Learning ASP.Net

12

Creating a very important class which access as the bridge between our code and our DB.

This is the DBContext class

Any Data related class will go in the Data folder

We are going to derive from the DBContext class and we get this from Entity Framework

DbContet instance represents a session with the database and can be used to query and save instances of your entities.

We need to generate a constructor : VS Code or C Sharp extension is smart enough to look inside the DBContext class and see what different constructors it has available.

One of them is to generate DBContextOptions

We will pass some options here from the Startup configuration

We need to add this configuration to our startup class so we can then inject the DataContext into other parts of our application.

In Startup Class:

We want to inject this to other part of our application we need to use our ConfigureService method and we need also to create a connection string to our database

13

We will create the connection string to connect to the DB

We do it typically to add it to our confirmation file: appsettings.Development.json

ConnectionStrings needs to be exactly as it is written

SQLite connection strings are VERY simple (no password, no userinfo) only the name of the DB file

NEEDS TO BE ACCURATELY TYPED!

We need to pass this configuration into our options at the Startupconfiguration

We need to create a migration use dotnet ef (lookup on Nuget.org)

15 Fetching the data from the DB via API