Tutorial

Schritt 1:

```
▲ SnQMusicStoreTutorial.Contracts

  ▶ ₽₽ Dependencies
  ▶ ■ Business
  ▶ ☐ Client
  ▶ Modules
  Persistence
    ▲ Pp App
       ▶ C# IAlbum.cs
       C# IArtist.cs
    Revision
       Persistence.txt
  ▶ ☐ Shadow
  ▶ ☐ ThirdParty
  ▶ C# IComposite.cs
  ▶ C# ICopyable.cs
  D C# Ildentifiable.cs
```

Schritt 2:

Schritt 3:

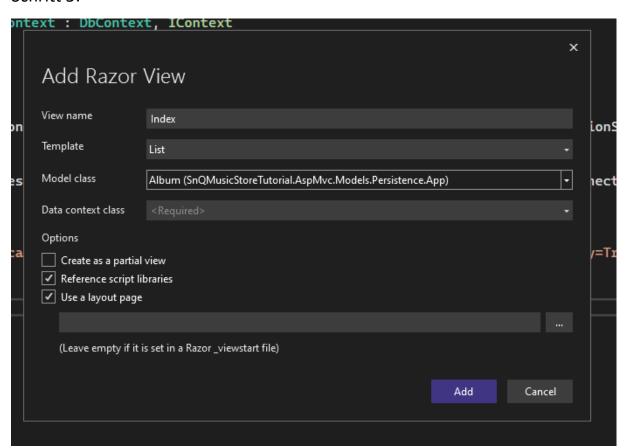
```
PM> add-migration initDb
Build started...
Build succeeded.
To undo this action, use Remove-Migration.
PM> update-database
Build started...
```

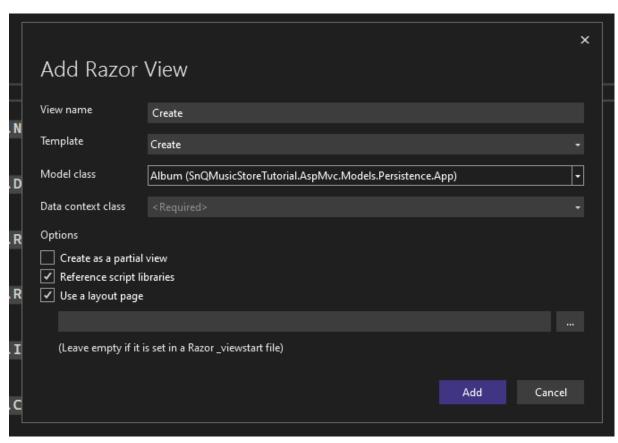
Schritt 4:

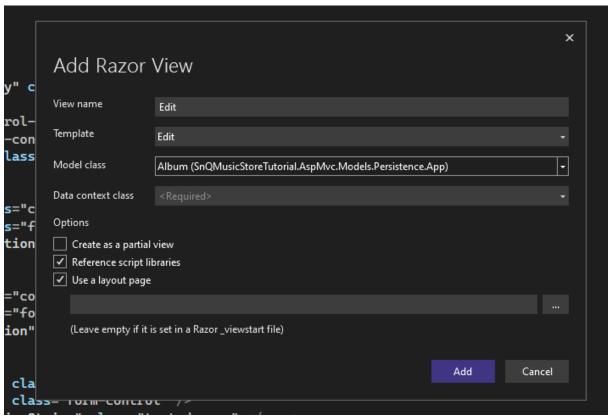
```
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```

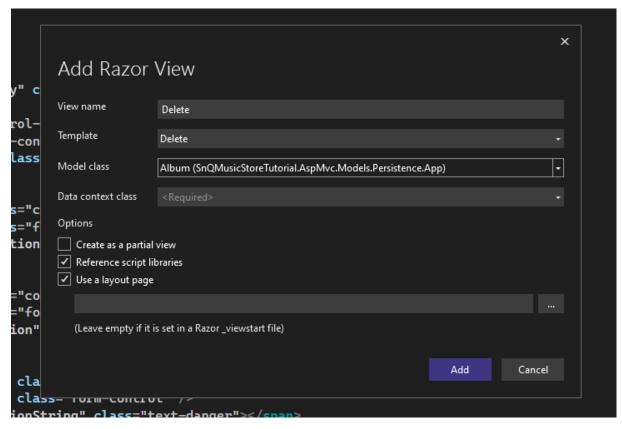
Einfügen

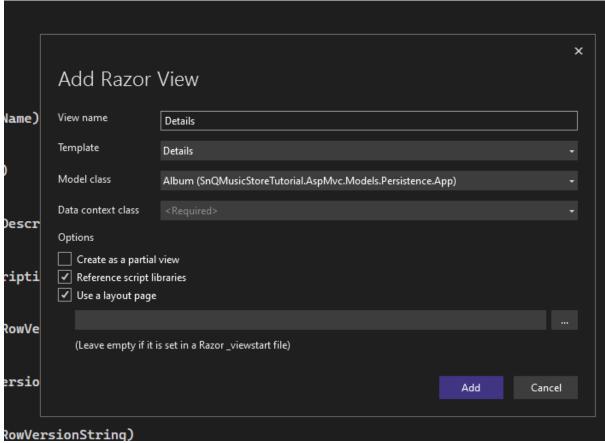
Schritt 5:











Schritt 6:

Schritt 7:

```
Delete.cshtml Edit.cshtml
        Details.cshtml
                                               Create.cshtml + X Index.cshtml
                                                                            appsettings.Development.json
   @model SnQMusicStoreTutorial.AspMvc.Models.Persistence.App.Album
       ViewData["Title"] = "Create";
   <h1>Create</h1>
<h4>Album</h4>
       <div class="col-md-4">
            <form asp-action="Insert" method="post">
                <div asp-validation-summary="ModelOnly" class="text-danger"></div>
                <div class="form-group">
                    <label asp-for="Name" class="control-label"></label>
                    <input asp-for="Name" class="form-control" />
<span asp-validation-for="Name" class="text-danger"></span>
                <div class="form-group">
                    <label asp-for="Description" class="control-label"></label>
                    <input asp-for="Description" class="form-control" />
                    <span asp-validation-for="Description" class="text-danger"></span>
                <div hidden class="form-group">
 Ιģ
                    <label asp-for="RowVersion" class="control-label"></label>
                    <input asp-for="RowVersion" class="form-control" />
                    <span asp-validation-for="RowVersion" class="text-danger"></span>
```

Schritt 8:

In Index id=item.Id ändern

Schritt 9:

In Edit auf Update ändern

Schritt 10:

GenericController -> STRG-f -> indexasync ->return View(models) ändern

```
models = await QueryModelPageListAsync(pageIndex, pageSize, true).ConfigureAwait(false
}
catch (Exception ex)
{
    LastViewError = ex.GetError();
}
AfterIndex(models);
return View(models);
}
4 references
partial void BeforeIndex(ref IEnumerable<TModel> models, ref bool handled);
```

Schritt 11:

GenericController -> STRG-f -> createasync ->return View("Create "models) ändern

```
LastViewError = ex.GetError();
}

AfterCreate(model);
if (HasError == false)
{
    model = BeforeView(model, ActionMode.Create);
    model = await BeforeViewAsync(model, ActionMode.Create).ConfigureAwait(false);
}
return HasError ? RedirectToAction("Index") : View("Create", model);

HttpGet1
```

Schritt 12:

GenericController -> STRG-f -> insertasync ->return Return RedirectToAction("index") ändern

```
}
AfterInsertModel(model);
if (HasError == false)
{
    model = BeforeView(model, ActionMode.Create);
    model = await BeforeViewAsync(model, ActionMode.Create).ConfigureAwait(false);
}
return RedirectToAction("Index");
}

1 reference
```

Schritt 13:

GenericController -> STRG-f -> editasync->return View("Edit", models) ändern

```
LastViewError = ex.GetError();
}

AfterEdit(model);
if (HasError == false)
{
    model = BeforeView(model, ActionMode.Edit);
    model = await BeforeViewAsync(model, ActionMode.Edit).ConfigureAwait(false);
}
return HasError ? RedirectToAction("Index") : View("Edit", model);
}

**Nonexis**
```

Schritt 14:

GenericController -> STRG-f -> updateAsync->Return RedirectToAction("index") ändern

```
catch (Exception ex)
{
    LastViewError = ex.GetError();
}
if (HasError == false)
{
    model = BeforeView(model, ActionMode.Edit);
    model = await BeforeViewAsync(model, ActionMode.Edit).ConfigureAwait(false);
}
return RedirectToAction("Index");
}
```

Schritt 14:

GenericController -> STRG-f -> updateAsync->Return ReturnDeleteView(model)

```
AfterDelete(model);
if (HasError == false)
{
    model = BeforeView(model, ActionMode.Delete);
    model = await BeforeViewAsync(model, ActionMode.Delete).ConfigureAwait(false);
}
return HasError ? RedirectToAction("Index") : View("Delete", model);
}
```

- 1. Entity Framework ist ein ORMapper
- 2. Es gibt Zwei Typen: Value Type (kann nicht Null sein und wird am Stack angelegt), Reference Type wird am (Heap angelegt und kann null sein).
- 3. Reference Datentyp kann Null sein, aber er muss nicht Null sein aber wenn er Null sein kann muss man es spezifizieren (Man muss es kennzeichnen und der Compiler muss das jedes Mal prüfen)
- 4. sealed bei Klassen: Man kann nicht mehr ableiten
- 5. not Mapped für ein Feld, dann befindet sich das Feld nicht auf einer Datenbank.
- 6. Public get und Internal set für ein Feld welches berechnet werden soll in der Logik.
- 7. OrMapper :Eigenschaften: Transferiert ein Objekt in eine Datenbank und umgekehrt
- 8. Jedes Entity muss identifieziert sein
- 9. Klassen mit Nomen bennant werden
- 10. Internal nur in dme Projekt zugreifbar