100%

Make a new GitHub repository called MVCHOT4 and add your instructor as a collaborator. You will create an Appointment Scheduling Web Application. All data should come from and work with a database. All functionality should be implemented via the web application.

**Rubric**

1. **Model Creation**
   1. **Appointment** should ***require***:
      1. Id -**5pts**
      2. Start Date/Time includes both date and time ([DateTime](https://learn.microsoft.com/en-us/dotnet/api/system.datetime?view=net-8.0) data type), -**5pts**
         1. Appointments are 1 hour in duration taken on the exact hour. Example: 3/15/2025 08:00AM
      3. Customer object - **15pts**
   2. **Customer** should ***require***:
      1. Id **-5pts**
      2. Username **-5pts**
      3. Phone number -**5pts**
2. **Customer Creation** - Allow new customers to be created. - **5pts**
   1. Enforce all validation rules set by the model - **5pts**
3. **Appointment Creation** - Any user can create an appointment and view all appointments **- 10pts**
4. **Appointment management** - Create an administrative area where an administrator can edit, delete and view all appointments **- 15pts**
5. **Validate** the date/time of the appointment to be in the future. - **10pts**
6. **Validate** upon appointment creation that the date/time slot is available against the current appointments. If the date and start time exists in the database, a validation error should occur. **-10pts**
   1. This is not a range check.
   2. Exact date/time should be checked
7. Customize validation error messages to the user to provide meaningful information **- 5pts**