Car Dealership Project

MVC Pair Project

Requirements:

You will create an MVC site using a SQL Server database backend that allows you to manage and display the inventory of a car dealership.

1. Allow the admin user to Add new/used cars into their inventory.
2. Allow the admin user to remove cars from their inventory.
3. Allow guest users to view the inventory available as a list of vehicles (summary).
4. Allow guest users to view details about specific vehicles in inventory.
5. Allow guest users to submit a form to request more data on a specific vehicle
6. Allow the admin user to retrieve the list of requests for information.
7. Allow the admin user to maintain the status of a request

Information to track:

Vehicle:
- VehicleID
- Make
- Model
- Year
- Mileage
- Ad Title
- Description
- Price
- URL of Picture
- IsAvailable

Request For Information:
- VehicleID
- Name
- Email Address
- Phone Number
- Best time to Call
- Preferred Contact Method
- Timeframe To Purchase
- Additional Information
- Last Contact Date (Updated with the current datetime every the record is updated)
- Status of Request
  - New (every request starts with a status of New)
  - Awaiting Reply (salesman contacted and is waiting feedback)
  - Future Prospect (not purchasing at this time but will follow up in the future)
  - Lost Opportunity (purchased a vehicle somewhere else)

Design Notes:

- When creating this project, use the "MVC" template instead of the "Empty" template. Make sure that you select the checkboxes for MVC and Web API at the bottom. Additionally, make sure you click the Change Authentication button and select Individual User Accounts (if not already selected).
- You can start this project using just separate menu sections for the "public" and "admin" portions of the site. You can restrict access to certain sections for the appropriate users after we have discussed Identity in week 10.

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Extra Challenges:

Add the ability for the admin user to upload an image of a vehicle on the vehicle management screen instead of just adding a link to an external image. Uploaded images should be stored on the file system and a link to the image stored in the database instead of the external image link. This challenge will require that you research uploading a file using MVC.