Deliverables

1. A zip file containing:
   1. Backup of SQL or other database.
   2. .NET Core C# Project Backend
   3. Angular Front End

.NET Core C#

Overview – Create an application to list, create, edit, and delete vehicle records.

1. Make an .Net Core/Angular application with a SQL or other database that allows us to manage a set of vehicles with the properties listed below.
   1. Vehicle
      1. Name
      2. Year – Make this a drop down list
         1. Get list items from a table
         2. Using a sql script or database initializer, prepopulate the table with a range of years from 1970 - current year
         3. Make - Make this a drop down list
         4. Get list items from a table
         5. Using a sql script or database initializer, prepopulate the table with
            1. Ford
            2. Chevrolet
            3. Dodge
      3. Model - Make this a drop down list
         1. Get list items from a table
         2. Models are children of Makes
         3. Using a sql script or database initializer, prepopulate the table with
            1. Mustang (Ford)
            2. Corvette (Chevrolet)
            3. Charger (Dodge)
      4. Color - Make this a drop down list
         1. Get list items from a table
         2. Using a sql script or database initializer, prepopulate the table with
            1. White
            2. Red
            3. Blue
            4. Black
            5. Green
      5. Miles – Make this field take numeric input only
      6. Description
2. Use the option for Individual Accounts when creating the project
3. Anywhere users have to enter Year, Make, and Model, use drop down lists
4. Build the following pages
   1. A page to list all vehicles
      1. Anonymous users can access the list
   2. A page to create a new vehicle
      1. Only allow authenticated users to create a vehicle
   3. A page to edit a Vehicle
      1. Only allow authenticated users to edit a vehicle
   4. A page to delete a Vehicle
      1. Only allow authenticated users to delete a vehicle
5. Make Year, Make, Model drop down lists cascading dropdowns on the screen for creating vehicles.
   1. Selecting a Make results in the Models list containing only Models for the selected Make.
   2. Use Javascript to make requests to the server for the filtered options.
      1. Feel free to use libraries to accomplish this.