Entity Breakout - Code First

in list Breakouts

Description Edit

Entity Code first is handy since it can be done entirely through visual studio if you SQL Express installed. From our SQL lesson, you should already have it install as well as SSMS. Keep SSMS open through the whole process to check if it worked. You will not, however, need to edit/create or manipulate anything in SSMS during this process.

In Visual Studio

Delete.

0%

- [ ] 1) Find your models folder, during this process, we will spending a lot of time in here.
- [ ] 2) in models add, right click go add -> new class... You may name the file however you wish, for our example, I'm naming it Item
- [ ] 3) (Cheeeeeat mode) grab the text from this file and paste it into your new class https://github.com/TommyWaalkes/October2018.Net/blob/master/Item.cs
- [ ] Let's understand this file and how it works, there's a few flavors of this, but most commonly a model for Code first has two parts: the model's properties in its own class, follow by the dbcontext for the model.
- [ ] The Properties are where the data for each row of the table will live. Each row = a new object
- [ ] The dbcontext handles talking to and connecting to the Database for us. Once done correctly, we can use this object to talk to the database else where in the code

Building Your Controller

Delete.

0%

- [ ] 0) Tell your Project to build!
- [ ] 1) Right click on your controllers folder
- [ ] 2) Go to Add.. and Add new scaffolding item
- [ ] 3) Select MVC 5 Controller with Views with entity Framework
- [ ] 4) New Window! Under model class, select one of your model classes
- [ ] 5) Under Data Context Select the DBItemContext (or whatever the name of your DB)
- [ ] 6) .Net will build you a group of CRUD (Create Update Destroy) pages. These will allow you to manipulate your DB via your .Net Site. You will now have new controller managing a bunch of views that

point to your Table

Code First Time!

Delete.

0%

- [ ] 1) Go to the index file in the new view folder you just created.
- [ ] 2) Run the index.... this can take awhile, Visual Studio and SQL Express are working together to build you a database.
- [ ] 3) If you make to the browser congrats it was successful! If it shows page with an empty, no worries, it creates your table empty, go to create new and add some items to your list
- [ ] 4) Check SSMS and find your new database, it will be named after your DB context.

Activity

Show Detai