Instructions

Continue with the ASP.NET Core MVC Catering Management application from Part 3A.

1. **(20 Marks)** We need the ability to upload an image for Customer when Creating or Editing. It might be a Profile Picture of a person or a Logo or other image for the Company.
    a. A small thumbnail of the image can be shown right on the Index view for each Musician.
    b. A larger one (max size you define) should be on the Details and Edit Views.
    c. When Editing a Customer, the user should be able to replace the image or just remove it.
2. **(15 Marks)** The client has requested an onscreen "Function Revenue Report" listing data for all Functions grouped by Function Type. The report should show:
    a. Function Type
    b. Total number of Functions.
    c. Average Per Person Charge.
    d. Average Guaranteed Number.
    e. Total Estimated Value for this Type
    f. Average Estimated Value
    g. Highest Estimated Value

    Make sure that all Function Types are listed in the report, even if they have no Functions in the data. **BONUS**: Add Paging and Sorting. All columns should be sortable.

3. **(10 Marks)** In addition to the onscreen report, they want the option to download the same data in an Excel Spreadsheet. The spreadsheet should have the following additional features:
    a. Show the date and time the report was generated near the top of the report.
    b. After the last row of data, it should list the following summary information:
        i. Total Estimated Value of all Functions
        ii. Total number of Functions included in the report.

4. **(10 Marks)** The client has also requested the ability to upload an Excel spreadsheet with the values for new Equipment to add. This must include the Name and StandardCharge for each one.
    a. **BONUS:** For each Equipment, check if there is already an Equipment record in the database with the same Name before adding it. Feel free to add a Unique constraint on the Name property of the Equipment class.

Submit your work for Parts 3A and 3B together in one project. *Include an Excel spreadsheet to upload for testing the upload for New Equipment.*

As you submit to Blackboard, **you must enter comments describing how far you got** on the assigned work. Failure to describe the completeness of your submission will result in marks being deducted.