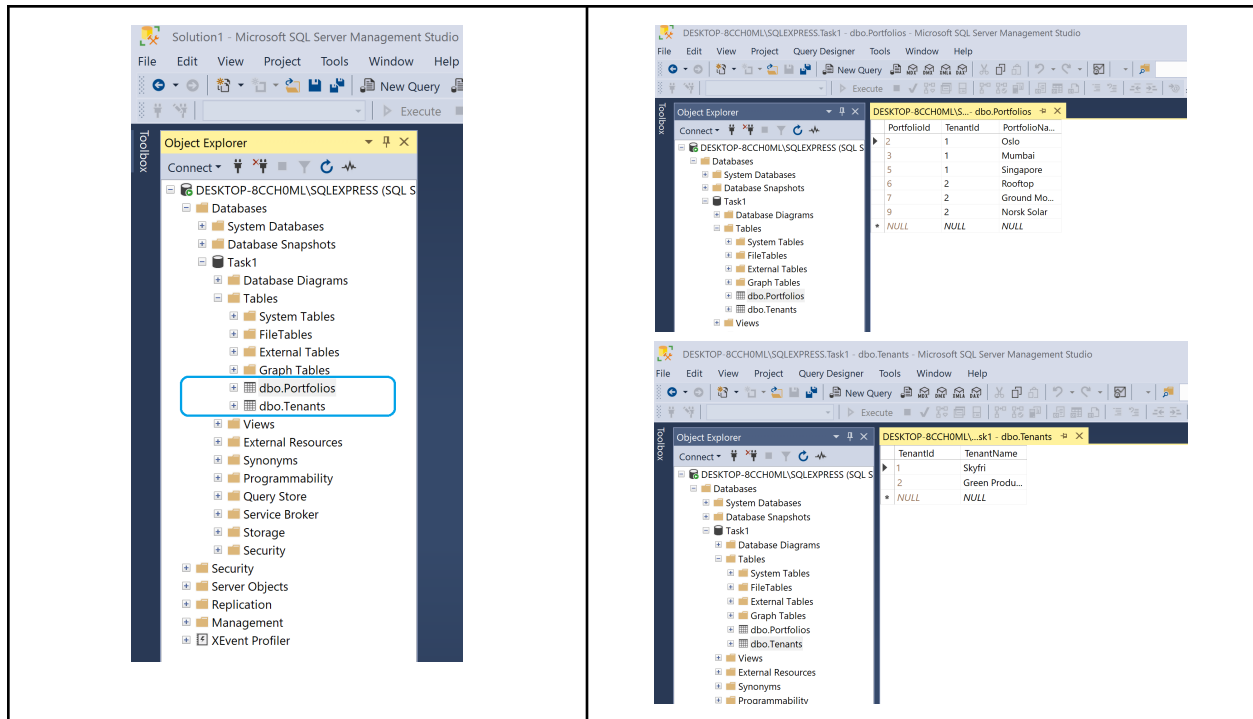


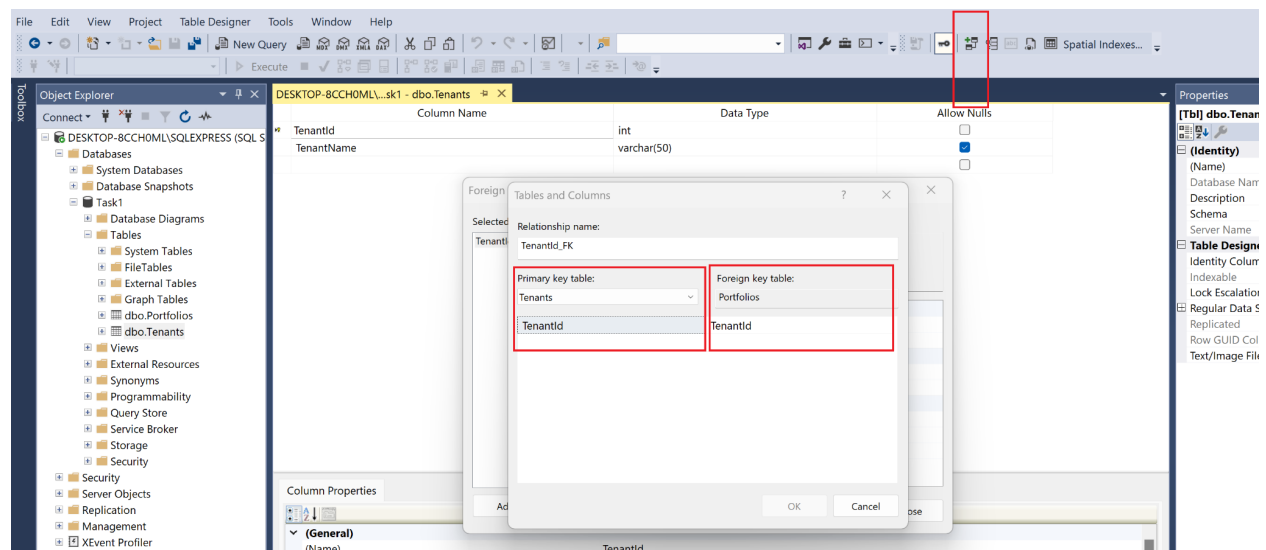
I used:

- Microsoft SQL Server Management 19
- Visual Studio Community 2022

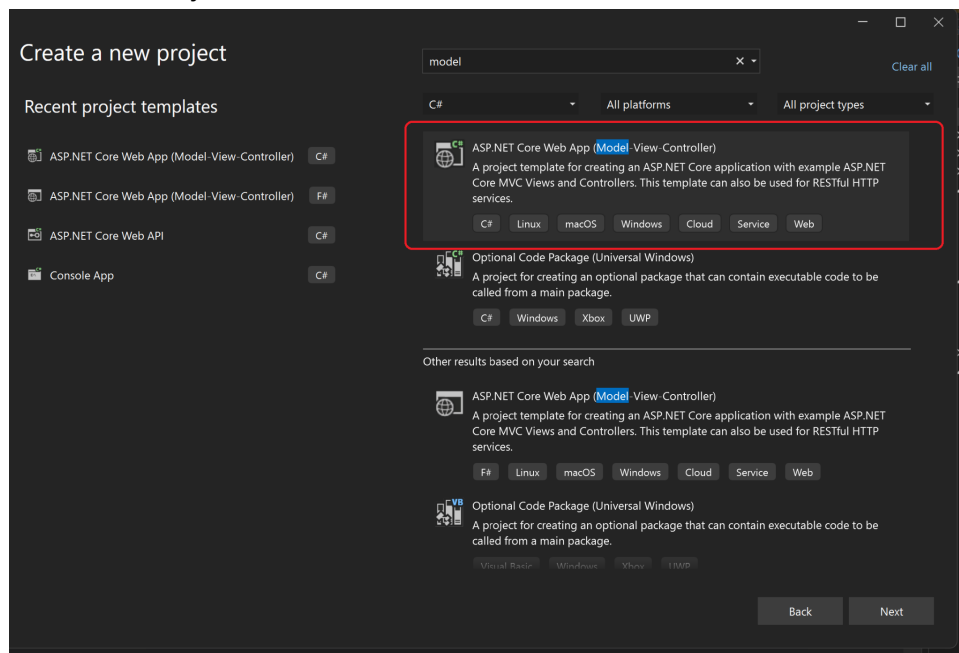
In Microsoft SQL Server, I added two tables: Tenants, and Portfolios:



After that, I added a relation between the tables:



I created a new MVC Project:



Then I added NuGet Packages for SQL:

- Microsoft.EntityFrameworkCore.SqlServer
- Microsoft.EntityFrameworkCore.Tools
- Microsoft.Extensions.Configuration

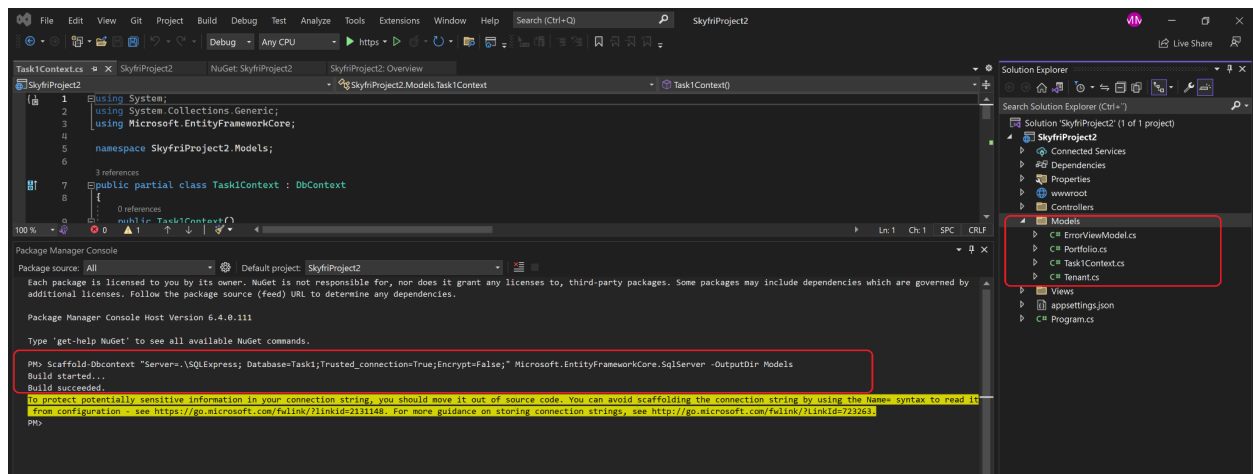
Then I connected my project with database:

Tools > NuGet Package Manager Console:

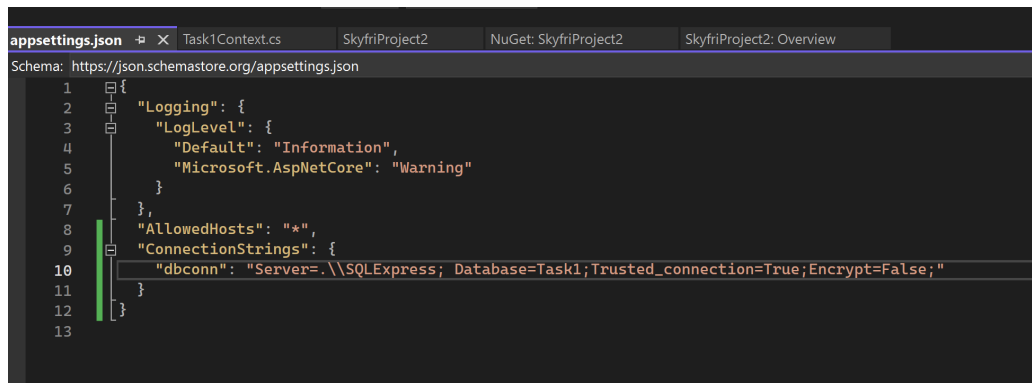
Scaffold-DbContext "Server=.\\SQLExpress;

Database=Task1;Trusted\_connection=True;Encrypt=False;"

Microsoft.EntityFrameworkCore.SqlServer -OutputDir Models

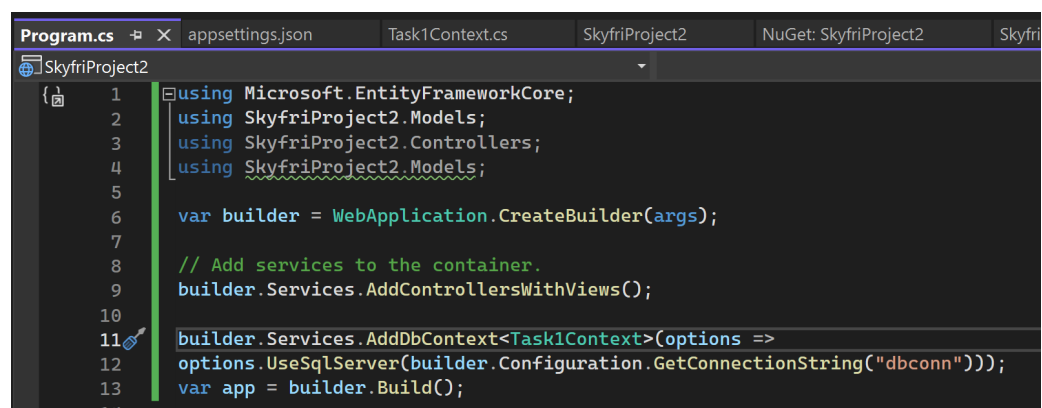


Then I set ConnectionStrings:



The screenshot shows the `appsettings.json` file in Visual Studio. The file is part of a project named `SkyfriProject2`. The schema is `https://json.schemastore.org/appsettings.json`. The JSON content is as follows:

```
{
  "Logging": {
    "LogLevel": {
      "Default": "Information",
      "Microsoft.AspNetCore": "Warning"
    }
  },
  "AllowedHosts": "*",
  "ConnectionStrings": {
    "dbconn": "Server=\\.\\SQLExpress; Database=Task1;Trusted_connection=True;Encrypt=False;"
  }
}
```



The screenshot shows the `Program.cs` file in Visual Studio. The file is part of a project named `SkyfriProject2`. The code is as follows:

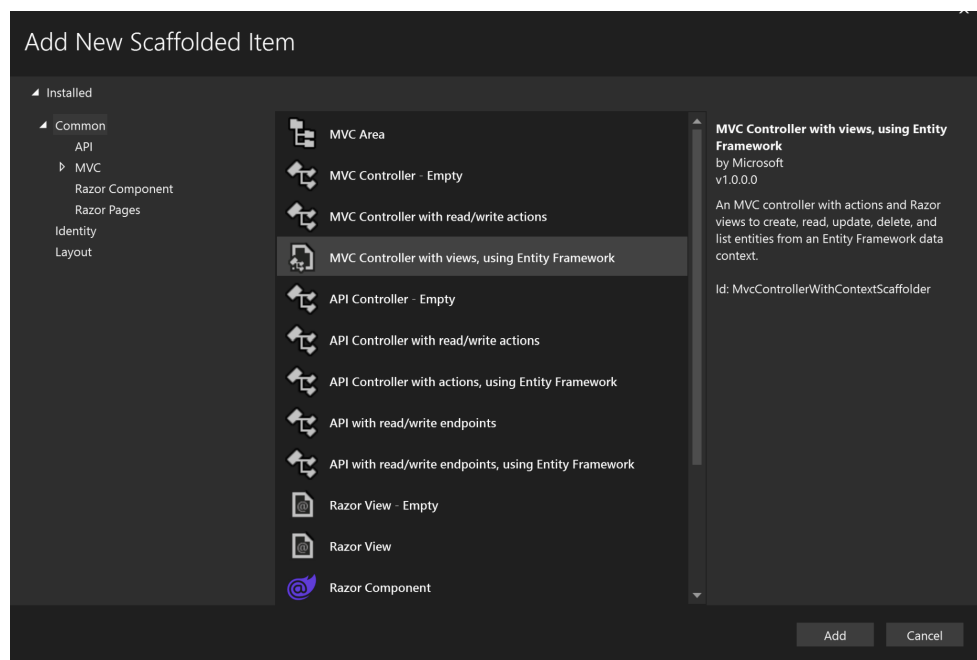
```
using Microsoft.EntityFrameworkCore;
using SkyfriProject2.Models;
using SkyfriProject2.Controllers;
using SkyfriProject2.Models;

var builder = WebApplication.CreateBuilder(args);

// Add services to the container.
builder.Services.AddControllersWithViews();

builder.Services.AddDbContext<Task1Context>(options =>
options.UseSqlServer(builder.Configuration.GetConnectionString("dbconn")));
var app = builder.Build();
```

Then in controller : add > new Scaffolded Item (MVC- Entity Framework for Portfolio and Tenant)



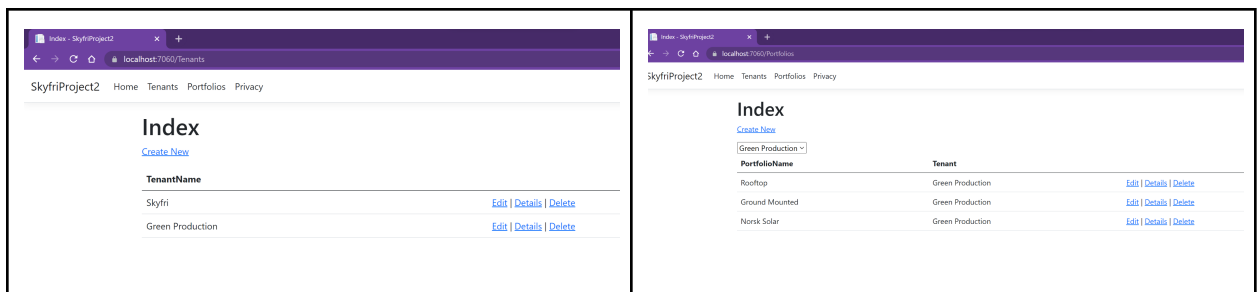
I added linked in the layout file:

```
14 <nav class="navbar navbar-expand-sm navbar-toggleable-sm navbar-light bg-white border-bottom box-shadow mb-3">
15   <div class="container-fluid">
16     <a class="navbar-brand" asp-area="" asp-controller="Home" asp-action="Index">SkyfriProject2</a>
17     <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target=".navbar-collapse" aria-controls="navbarSupportedContent"
18       aria-expanded="false" aria-label="Toggle navigation">
19       <span class="navbar-toggler-icon"></span>
20     </button>
21     <div class="navbar-collapse collapse d-sm-inline-flex justify-content-between">
22       <ul class="navbar-nav flex-grow-1">
23         <li class="nav-item">
24           <a class="nav-link text-dark" asp-area="" asp-controller="Home" asp-action="Index">Home</a>
25         </li>
26         <li class="nav-item">
27           <a class="nav-link text-dark" asp-area="" asp-controller="Tenants" asp-action="Index">Tenants</a>
28         </li>
29         <li class="nav-item">
30           <a class="nav-link text-dark" asp-area="" asp-controller="Portfolios" asp-action="Index">Portfolios</a>
31         </li>
32         <li class="nav-item">
33           <a class="nav-link text-dark" asp-area="" asp-controller="Home" asp-action="Privacy">Privacy</a>
34         </li>
35       </ul>
36     </div>
37   </div>
38 </nav>
39 <div class="container">
40   <main role="main" class="pb-3">
41     @RenderBody()
42   </main>
43 </div>
```

Then I run it:



Tenant and Portfolio page:



CRUD Tenants:

Create - SkyfriProject2

localhost:7060/Tenants/Create

SkyfriProject2 Home Tenants Portfolios Privacy

Create

Tenant

TenantName

Test Tenant

Create

Back to List

Index - SkyfriProject2

localhost:7060/Tenants

SkyfriProject2 Home Tenants Portfolios Privacy

Index

Create New

TenantName

Skyfri

Green Production

Test Tenant

Edit | Details | Delete

Edit | Details | Delete

Edit | Details | Delete

Edit - SkyfriProject2

localhost:7060/Tenants/Edit/7

SkyfriProject2 Home Tenants Portfolios Privacy

Edit

Tenant

TenantName

Edit in Test Tenant

Save

Back to List

Index - SkyfriProject2

localhost:7060/Tenants

SkyfriProject2 Home Tenants Portfolios Privacy

Index

Create New

TenantName

Skyfri

Green Production

Edit in Test Tenant

Edit | Details | Delete

Edit | Details | Delete

Edit | Details | Delete

Delete - SkyfriProject2

localhost:7060/Tenants/Delete/7

SkyfriProject2 Home Tenants Portfolios Privacy

Delete

Are you sure you want to delete this?

Tenant

TenantName

Edit in Test Tenant

Delete

Back to List

Index - SkyfriProject2

localhost:7060/Tenants

SkyfriProject2 Home Tenants Portfolios Privacy

Index

Create New

TenantName

Skyfri

Green Production

Edit | Details | Delete

Edit | Details | Delete

CRUD Portfolios:

Index - SkyfriProject2

localhost:7060/Portfolios

SkyfriProject2 Home Tenants Portfolios Privacy

Index

Create New

Skyfri

PortfolioName	Tenant	
Oslo	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>
Mumbai	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>
Singapore	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>

Details - SkyfriProject2

localhost:7060/Portfolios/Details/2

SkyfriProject2 Home Tenants Portfolios Privacy

Details

Portfolio

PortfolioName

Oslo

Tenant

1

Edit | Back to List

Create - SkyfriProject2

localhost:7060/Portfolios/Create

SkyfriProject2 Home Tenants Portfolios Privacy

Create

Portfolio

TenantId

1

PortfolioName

Test Portfolio

Create

Back to List

Index - SkyfriProject2

localhost:7060/Portfolios

SkyfriProject2 Home Tenants Portfolios Privacy

Index

Create New

Skyfri

PortfolioName	Tenant	
Oslo	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>
Mumbai	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>
Singapore	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>
Test Portfolio	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>

Edit - SkyfriProject2

localhost:7060/Portfolios/Edit/12

SkyfriProject2 Home Tenants Portfolios Privacy

Edit

Portfolio

TenantId

1

PortfolioName

Edit in Test Portfolio

Save

Back to List

Index - SkyfriProject2

localhost:7060/Portfolios

SkyfriProject2 Home Tenants Portfolios Privacy

Index

Create New

Skyfri

PortfolioName	Tenant	
Oslo	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>
Mumbai	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>
Singapore	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>
Edit in Test Portfolio	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>

Delete - SkyfriProject2

localhost:7060/Portfolios/Delete/12

SkyfriProject2 Home Tenants Portfolios Privacy

Delete

Are you sure you want to delete this?

Portfolio

PortfolioName

Edit in Test Portfolio

Tenant

1

Delete

 | Back to List

Index - SkyfriProject2

localhost:7060/Portfolios

SkyfriProject2 Home Tenants Portfolios Privacy

Index

Create New

Skyfri

PortfolioName	Tenant	
Oslo	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>
Mumbai	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>
Singapore	Skyfri	<a>Edit</a>   <a>Details</a>   <a>Delete</a>

