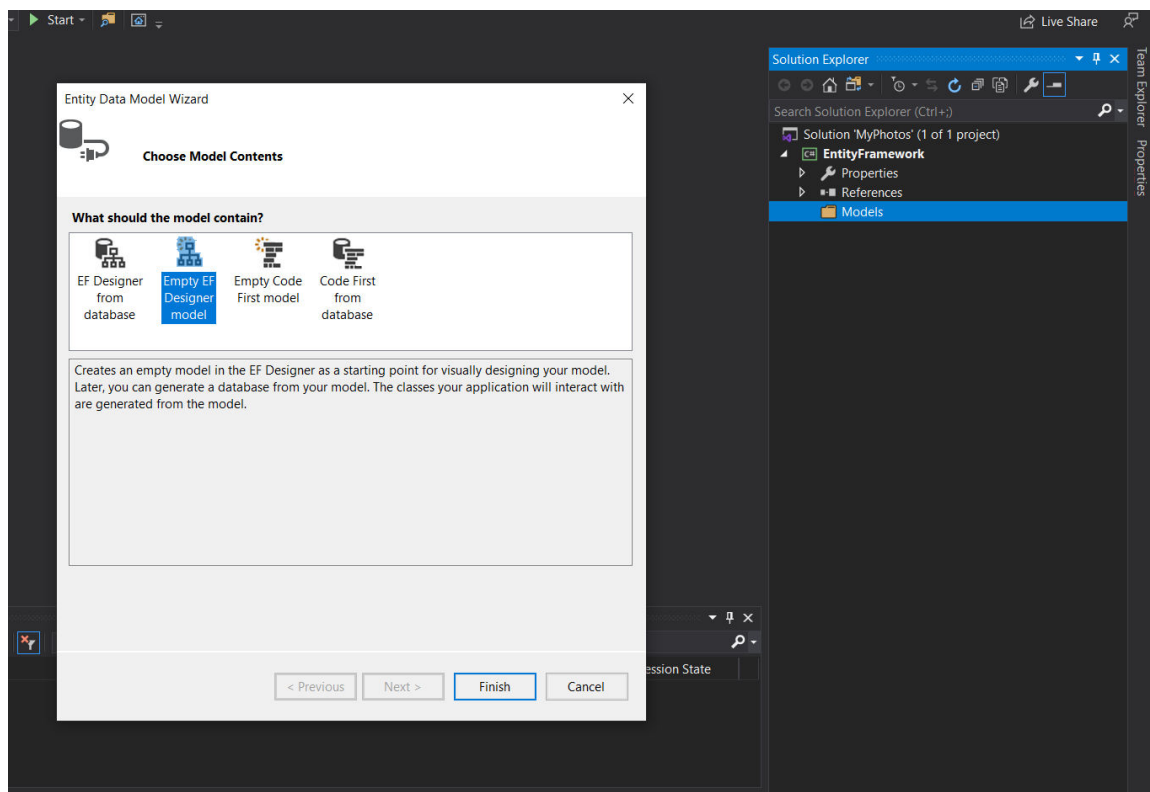# Creare proiect de tip Class Library

- am creat solutia generala care se va numi 'MyPhotos'

- am creat un proiect de tipul Class Library care va contine modelul

- am instalat pachetele pentru EntityFramework:

      -Microsoft.EntityFrameworkCore.Tools

      -Microsoft.EntityFrameworkCore.SqlServer

- am inceput sa creez modele urmand modelul de programare "Design First"

Person

Properties
- Id_person
- Name
- Gender
- Id_item

Navigation Properties

Item

Properties
- Id_item
- Type
- Description
- Path
- Event_
- Landscape
- Country
- Date_created

Navigation Properties

Add Association ✕

Association Name:

PersonItem

End

Entity:

Person ⌄

Multiplicity:

* (Many) ⌄

☑ Navigation Property:

Item

End

Entity:

Item ⌄

Multiplicity:
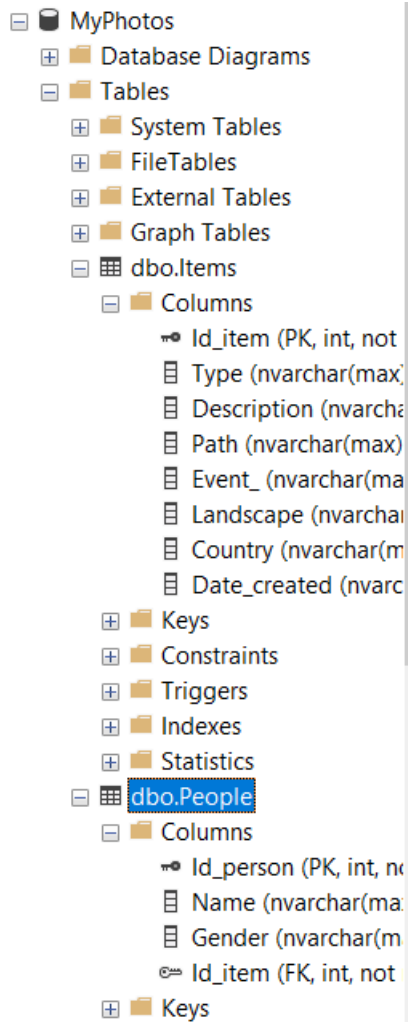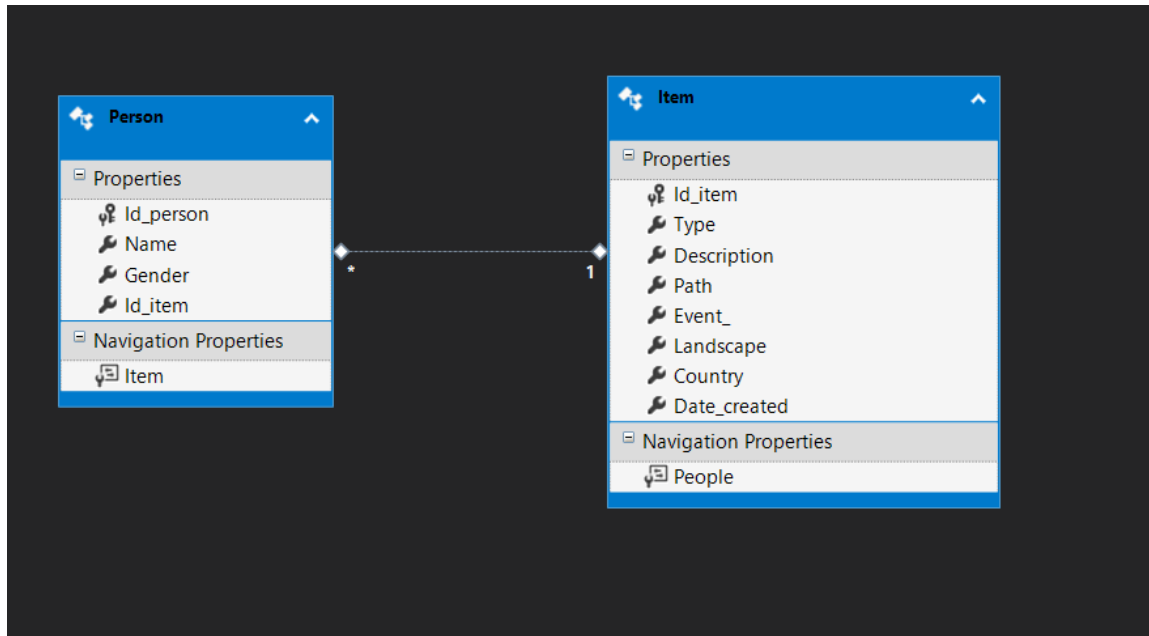
1 (One) ⌄

☑ Navigation Property:

People

☐ Add foreign key properties to the 'Person' Entity

Person can have 1 (One) instance of Item. Use Person.Item to access the Item instance.

Item can have * (Many) instances of Person. Use Item.People to access the Person instances.

OK   Cancel

Din diagrama de mai sus am obtinut modelele si contexul pentru baza de date.

```
Person.cs ⊓ ✕
C# Database            ▼  ⚡ Database.Person        ▼  🔧 Id_person                ▼
    4      //                                                                      ⬍
    5      //        Manual changes to this file may cause unexpect ▲
    6      //        Manual changes to this file will be overwritte
    7      // </auto-generated>
    8      //------------------------------------------------------
    9
   10    ⊟namespace Database
   11     |{
              11 references
   12    ⊟      public partial class Person
   13           {
                  0 references
   14               public int Id_person { get; set; }
                  6 references
   15               public string Name { get; set; }
                  2 references
   16               public string Gender { get; set; }
                  5 references
   17               public int Id_item { get; set; }
   18
                  0 references
   19               public virtual Item Item { get; set; }
   20           }
   21     }
   22

 109 %    ▼    ⊘ No issues found      |  ◈ ▼   ◀ ▶    Ln: 11    Ch: 6    SPC    CRLF
```

```csharp
    public Item()
    {
        this.People = new HashSet<Person>();
    }

    public int Id_item { get; set; }
    public string Type { get; set; }
    public string Description { get; set; }
    public string Path { get; set; }
    public string Event { get; set; }
    public string Landscape { get; set; }
    public string Country { get; set; }
    public System.DateTime Date_created { get; set; }

    [System.Diagnostics.CodeAnalysis.SuppressMessage("Microsoft.Usage", "CA222
    public virtual ICollection<Person> People { get; set; }
    }
}
```

```csharp
namespace Database
{
    using System;
    using System.Data.Entity;
    using System.Data.Entity.Infrastructure;

    3 references
    public partial class PhotoModelContainer : DbContext
    {
        1 reference
        public PhotoModelContainer()
            : base("name=PhotoModelContainer")
        {
        }

        0 references
        protected override void OnModelCreating(DbModelBuilder modelBuilder)
        {
            throw new UnintentionalCodeFirstException();
        }

        6 references
        public virtual DbSet<Person> People { get; set; }
        7 references
        public virtual DbSet<Item> Items { get; set; }
    }
}
```