Assignment

Instructions: Use the Entities models that are provided. You can modify the classes as you see fit.

Create a simple Survey system.

# Tasks:

* Step1: Create the DbContext class. Based on that generate migrations and create the Database.
* Step 2: Create Interface and define methods for retrieve, create, update and delete objects for “Question” and “Option”.
* Step 3. Create DTO classes (Models) for the Question. Add appropriate validation for the mandatory parameters, String length and add validation messages.
* Spep3.1 BONUS: Custom validation, Question Text cannot same as the Description.
* Step 4. Implement the Interface Question so it can be called as a service.
* Step 5: Create Question API controller for CRUD methods using the service.
* Step 6: Create Interface and define methods for retrieve, create, update and delete objects for Option
* Step 7: Implement the Interface Option so it can be called as a service.
* Step 8: Create DTO class for Option and add the validation for the mandatory parameters and add validation messages.
* Step 9: Create Option controller with CRUD methods and validate the models using the service.

Tips:

* It is not mandatory but advisable to use any DI framework.
* You can use Automapper for models mapping, or any other.
* You can create migrations, and use Code first approach but it is not mandatory.
* For data layer you can use Entity Framework (EF core) or NHibernate, or not use non at all.