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ASP.NET core identity setup in blazor application

In this video we will discuss how to install and set up ASP.NET core identity in an existing blazor application. In our upcoming videos we will implement authentication using the identity API.

What is ASP.NET Core Identity

ASP.NET Core Identity is a membership system. It allows us to create, read, updat and delete user accounts. Supports account confirmation, authentication, authorisation, password recovery, two-factor authentication. It also supports external login providers like Microsoft, Facebook, Google etc.

We discussed ASP.NET Core Identity in detail in our ASP.NET Core tutorial (https://www.youtube.com/playlist?list=PL6n9fhu94yhVkdrusLaQsfERmL_Jh4XmU) If you are new to it, please check out videos from Part 65 (https://youtu.be/egITMrwMOPU) from our ASP.NET Core tutorial (https://www.youtube.com/playlist?list=PL6n9fhu94yhVkdrusLaQsfERmL_Jh4XmU)

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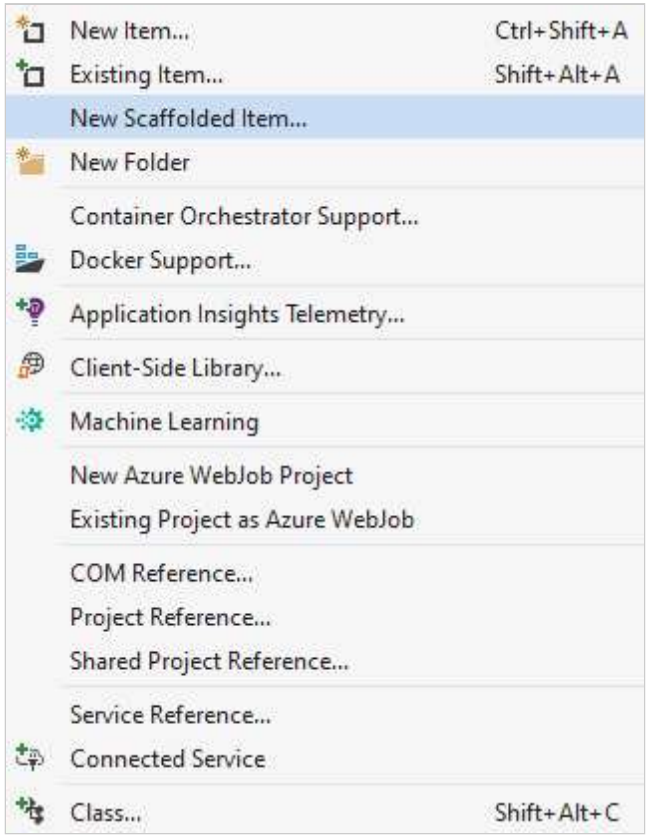
ASP.NET core identity setup in blazor

We will use Visual Studio Scaffolder to add identity support. Right click on the Blazor web project and select `Add - New Scaffolded Item...`



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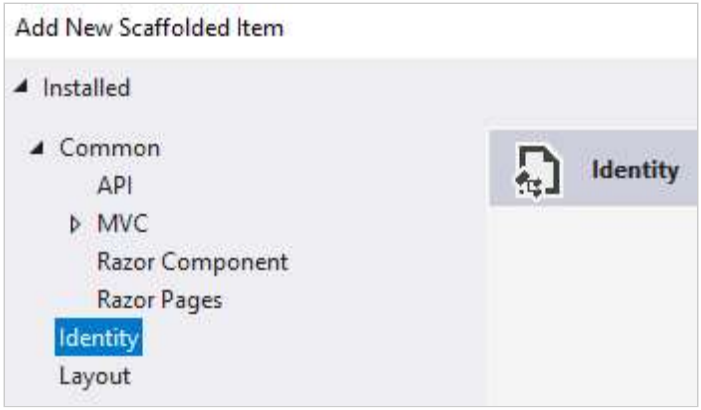
Select `Identity` from both the left and middle panes in `Add New Scaffolded Item` dialog.



On Add Identity dialog

1. Check `Override all files` - This adds all the Identity views and classes to our project, so we can modify them to meet our application specific

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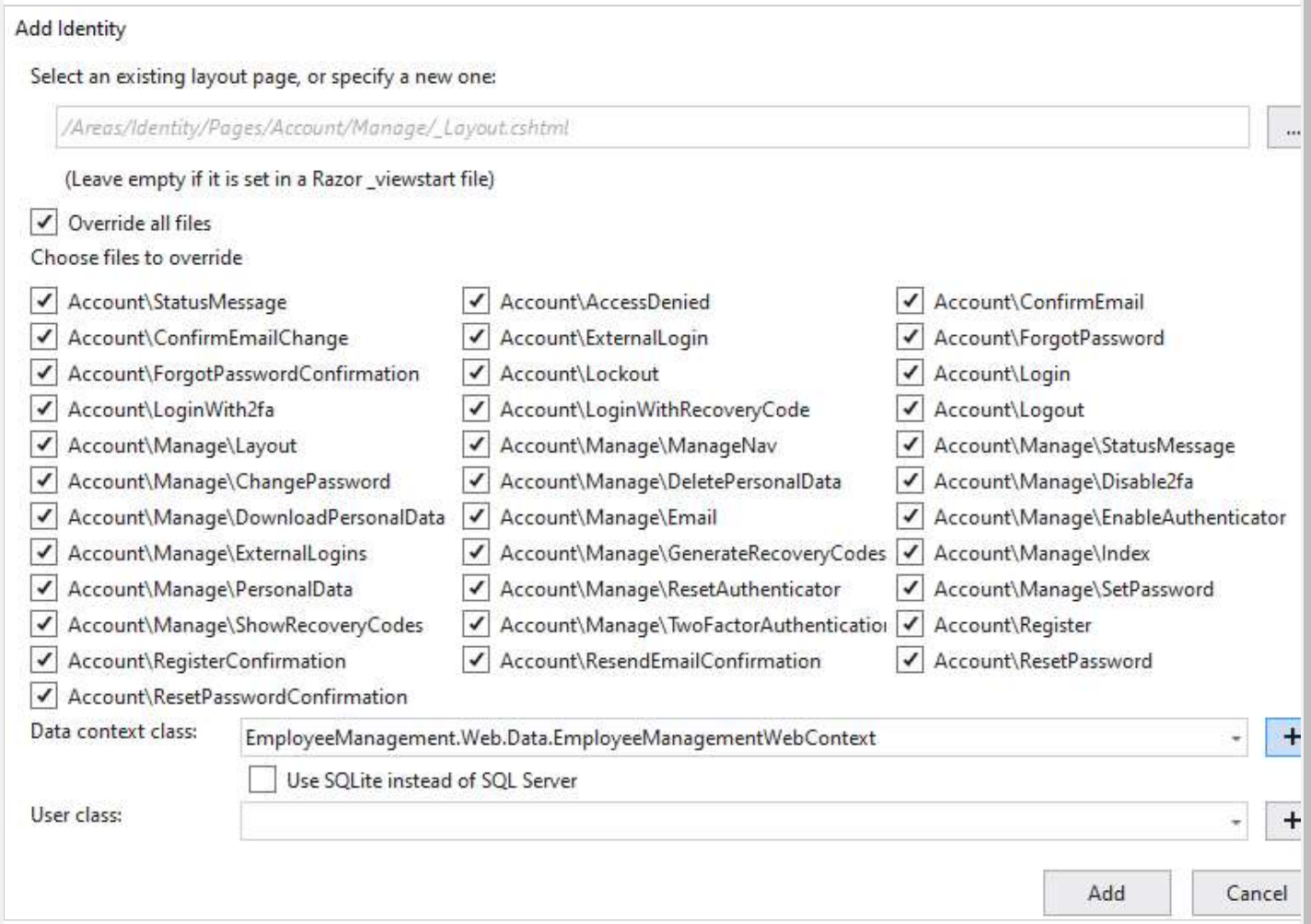
requirements.

2. Data context class - If your project already has a data context class, select it from the dropdown list. Otherwise, click the plus sign to have it generated.
3. Click `Add`



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The generated identity files are stored in `Areas/Identity` folder.

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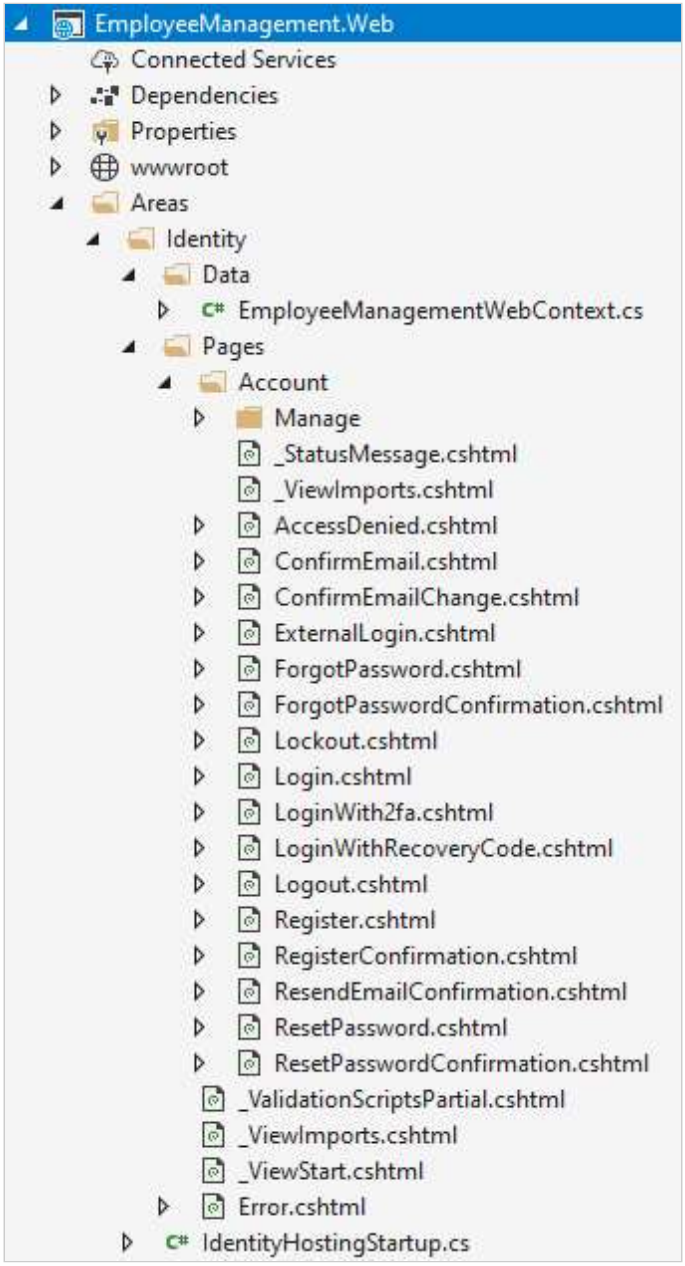

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Add and execute identity migrations

Open `Package Manager Console` and execute the following command add a migration

```
Add-Migration IdentitySupport
```

Execute the migration

```
Update-Database
```

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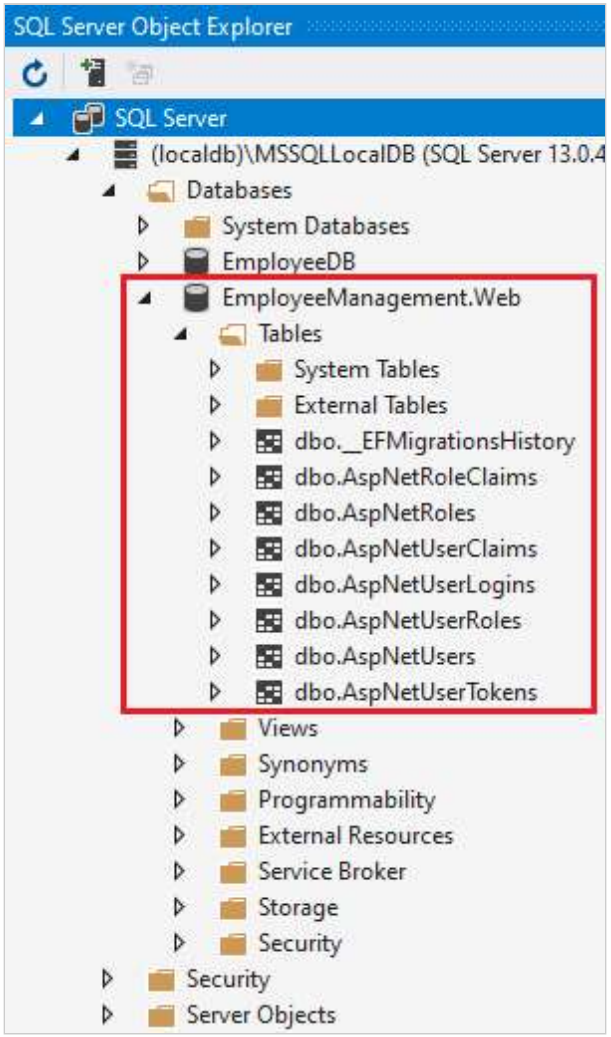
Generated Identity Tables

You can see the generated Identity tables using the `SQL Server Object Explorer` in Visual Studio. The database connection string is in `appsettings.json`.



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