Assignment 3 Helper Steps

**Note:** Some steps might be missing. It’s best to follow the teacher’s demo in class and watch the video recording.

1. Create Contact Class in Model (back-end)
   1. Add fields
   2. Add back-end validation with Data Annotations to the Model class:

<https://docs.microsoft.com/en-us/aspnet/core/mvc/models/validation?view=aspnetcore-3.1>

1. Add Entity Framework Framework from NuGet
   1. See detailed instructions here: <https://www.entityframeworktutorial.net/efcore/install-entity-framework-core.aspx>
   2. Install:
      1. Microsoft.EntityFrameworkCore.SqlServer
      2. Microsoft.EntityFrameworkCore.Tools
2. Do initial DB steps:   
   <https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/adding-model?view=aspnetcore-3.1&tabs=visual-studio>
   1. Create a database context class
   2. Register the database context
   3. Add a database connection string
3. Scaffold a Contract Controller based on the Contact Model Class
4. Modify Index view using HTML Tag Helpers
   1. <https://docs.microsoft.com/en-us/aspnet/core/mvc/views/working-with-forms?view=aspnetcore-3.1>
   2. Add a <textarea> for Message
   3. Video example: <https://youtu.be/znP3ZF0NJ1g>
5. Do Initial Migration:

Add-Migration InitialCreate

Update-Database

1. Rename Details.cshtml view to Success
2. Modify the Success Page

@model Contact

@{

ViewData["Title"] = " Email Confirmation ";

}

<h1>Email Confirmation</h1>

<h2>Thank you for contacting us @Model.FirstName @Model.LastName </h2>

<p>A copy has been sent to @Model.Email</p>

1. Send email using MailKit

<https://youtu.be/C4O8vqg295o>

1. Add reCAPTCHA to front-end. V2 is easier to implement than V3.