Tiko .NET Assignment

Overview

You should create a small .NET 5 (or .NET Core 3.1) WebApi project, which should have endpoints for handling houses, agents and cities.

Requirements

1. You should use SQLite, and Dapper.
2. You should add swagger(Swashbuckle.AspNetCore) for ease of use for api.
3. You do not need to develop any UI, swagger is enough.
4. You do not need to develop authentication logic.
5. You should pay attention to possible performance, security, data-integrity and usability problems, and should design your api accordingly.

Expected Data Relationships

1. City:
   - Name: name of the city, required.
2. Agent:
   - Name: full name of the agent, required.
   - City: city of interest of the agent, required.
3. House:
   - City: city of the house, required.
   - Agent: agent of the house, required.
   - Price: price of the house, required.
   - Address: full-address of the house, required.
   - Description: description of the house, optional.
   - BedroomCount: number of bedrooms, required, must be in range of 1 to 10.

Expected Endpoints

1. Create a city.
2. List cities.

1. Create an agent.
2. List agents.
3. Delete agent.

1. Create a house.
2. List houses by agent.
3. List houses by city.
4. Update house price.
5. Delete house.