Apsnet razor pages mvc with Model First approach

1 create new project with mvc type

2 create new database in SQL Server

3 appsettings.json for the connenction strings

4 subfolder Core create stuff (packages) for own action in the model like enums.cs

5 create enum.cs UserRole

6 create model, means Entities and then do the migration. All this called ORM. With migration we mean the transer to the DB

7 All my models , means entities, like students, teachers, courses, museums, monuments has a properties. The main property to be apply for the mapping is the **Id** (usually with PascalCase form).

Also must be exists **navigation properties**, means relationship between properties among tables.

(reference or collection) is a **Virtual** properties for override action

8 create Data subfolder where create first an abstract class for the common properties of entities.

Create user.cs class extended from BaseEntity , the abstract class!!!

Create our model based on user.cs with each other extra property we want

9. CREATE THE DBCONTEXT.CS VERY IMPORTANT FILE

In this project CultureGRDBContext.cs. Make here the migration. First step create tables to the already emptyDB which creatd “CultureGR”

10. Go to the program.cs to make variables for connection string and built the Service “AddDbContext”

11 prepare the Migration. Go to Tools in the menu bar, select NuGet Package Manager and select Package Manager Control

Add-Migration InitialCreateCultureGR

Built …. -🡪 Built Success!!!

12 when the Migration is successfully building in the project, created the subfolder “Migration”. Here is a file with the initial action and an other with keep the update with only the corrects or adding stuff for the next migrations. Of course migration iw usually take affect many times in a projects. The ther time type “Add-Migration FixedCultureGR” for example.

13 It now time to Update-Database to create the tables in the empty DB CultureGR.

PM> Update-Databese

Build started … -🡪 Build Succeded

In subfolder

C:\Program Files\Microsoft SQL Server 2022 EXPRESS\MSSQL16.SQLEXPRESS\MSSQL\DATA

Will create an mdf file , the CultureGR.mdf and the console of PM will appear the **schema** of the Databse:

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (226ms) [Parameters=[], CommandType='Text', CommandTimeout='60']

CREATE DATABASE [CultureGRE];

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (102ms) [Parameters=[], CommandType='Text', CommandTimeout='60']

IF SERVERPROPERTY('EngineEdition') <> 5

BEGIN

ALTER DATABASE [CultureGRE] SET READ\_COMMITTED\_SNAPSHOT ON;

END;

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (10ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

SELECT 1

Microsoft.EntityFrameworkCore.Migrations[20411]

Acquiring an exclusive lock for migration application. See https://aka.ms/efcore-docs-migrations-lock for more information if this takes too long.

Acquiring an exclusive lock for migration application. See https://aka.ms/efcore-docs-migrations-lock for more information if this takes too long.

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (24ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

DECLARE @result int;

EXEC @result = sp\_getapplock @Resource = '\_\_EFMigrationsLock', @LockOwner = 'Session', @LockMode = 'Exclusive';

SELECT @result

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (15ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

IF OBJECT\_ID(N'[\_\_EFMigrationsHistory]') IS NULL

BEGIN

CREATE TABLE [\_\_EFMigrationsHistory] (

[MigrationId] nvarchar(150) NOT NULL,

[ProductVersion] nvarchar(32) NOT NULL,

CONSTRAINT [PK\_\_\_EFMigrationsHistory] PRIMARY KEY ([MigrationId])

);

END;

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

SELECT 1

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

SELECT OBJECT\_ID(N'[\_\_EFMigrationsHistory]');

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (24ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

SELECT [MigrationId], [ProductVersion]

FROM [\_\_EFMigrationsHistory]

ORDER BY [MigrationId];

Microsoft.EntityFrameworkCore.Migrations[20402]

Applying migration '20250202111022\_FixeInitialCreateCultureGR'.

Applying migration '20250202111022\_FixeInitialCreateCultureGR'.

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (5ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE TABLE [HistorianArchPlaces] (

[Id] int NOT NULL IDENTITY,

[EditorialTeam] int NOT NULL,

[Username] nvarchar(450) NOT NULL,

[WorkPhoneNumber] nvarchar(255) NOT NULL,

[UserId] int NOT NULL,

[InsertedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

[ModifiedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

CONSTRAINT [PK\_HistorianArchPlaces] PRIMARY KEY ([Id])

);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (3ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE TABLE [HistorianMonuments] (

[Id] int NOT NULL IDENTITY,

[EditorialTeam] int NOT NULL,

[Username] nvarchar(450) NOT NULL,

[WorkPhoneNumber] nvarchar(255) NOT NULL,

[UserId] int NOT NULL,

[InsertedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

[ModifiedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

CONSTRAINT [PK\_HistorianMonuments] PRIMARY KEY ([Id])

);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (2ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE TABLE [HistorianMuseums] (

[Id] int NOT NULL IDENTITY,

[EditorialTeam] int NOT NULL,

[Username] nvarchar(450) NOT NULL,

[WorkPhoneNumber] nvarchar(255) NOT NULL,

[UserId] int NOT NULL,

[InsertedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

[ModifiedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

CONSTRAINT [PK\_HistorianMuseums] PRIMARY KEY ([Id])

);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (4ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE TABLE [Records] (

[Id] int NOT NULL IDENTITY,

[Descr] nvarchar(255) NOT NULL,

[HistorianArchPlacesId] int NULL,

[HistorianMonumentsId] int NULL,

[HistorianMuseumsId] int NULL,

[SubscriberId] int NULL,

[WriterArchPlacesId] int NULL,

[WriterMonumentsId] int NULL,

[WriterMuseumsId] int NULL,

CONSTRAINT [PK\_Records] PRIMARY KEY ([Id]),

CONSTRAINT [FK\_Records\_HistorianArchPlaces\_HistorianArchPlacesId] FOREIGN KEY ([HistorianArchPlacesId]) REFERENCES [HistorianArchPlaces] ([Id]),

CONSTRAINT [FK\_Records\_HistorianMonuments\_HistorianMonumentsId] FOREIGN KEY ([HistorianMonumentsId]) REFERENCES [HistorianMonuments] ([Id]),

CONSTRAINT [FK\_Records\_HistorianMuseums\_HistorianMuseumsId] FOREIGN KEY ([HistorianMuseumsId]) REFERENCES [HistorianMuseums] ([Id])

);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (8ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE TABLE [Users] (

[Id] int NOT NULL IDENTITY,

[Username] nvarchar(255) NOT NULL,

[Email] nvarchar(255) NOT NULL,

[Password] nvarchar(60) NOT NULL,

[RePassword] nvarchar(60) NOT NULL,

[Firstname] nvarchar(255) NOT NULL,

[Lastname] nvarchar(255) NOT NULL,

[UserRole] nvarchar(255) NOT NULL,

[RecordId] int NULL,

[InsertedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

[ModifiedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

CONSTRAINT [PK\_Users] PRIMARY KEY ([Id]),

CONSTRAINT [FK\_Users\_Records\_RecordId] FOREIGN KEY ([RecordId]) REFERENCES [Records] ([Id])

);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (4ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE TABLE [Subscribers] (

[Id] int NOT NULL IDENTITY,

[Username] nvarchar(255) NOT NULL,

[Email] nvarchar(255) NOT NULL,

[Password] nvarchar(255) NOT NULL,

[RePassword] nvarchar(255) NOT NULL,

[Firstname] nvarchar(255) NOT NULL,

[Lastname] nvarchar(255) NOT NULL,

[Banned] bit NOT NULL,

[UserId] int NOT NULL,

[UserRole] int NOT NULL,

[InsertedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

[ModifiedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

CONSTRAINT [PK\_Subscribers] PRIMARY KEY ([Id]),

CONSTRAINT [FK\_Subscribers\_Users\_UserId] FOREIGN KEY ([UserId]) REFERENCES [Users] ([Id]) ON DELETE CASCADE

);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (7ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE TABLE [WriterArchPlaces] (

[Id] int NOT NULL IDENTITY,

[EditorialTeam] int NOT NULL,

[Username] nvarchar(max) NOT NULL,

[WorkPhoneNumber] nvarchar(255) NOT NULL,

[UserId] int NOT NULL,

[UserRole] int NOT NULL,

[InsertedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

[ModifiedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

CONSTRAINT [PK\_WriterArchPlaces] PRIMARY KEY ([Id]),

CONSTRAINT [FK\_WriterArchPlaces\_Users\_UserId] FOREIGN KEY ([UserId]) REFERENCES [Users] ([Id]) ON DELETE CASCADE

);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (3ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE TABLE [WriterMonuments] (

[Id] int NOT NULL IDENTITY,

[EditorialTeam] int NOT NULL,

[Username] nvarchar(max) NOT NULL,

[WorkPhoneNumber] nvarchar(255) NOT NULL,

[UserId] int NOT NULL,

[UserRole] int NOT NULL,

[InsertedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

[ModifiedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

CONSTRAINT [PK\_WriterMonuments] PRIMARY KEY ([Id]),

CONSTRAINT [FK\_WriterMonuments\_Users\_UserId] FOREIGN KEY ([UserId]) REFERENCES [Users] ([Id]) ON DELETE CASCADE

);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (3ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE TABLE [WriterMuseums] (

[Id] int NOT NULL IDENTITY,

[EditorialTeam] int NOT NULL,

[Username] nvarchar(max) NOT NULL,

[WorkPhoneNumber] nvarchar(255) NOT NULL,

[UserId] int NOT NULL,

[UserRole] int NOT NULL,

[InsertedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

[ModifiedAt] datetime2 NOT NULL DEFAULT (GETDATE()),

CONSTRAINT [PK\_WriterMuseums] PRIMARY KEY ([Id]),

CONSTRAINT [FK\_WriterMuseums\_Users\_UserId] FOREIGN KEY ([UserId]) REFERENCES [Users] ([Id]) ON DELETE CASCADE

);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (7ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_HistorianArchPlaces\_EditorialTeam] ON [HistorianArchPlaces] ([EditorialTeam]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_HistorianArchPlaces\_UserId] ON [HistorianArchPlaces] ([UserId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (2ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_HistorianArchPlaces\_Username] ON [HistorianArchPlaces] ([Username]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (2ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_HistorianArchPlaces\_WorkPhoneNumber] ON [HistorianArchPlaces] ([WorkPhoneNumber]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (3ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_HistorianMonuments\_EditorialTeam] ON [HistorianMonuments] ([EditorialTeam]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (2ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_HistorianMonuments\_UserId] ON [HistorianMonuments] ([UserId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (2ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_HistorianMonuments\_Username] ON [HistorianMonuments] ([Username]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_HistorianMonuments\_WorkPhoneNumber] ON [HistorianMonuments] ([WorkPhoneNumber]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_HistorianMuseums\_EditorialTeam] ON [HistorianMuseums] ([EditorialTeam]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_HistorianMuseums\_UserId] ON [HistorianMuseums] ([UserId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_HistorianMuseums\_Username] ON [HistorianMuseums] ([Username]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_HistorianMuseums\_WorkPhoneNumber] ON [HistorianMuseums] ([WorkPhoneNumber]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_Records\_Description] ON [Records] ([Descr]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_Records\_HistorianArchPlacesId] ON [Records] ([HistorianArchPlacesId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_Records\_HistorianMonumentsId] ON [Records] ([HistorianMonumentsId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_Records\_HistorianMuseumsId] ON [Records] ([HistorianMuseumsId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_Records\_SubscriberId] ON [Records] ([SubscriberId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_Records\_WriterArchPlacesId] ON [Records] ([WriterArchPlacesId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_Records\_WriterMonumentsId] ON [Records] ([WriterMonumentsId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_Records\_WriterMuseumsId] ON [Records] ([WriterMuseumsId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_Subscribers\_Banned] ON [Subscribers] ([Banned]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_Subscribers\_Firstname] ON [Subscribers] ([Firstname]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_Subscribers\_Lastname] ON [Subscribers] ([Lastname]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_Subscribers\_UserId] ON [Subscribers] ([UserId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_Subscribers\_Username] ON [Subscribers] ([Username]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_Users\_Email] ON [Users] ([Email]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (2ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_Users\_RecordId] ON [Users] ([RecordId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_Users\_Username] ON [Users] ([Username]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (2ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_WriterArchPlaces\_EditorialTeam] ON [WriterArchPlaces] ([EditorialTeam]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_WriterArchPlaces\_UserId] ON [WriterArchPlaces] ([UserId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_WriterArchPlaces\_WorkPhoneNumber] ON [WriterArchPlaces] ([WorkPhoneNumber]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (4ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_WriterMonuments\_EditorialTeam] ON [WriterMonuments] ([EditorialTeam]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_WriterMonuments\_UserId] ON [WriterMonuments] ([UserId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_WriterMonuments\_WorkPhoneNumber] ON [WriterMonuments] ([WorkPhoneNumber]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE INDEX [IX\_WriterMuseums\_EditorialTeam] ON [WriterMuseums] ([EditorialTeam]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_WriterMuseums\_UserId] ON [WriterMuseums] ([UserId]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (2ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

CREATE UNIQUE INDEX [IX\_WriterMuseums\_WorkPhoneNumber] ON [WriterMuseums] ([WorkPhoneNumber]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (8ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

ALTER TABLE [HistorianArchPlaces] ADD CONSTRAINT [FK\_HistorianArchPlaces\_Users\_UserId] FOREIGN KEY ([UserId]) REFERENCES [Users] ([Id]) ON DELETE CASCADE;

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (2ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

ALTER TABLE [HistorianMonuments] ADD CONSTRAINT [FK\_HistorianMonuments\_Users\_UserId] FOREIGN KEY ([UserId]) REFERENCES [Users] ([Id]) ON DELETE CASCADE;

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (2ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

ALTER TABLE [HistorianMuseums] ADD CONSTRAINT [FK\_HistorianMuseums\_Users\_UserId] FOREIGN KEY ([UserId]) REFERENCES [Users] ([Id]) ON DELETE CASCADE;

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (2ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

ALTER TABLE [Records] ADD CONSTRAINT [FK\_Records\_Subscribers\_SubscriberId] FOREIGN KEY ([SubscriberId]) REFERENCES [Subscribers] ([Id]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

ALTER TABLE [Records] ADD CONSTRAINT [FK\_Records\_WriterArchPlaces\_WriterArchPlacesId] FOREIGN KEY ([WriterArchPlacesId]) REFERENCES [WriterArchPlaces] ([Id]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

ALTER TABLE [Records] ADD CONSTRAINT [FK\_Records\_WriterMonuments\_WriterMonumentsId] FOREIGN KEY ([WriterMonumentsId]) REFERENCES [WriterMonuments] ([Id]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

ALTER TABLE [Records] ADD CONSTRAINT [FK\_Records\_WriterMuseums\_WriterMuseumsId] FOREIGN KEY ([WriterMuseumsId]) REFERENCES [WriterMuseums] ([Id]);

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (11ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

INSERT INTO [\_\_EFMigrationsHistory] ([MigrationId], [ProductVersion])

VALUES (N'20250202111022\_FixeInitialCreateCultureGR', N'9.0.1');

Microsoft.EntityFrameworkCore.Database.Command[20101]

Executed DbCommand (4ms) [Parameters=[], CommandType='Text', CommandTimeout='30']

DECLARE @result int;

EXEC @result = sp\_releaseapplock @Resource = '\_\_EFMigrationsLock', @LockOwner = 'Session';

SELECT @result

Done.

PM>

14 Let's go to the SSMS to see the database tables that was empty until now...

15 have the cation to make Remove-Migration

16 now, after the Migration the next steps are , make repositories, Services, Controllers, the Views.

After that go to appsettings.cs to do Serilog, mapperConfing. At the end go to Program.cs to made some configuration!!

Services

Must have already DTOs and Exceptions and Mapping

17 create Configuration folder to create thr MapperConfig.cs