# DB SIDE

Database SQL 2012 with sp

Basic Proc List

1. Insert (Output Clause Not Mandatory)
2. Update
3. Delete
   1. Delete Query or
   2. Update and set IsDeleted to true
4. Select / List
   1. GUID for versioning purpose & multiple transaction handling
   2. null able GUID with to fetch 1 record of complete List
   3. ID will be return to map primary key with EF
5. Return all fields in select to map exactly on entity working

# Web APP

Website MVC EF

1. Use EF to generate model
2. Import tables & sp
3. Map **all sp on entity** using MAP Store Procedure
4. For Selection /Listing Purpose make **Complex Type**
5. For **Delete purpose only to select entity use LINQ functions to get entity.**

# Data Validation

* To Create Data Validation for uploading file
* Write a class that inherits from ValidationAttribute
* **public class ValidateFileAttribute : ValidationAttribute**
* and Override IsValid Function
* Ref:

# <http://www.dotnet-tricks.com/Tutorial/mvc/aX9D090113-File-upload-with-strongly-typed-view-and-model-validation.html>

# To Apply DataAnnotations in Database First

There are 2 ways

1. Apply directly to model class that is auto generated. **But this validation will be removed always the model is rebuilt**
2. Create a class with Any name preferably. Entity+” Metadata”

**ClanMetadata**

1. This will have all the fields that are in entity and apply data annotations to that field
2. Now create another partial class with same name of entity
3. **Use**

**[Metadata(typeof(metadataclassname)]**

1. as annotation to that partial class
2. Now Entity + entitymetadata + partialentity = total DataAnnotation along with entity

**Identity In MVC**

1. Either create an application Context Database first then use its script to add tables to your db
2. Or use code first migrations in your db
3. Then disable migrations
4. Add field in code & Db separately and manage them