

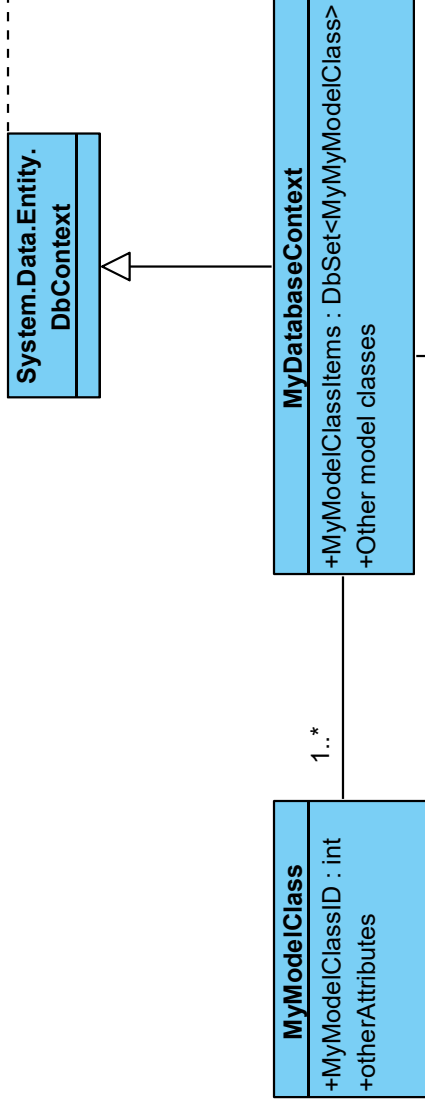
Check list

1. NuGet - Entity Framework
 - 1.1. Include the System.Data.Entity namespace
2. Model - All classes which should represent a table in DB
 - 2.1. Properties
 - 2.2. Annotations
 - 2.3. Remember Primary key (using name convention or annotation)
3. Context - One context per connectionString
 - 3.1. Should inherit from DbContext
 - 3.2. Add connectionString to the web.config-file (the right one)
4. DEBUG PURPOSES ONLY! Initializer



Creating Model in MVC

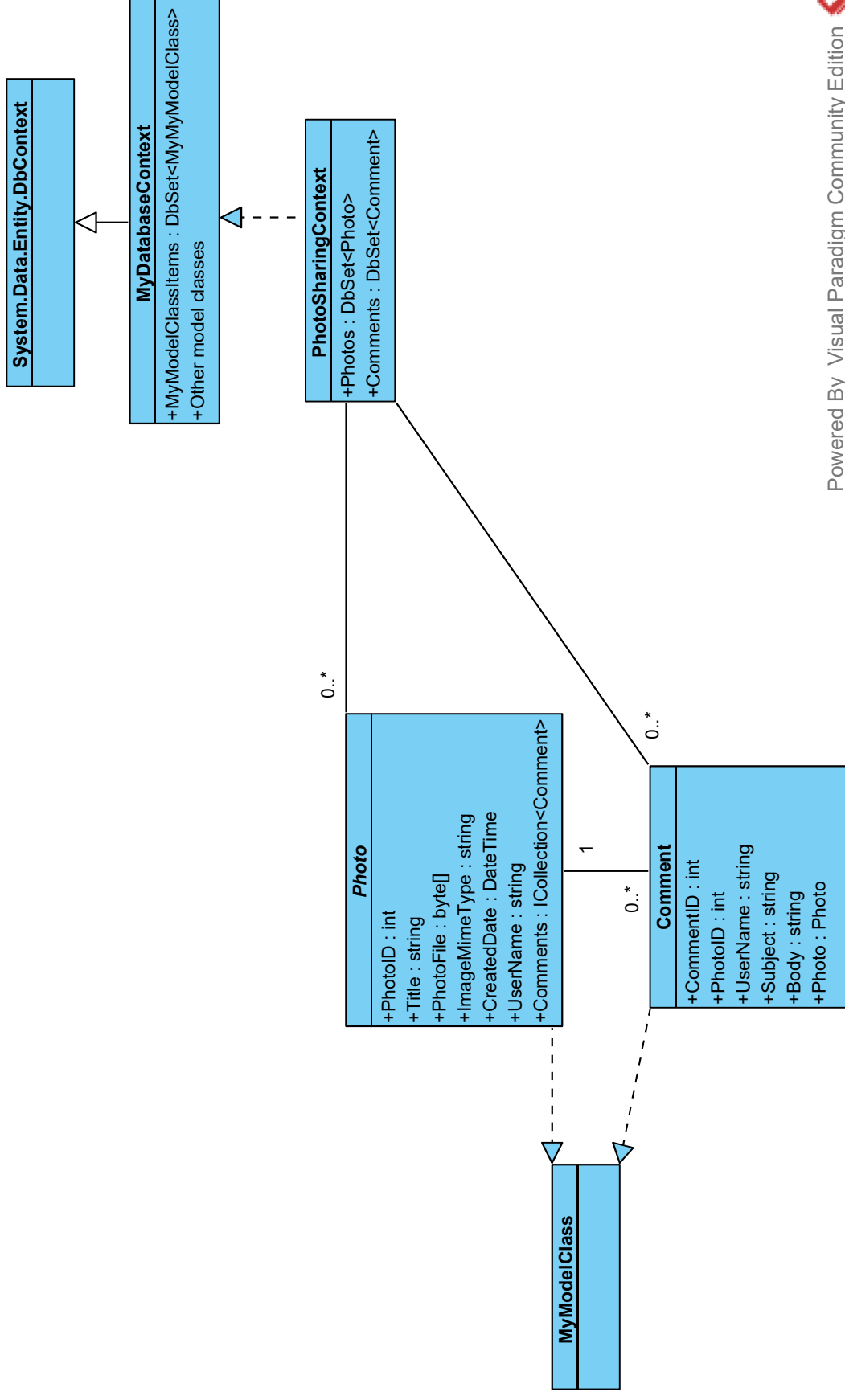
Have to install Entity framework from NuGet. System.Data.Entity is the namespace of the framework.



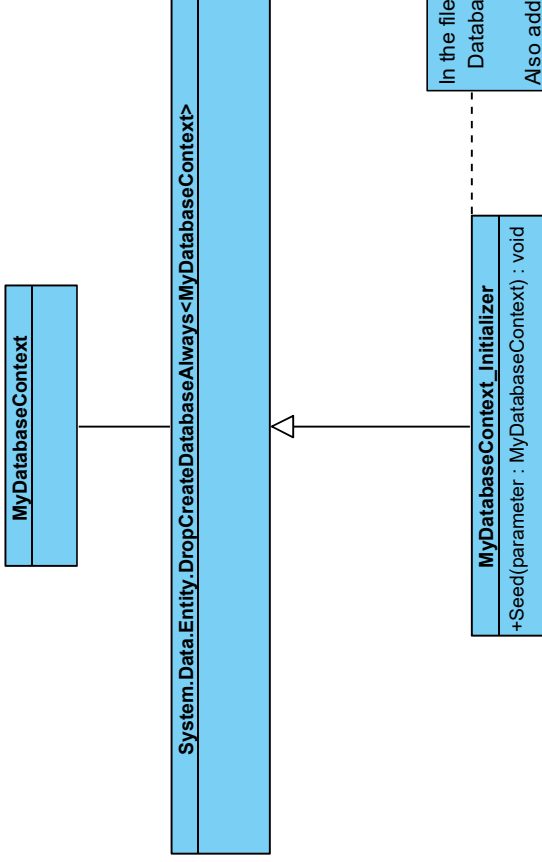
In Web.config (the right one) add a connectionString as follows:

```
<connectionStrings>
<add name="MyDatabaseContext" connectionString="..." providerName="..." />
</connectionStrings>
```

Example using Module 3



Debugging setup keynotes



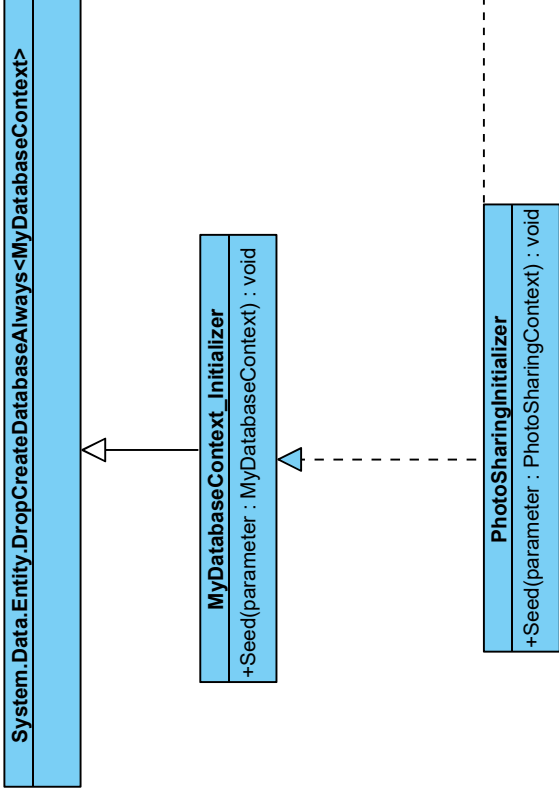
In the file Global.asax.cs, in Application_Start() add the following code:
Database.SetInitializer<MyDatabaseContext>(new MyDatabaseContext_Initializer
Also add the Model-namespace to the usings .

Implementation of the Seed method:

```
protected override Seed(PhotoSharingContext context)
{
    ... Initialize table content in a list, e.g.
    var photos = new List<Photo> { new Photo() }
    ... Use the list method "foreach" to add it to the context, e.g.
    photos.foreach( photo => context.Photos.Add(photo) );
    ... Use the context method "SaveChanges()" to actually upload it to the database.
    context.SaveChanges();
}
```



Example when implementing database reinitialization in project



Implementation of the Seed method:

```
protected override Seed(PhotoSharingContext context)
{
    var photos = new List<Photo>
    {
        ... instantiate new Photo instances for the DB.
    }

    var comments = new List<Comment>
    {
        ... instantiate new Comment instances for the DB.
    }

    photos.foreach( photo => context.Photos.Add(photo) );
    comments.foreach( comment => context.Comments.Add(comment) );

    context.SaveChanges();
}
```