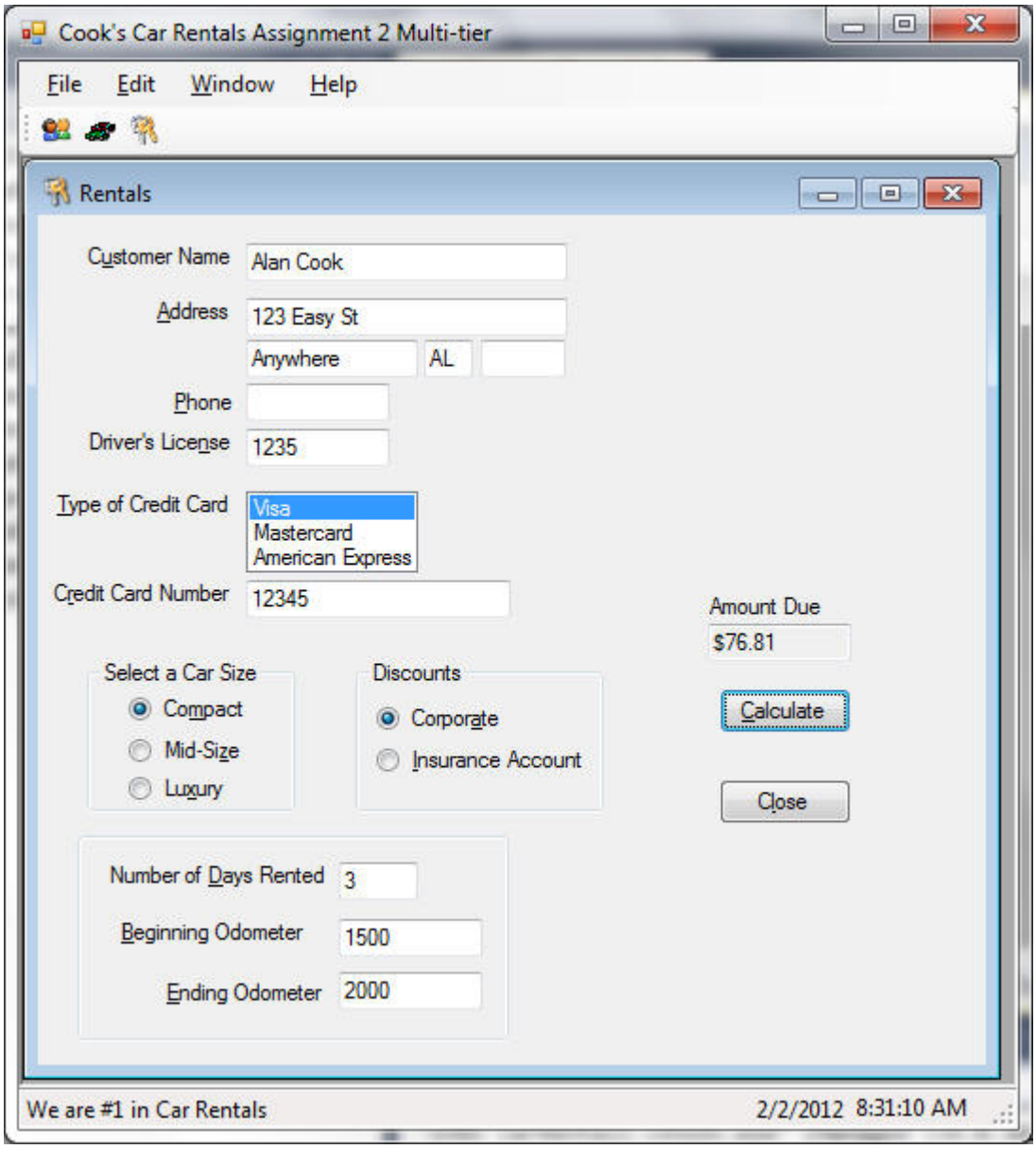
Car Rentals Project 2

Modify Project 1 ot use a Presentation Tier and a Business Services tier

Project 2 Video

Project 2 Description

Presentation Tier



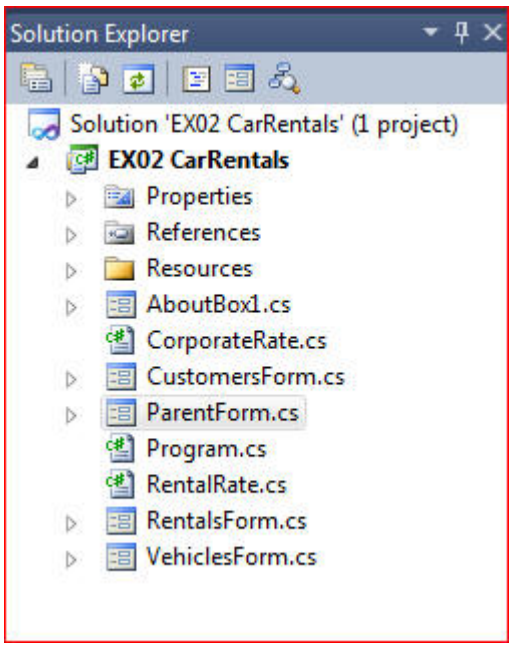
- Validate beginning odometer reading is less than ending odometer reading
- Validate data entry using Validating Event as shown below
  - Driver's license
  - Credit Card
  - Days rented

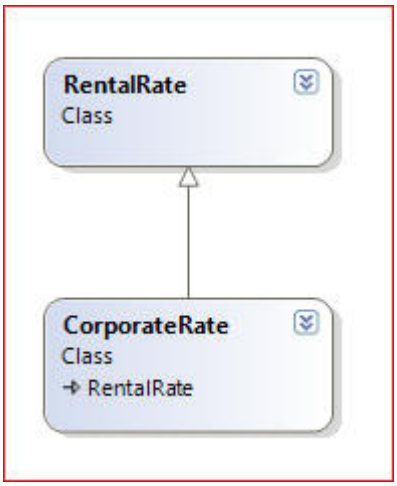
```
private void BeginOdometerTextBox_Validating(object sender, CancelEventArgs e)
{
       // Test the entry for numeric.
Decimal NumberDecimal;

Decimal.TryParse(BeginOdometerTextBox.Text, out NumberDecimal);
if (NumberDecimal == 0)
{
    ErrorProvider1.SetError(BeginOdometerTextBox, "Entry Required.");
    BeginOdometerTextBox.Focus();
    e.Cancel = true;
}
else
    ErrorProvider1.Clear();

}
```

Business Services Tier

- Create a RentalRate class **using the code in the link below as is**
  - RentalRate Class
- Create a Coprorate rate sub-class of RentalRate
  - CoporateRate Class
  - Properties shown below
  - Methods
    - Constructor shown below
    - FindAmountDue() overides base mehtod
  - Add enum Discont shown below
  -
-

```
public enum Discount : int
{
    Corporate = 1,
    Insurance
}

class CorporateRate : RentalRate
{

    private int DiscountRateInteger;
    const Decimal CORPORATE_DISCOUNT_Decimal = 0.05M;
    const Decimal INSURANCE_DISCOUNT_Decimal = 0.1M;

    public CorporateRate(int BeginningOdometerInteger, int EndingOdometerInteger,
        int CarSizeInteger, int DaysInteger, int DiscountInteger)
        : base(BeginningOdometerInteger, EndingOdometerInteger, CarSizeInteger, DaysInteger)
    {

        DiscountRateInteger = DiscountInteger;
       FindAmountDue();
    }
```


Solution Explorer
Solution 'EX02 CarRentals' (1 project)
EX02 CarRentals
Properties
References
Resources
AboutBox1.cs
CorporateRate.cs
CustomersForm.cs
ParentForm.cs
Program.cs
RentalRate.cs
RentalsForm.cs
VehiclesForm.cs


RentalRate
Class
CorporateRate
Class
RentalRate