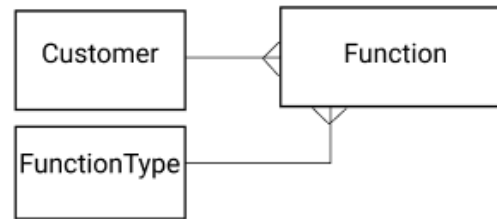


Instructions

Continue with the ASP.NET Core MVC application you created in Part 1A.

In Part 1B we will add the following to the project:

1. **(20 Marks)** Add code to all the Controllers for database error handling.
 - a. All attempts to save data to the database must be inside a try/catch.
 - b. Add appropriate catch blocks for all anticipated database errors and show suitable error messages for each one.
 - i. For example, creating a duplicate CustomerCode value or deleting a Customer when there is a related Function for the customer in the system.
 - c. Change all Edit Post actions to use the TryUpdateModel approach so secret or protected properties will always be maintained.
2. **(10 Marks)** Add validation to the FunctionDate property of the Function class:
 - a. It cannot be before January 1st, 2018 because that is when the Hotel opened.
 - b. It cannot be more than 10 years in the future from the current date.
 - i. Note that each condition should have its own error message displayed to the user, specifying exactly what the problem is.
3. **(10 Marks)** We want to display a list of Functions for each Customer on the Customer Details view. The list should include the following:
 - a. A summary property added to the Function class that can be used when displaying quick information about the Function. It should include the date and duration of the function, the Name if it is provided or the Lobby Sign. If neither the Name nor Lobby Sign has a value then show the word "TBA".
 - i. When you display it, make this a link that takes you to the Function Details.
 - b. Also have a EstimatedValue summary property that calculates the estimated value of the Function before taxes, formatted as currency. That would be the BaseCharge plus SOCAN fee plus the Guaranteed Number times the PerPersonCharge.



When you are finished both Part 1A and 1B, zip up your project and submit it to Blackboard.

As you submit to Blackboard, **you must enter comments describing how far you got** on the assigned work. For example, if you completed all of Part 1A but did not do Part 1B then you must explain that in your comments. Failure to describe the completeness of your submission will result in marks being deducted.

