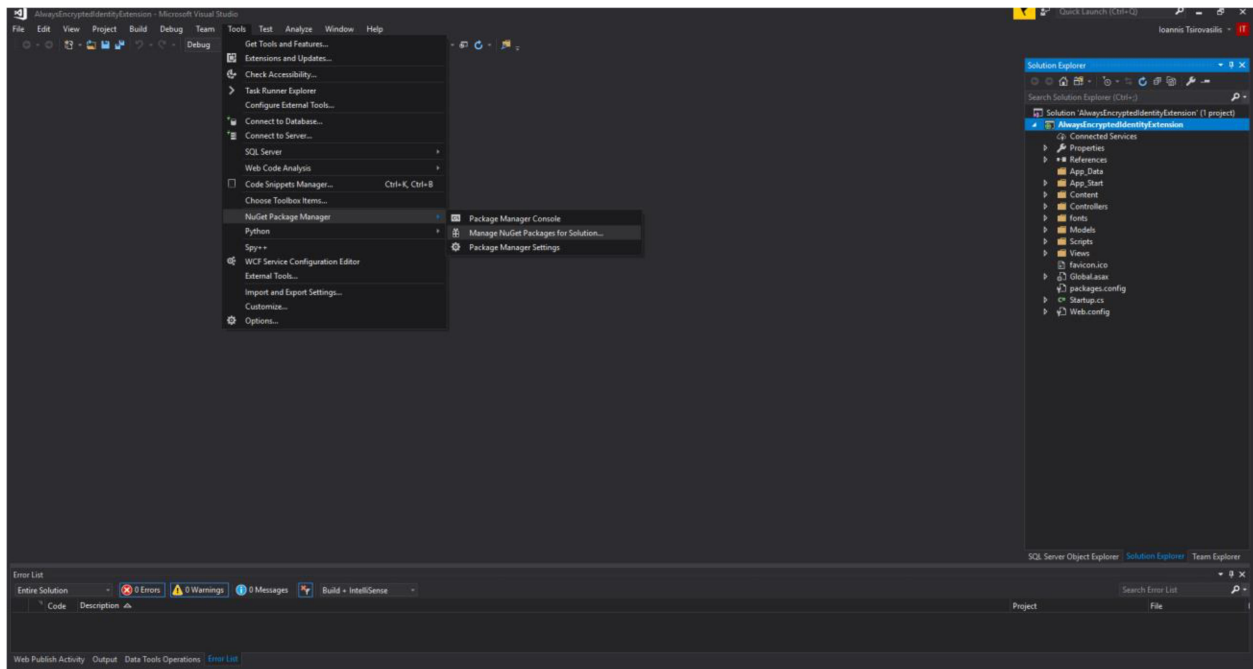
From "Browse" tab type "AlwaysEncryptedIdentity" and install the nuget.
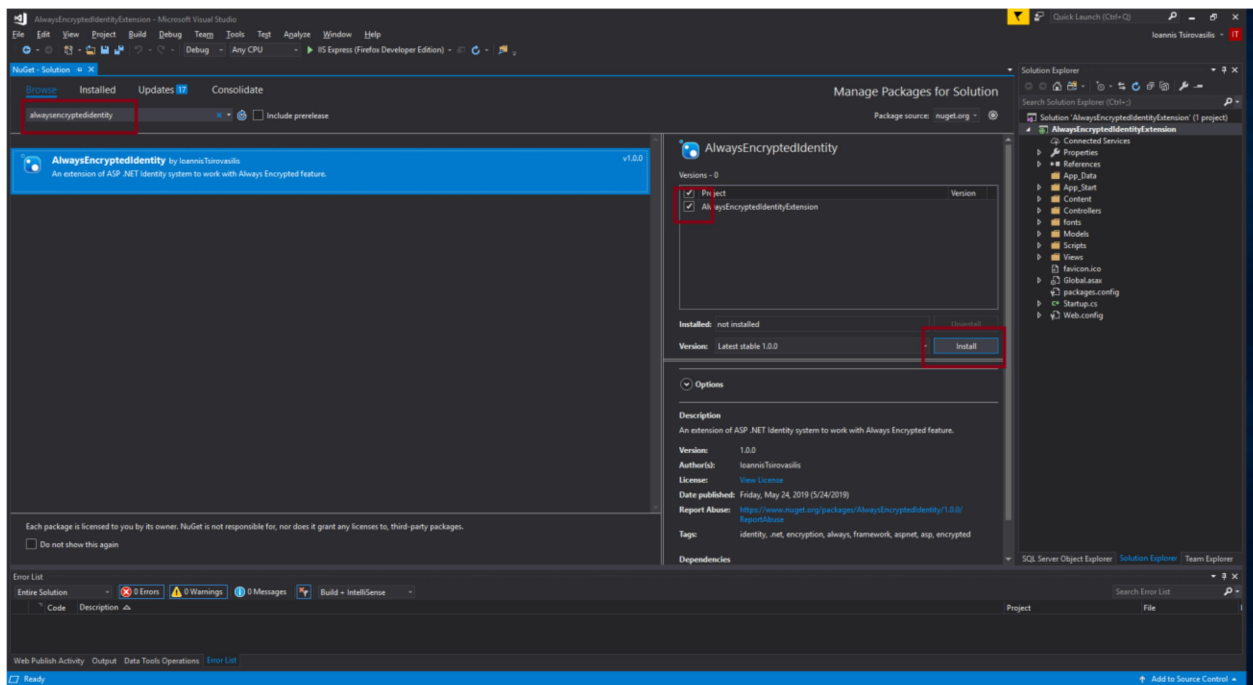
After installation completes there are a couple of necessary steps to be done in order for the nuget to work.

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

Add "using AlwaysEncryptedIdentity", at the top of the file
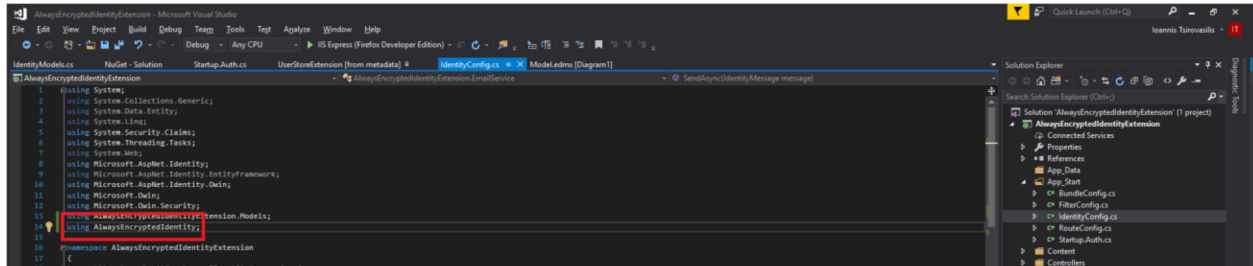
Move further down and change the following lines as depicted below:
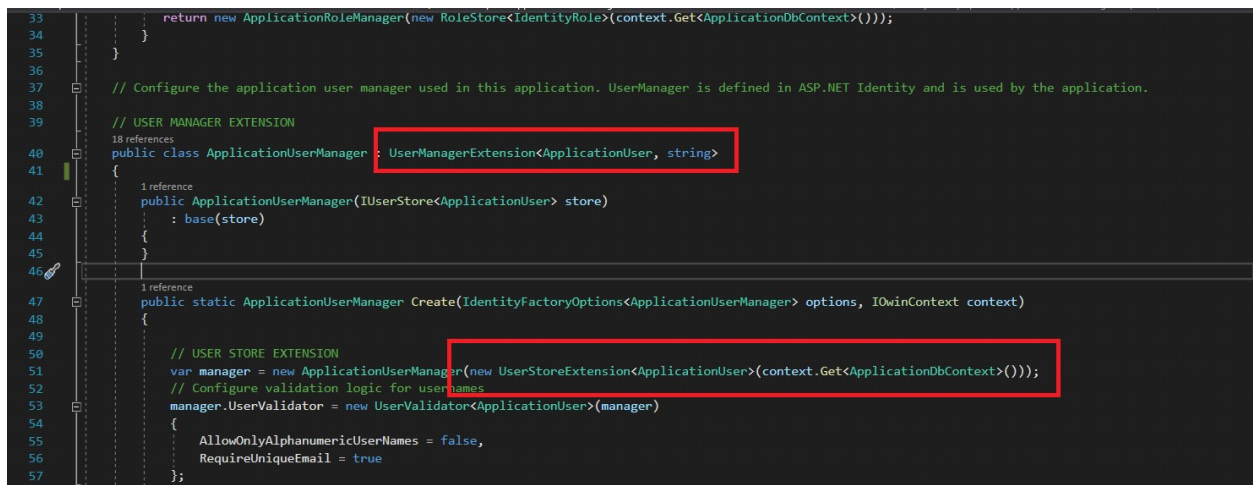
Finally browse "Models" folder from "Solution Explorer", open
"IdentityModels.cs" and add/change the lines shown below:

```
12     // You can add profile data for the user by adding more properties to your ApplicationUser class, please visit https://go.microsoft.com/fwlink/?LinkID=317
       11 references
13     public class ApplicationUser : IdentityUser
14     {
15
16         [Column(TypeName = "nvarchar(MAX)")]
           1 reference
17         public new string PhoneNumber { get; set; }
18
           2 references
19         public async Task<ClaimsIdentity> GenerateUserIdentityAsync(UserManagerExtension<ApplicationUser, string> manager)
20         {
21             // Note the authenticationType must match the one defined in CookieAuthenticationOptions.AuthenticationType
22             var userIdentity = await manager.CreateIdentityAsync(this, DefaultAuthenticationTypes.ApplicationCookie);
23             // Add custom user claims here
24             return userIdentity;
25         }
26     }
27
       6 references
28     public class ApplicationDbContext : IdentityDbContext<ApplicationUser>
29     {
           1 reference
30         public ApplicationDbContext()
31             : base("DefaultConnection", throwIfV1Schema: false)
32         {
33         }
34
```

Including the PhoneNumber property is necessary otherwise the app will throw an exception of type "Operand type clash: nvarchar(MAX) is incompatible…".

The application is ready to support Always Encrypted feature.