**DOT NET FULL STACK DEVELOPER**



# **Assignment**

The goal of the assignment is to create a management tool for Room types & Rooms. We've already done the Amenities part for you which you can use as an example. However, the developer was a bit sloppy, it will need some changes!

We've already installed a local database for you to use (SQLite) which already contains the basic structure.

Please read the entire briefing before you start coding!

## Part 1: Update the Amenities interface

Seems like our developer was in a hurry, can you fix the following please?

* The validation messages on the add Amenity form are not visible to the user. Can you make the required changes so the user gets a clear error message when the input is incorrect? You can find the validation rules on the AddAmenityViewModel class.
* Implement the repository pattern (you can also include Unit of Work pattern) so we can easily re-use the code. The example in the Amenities page is clearly a no-go!
* There is a typo in the column name of the "Amanities" table, this needs to be changed to "Amenities". Can you change it by using an Entity Framework database migration?

## Part 2: Room types & Rooms

Build a CRUD page for both the Roomtypes and Rooms objects. The pages need to include **Validation** both on client and server side. Usage of scaffolding is encouraged, but not mandatory. (Please update the disabled A elements on this page for easy navigation). Can you also show us that you are able to:

* Perform a raw SQL query?
* Implement (and describe your thoughts as a comment) a No-Tracking query

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