CSC 415/515 PROJECT 5
ASP.NET ONLINE CAR EMPORIUM

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1. PROJECT REQUIREMENTS

Rewrite project 4 to use ASP.NET technologies. All requirements stay the same: the only change is to port the server-side code from the Java EE platform to ASP.NET.

You still must use AJAX in the same places.

Here are some hints to smooth your way. Create an ASP.NET project (rather than a website), and then replace every servlet with an ASP.NET generic handler. Once you have created your project, right-click on the project and add the HTML files, JavaScript files, and a folder named `images`. Uploaded car image files will be stored in this folder.

Right-click on the project and add C# file `CarInfo`:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

namespace AspNetCarEmporium
{

    public class CarInfo
    {
      public  String shortDescription;
      public  String carName;  // serves as prefix for the file name
      public CarInfo(String carName, String shortDescription)
      {
          this.shortDescription = shortDescription;
          this.carName = carName;
      }

      public String toString()
      {
       String str =
       String.Format("[car name : {0};  short description: {1}]",
                   carName, shortDescription);
       return str;
      }
    }
}
```

Right-click and add a folder called `App_Data`: this is where uploaded description files will be stored.

The .NET `StreamReader` class is the approximate equivalent of Java's `BufferedReader`. So use that when you need to read a stream line by line. The `StreamReader` method `ReadToEnd()` can be very handy.

Converting an array or a collection of strings to JSON can be accomplished by using the `JavaScriptSerializer`. For example, to convert an array or collection of strings named keys to JSON, write

```
JavaScriptSerializer serializer = new JavaScriptSerializer();
var json = serializer.Serialize(keys);
context.Response.Write(json.ToString());
```

The word "out is reserved in C#, so do not try to use it.

2. Due Date

Sunday at the end of Week 10, at midnight. Because this is the end of the term, this is an absolute deadline.