Detroit Trading MVC Programming Test

Using the provided Visual Studio Solution you are tasked with creating a web application.

Your goal is to create a web page that contains two dropdowns and a button within an AJAX form. This form should be created within the \_Form.cshtml partial view with the purpose of allowing the user to select a vehicle make (aka vehicle OEM) and a vehicle model. This form should validate that both a make and model have been selected and if they have not it should notify the user of the validation error. When the form is submitted it should POST the resulting selections and echo them back via the \_ThankYou.cshtml partial view.

Additionally you are responsible for creating two WebApi methods to provide the backing data for these dropdowns. These two methods have been stubbed out in the Api/VehicleController as Makes() and Models(int id). These methods are to make use of the two xml files located in App\_Data.

1. App\_Data/modelsbymakes.xml
2. App\_Data/makes.xml

Upon inspecting these files you’ll note that makes.xml contains 6 make definitions with an ID and a Description. The modelsbymakes.xml file contains models for the makes.

At a base level these two WebApi methods should consume the appropriate xml file and convert it into the appropriate return type. NOTE: The solution is preconfigured to only return WebApi results as JSON and not XML.

These methods are to be used to populate the drop downs with options. Note that when the user changes their make selection the model drop down should refresh its contents. The population of the dropdowns as well as the event logic should be handled client side and should not involve any type of form submission.

If you have any questions or need clarification feel free to contact us.