EFCoreExistingDatabase ASPDotNETCore

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Tutorial from: Getting Started with EF Core on ASP. NET Core with an Existing Database ## Prerequisites

Install the following: - Visual Studio 2017 version 15.7 or later with these workloads: - ASP.NET and web development (under Web & Cloud) - .NET Core cross-platform development (under Other Toolsets) - .NET Core 2.1 SDK or higher - Have completed the previous exercise, *EFCoreNewDatabase*

Create a new project

- Open Visual Studio
- Select Create a new project
 - Select ASP.NET Core Web Application
 - * Enter *FriendsApp2* in the *Project name* field
- In the Create a new ASP.NET Core Web Application screen:
 - Select .NET Core and ASP.NET Core 2.0 or higher
 - Select the *Empty* project template
 - Make sure that Authentication is set to *No Authentication*

Install Entity Framework Core

- For this tutorial, you don't have to install a provider package because the tutorial uses SQL Server.
 - The SQL Server provider package is included in the Microsoft.AspnetCore.App metapackage.

Reverse engineer your model

- Select Tools > NuGet Package Manager > Package Manager Console
 - Run the following command: Create a model from an existing
 database Scaffold-DbContext "Server=(localdb)\mssqllocaldb;Database=Friendship;Trus
 Microsoft.EntityFrameworkCore.SqlServer -OutputDir
 Models

Register the context with dependency injection

• In the Startup.cs file, add the following: Startup.cs > using statements

```
using FriendsApp2.Models;
using Microsoft.EntityFrameworkCore;
Startup.cs > Configure Services()
public void ConfigureServices(IServiceCollection services)
    services.AddMvc();
    string connection = @"Server=(localdb)\\mssqllocaldb;Database=Friendship;
                                Trusted_Connection=True;ConnectRetryCount=0";
        services.AddDbContext<FriendshipContext>
            (options => options.UseSqlServer(connection));
}
Startup.cs > Configure
public void Configure(IApplicationBuilder app, IHostingEnvironment env)
    app.UseStaticFiles();
    app.UseMvc(routes =>
        routes.MapRoute(
            name: "Default",
            template: "{controller}/{action}/{id?}",
            defaults: new { controller = "People", action = "Index" }
        );
    });
}
```

Create a controller and views

- Right-click on the *FriendsApp2* Project Name (again, not the Solution Name above) and select $Add > New \ Folder$
 - Enter *Controllers* as the folder name
- Right-click on the Controllers folder and select Add > Controller
 - Select MVC Controller with views, using Entity Framework
 - * Set Model class to **People** and Data context class to **Friend-ship Context**
 - * Make sure that $Use\ a\ Layout\ Page$ is not selected.

Import ASP.NET Core Tag Helpers

- Right-click on the $\it Views$ folder and select $\it Add > \it New Item$
 - On the left, navigate to $ASP.NET\ Core > Web > ASP.NET$
 - * Select *Razor View Imports* and leave the default ***_ViewImports.cshtml*** file name
- Replace the contents of the file with the following code: ViewImports.cshtml code @addTagHelper *, Microsoft.AspNetCore.Mvc.TagHelpers

Run the application

- On your keyboard, press CTRL + F5 to start without debugging
 Displayed in the browser is your previous list of Persons, or Friends
- Click Create New to add your first Friend
 - Explore the rest of the options available

(Optional) Add style to your application

- Select $Tools > NuGet\ Package\ Manager > Package\ Manager\ Console$
- Run the following command as one single line: Bootstrap installation commands libman install twitter-bootstrap@4.0.0-alpha.6 --destination FriendsApp2/wwwroot/lib/bootstrap/dist --provider cdnjs install location may be at the .sln level...move into the FriendsApp project folder
- Navigate to each individual view .cshtml file
 - In the < head > section, add < link href="~/lib/bootstrap/dist/css/bootstrap.css" rel="stylesheet" />
 - In the < body > tag, add style="margin: 20px; padding: 20px; box-shadow: 0 1px 5px rgba(104, 104, 104, 0.8);"
 - In every < a asp-action > tag, add class="btn btn-info"
 - In every tag, add class="table table-striped"