

Car Rentals Project 5

Create a JSON Web Service that calculates the Rental Rate using the same Business Logic used in the the Business Services Tier in Project 2

NOTE** Incorporate the Discount calculation into the RentalRate service code(Corporate and Insurance). Pass an additional parameter into the service that indicates the one of 3 Discount options. No Checkbox checked is no discount(1). Corporate(2) or Insurance(3) checked then calculate the appropriate discount.

Business Services Tier

Validate that the number of days rented is greater than 0.

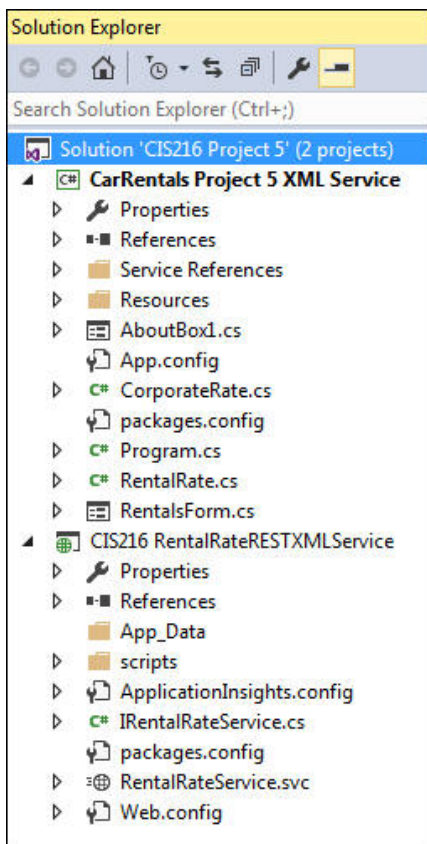
There is no mileage charge if the number of miles does not exceed an average of 100 miles per day rented.

Use the following rates:

Car size	Daily rate	Mileage rate
Compact	26.95	.12
Mid size	32.95	.15
Luxury	50.95	.20

Images shown are using REST XML for the service.

You are to create a JSON service.



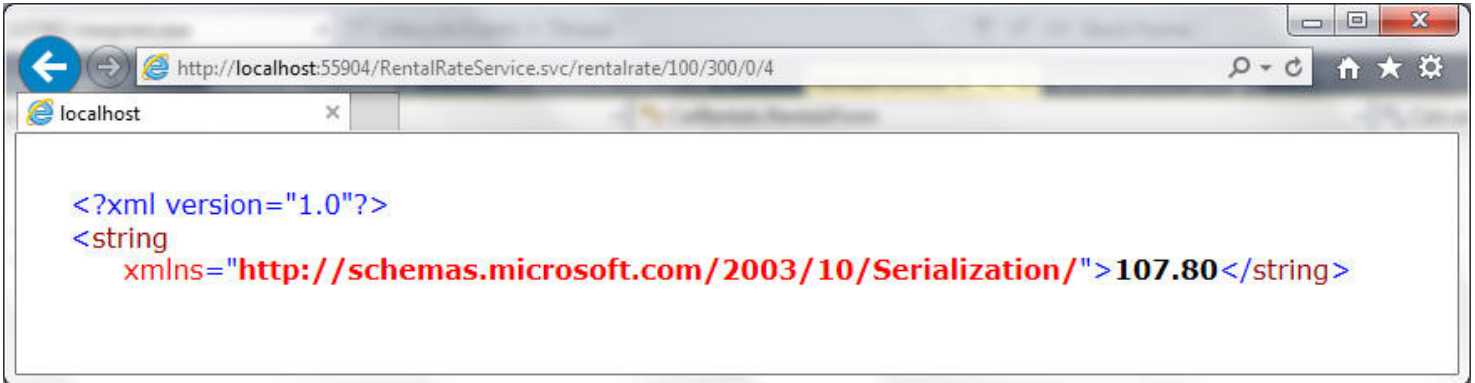
Modiy web service web.config

```

</serviceBehaviors>
<endpointBehaviors>
  <behavior>
    <webHttp/>
  </behavior>
</endpointBehaviors>
</behaviors>
<protocolMapping>
  <add binding="webHttpBinding" scheme="http" />
  <add binding="basicHttpsBinding" scheme="https" />
</protocolMapping>

```

Test the Web Service



-
- Call RentalRateService service using REST XML

```

// object to invoke the WelcomeRESTXMLService

string result = await client.GetStringAsync(new Uri(
    "http://localhost:55904/RentalRateService.svc/rentalrate/" +
    BeginningOdometerInteger + "/" +
    EndingOdometerInteger + "/" +
    CarSizeInteger + "/" + DaysInteger));

// parse the returned XML
XDocument xmlResponse = XDocument.Parse(result);

// get the <string> element's value
AmountDueTextBox.Text = (xmlResponse.Element( xmlNamespace + "string").Value);

```

- Test

Project 5 RESTXML

Customer Name: Alan Cook

Address:

Phone: 5551212

Driver's License: 12345

Type of Credit Card:
Mastercard
American Express

Credit Card Number: 12345

Amount Due: 152.85

Select a Car Size:
☐ Compact
☐ Mid-Size
☒ Luxury

Discounts:
☐ Corporate
☐ Insurance Account

Calculate

Close

Number of Days Rented: 3

Beginning Odometer: 111

Ending Odometer: 222