

Zach Seibel & Conrad Hill  
Homework Assignment 5  
Class: M, W, F 2:10 - 3:00 PM  
Date March 3<sup>rd</sup>, 2018  
URL: http://localhost:57703/HW5.aspx

Partial Class HW5

Inherits System.Web.UI.Page

```
Protected Sub btnCalculate_Click(sender As Object, e As EventArgs) Handles
btnCalculate.Click
    Page.MaintainScrollPositionOnPostBack = True

    'Basic local variables calculating costs of miles traveled, days rented, and
total cost
    Dim decTotalCost As Decimal
    Dim decTotalMiles As Decimal
    Dim decMilesCost As Decimal
    Dim decDaysRentedCost As Decimal
    'Timespan variable
    Dim ts As TimeSpan

    'Error checking for vehicle selected
    If rblVehicle.SelectedIndex = -1 Then
        tbOutput.Text = "Please select the vehicle rented."
        Exit Sub
    End If

    'Error checking for start miles
    If IsNumeric(tbStart.Text) = False OrElse CDec(tbStart.Text) < 0 Then
        tbOutput.Text = "Please enter a numeric starting mileage."
        Exit Sub
    End If

    'Error checking for end miles
    If IsNumeric(tbEnd.Text) = False OrElse CDec(tbEnd.Text) <= 0 Then
        tbOutput.Text = "Please enter an ending mileage greater than 0."
        Exit Sub
    End If

    'Error checking to make sure end mileage is greater than start mileage
    If CDec(tbStart.Text) > CDec(tbEnd.Text) OrElse CDec(tbStart.Text) =
CDec(tbEnd.Text) Then
        tbOutput.Text = "Please ensure start mileage is less than end mileage."
        Exit Sub
    End If

    'Calendar error checking for selected dates
    If calRented.SelectedDate = Nothing OrElse calReturned.SelectedDate = Nothing
Then
        tbOutput.Text = "Please select both start and end dates."
        Exit Sub
    End If

    'Calendar error checking to make sure rent date is before return date
    If calRented.SelectedDate >= calReturned.SelectedDate Then
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        tbOutput.Text = "Please ensure rent date is prior to return date."
    Exit Sub
End If

'Error checking to make sure damage selection is made
If ddlDamage.SelectedIndex = 0 OrElse ddlDamage.SelectedIndex = -1 Then
    tbOutput.Text = "Please select a level of damage."
    Exit Sub
End If

'Defining total miles variable
decTotalMiles = CDec(tbEnd.Text) - CDec(tbStart.Text)

'Defining cost of mileage variable
decMilesCost = decTotalMiles * 0

'Defining timespan function
ts = calReturned.SelectedDate - calRented.SelectedDate

'Defining cost of rented days variable
decDaysRentedCost = (rblVehicle.SelectedValue * ts.TotalDays)

'Defining total cost variable
decTotalCost = decDaysRentedCost + decMilesCost + ddlDamage.SelectedValue

'Textbox output response
tbOutput.Text = "Total Cost = " & decTotalCost.ToString("C2")
tbOutput.Text &= vbNewLine & vbNewLine & "Cost for days rented = " &
decDaysRentedCost.ToString("C2")
tbOutput.Text &= vbNewLine & vbNewLine & "Cost for mileage = " &
decMilesCost.ToString("C2")
tbOutput.Text &= vbNewLine & vbNewLine & "Cost for damage = $" &
ddlDamage.SelectedValue

End Sub
Protected Sub btnClear_Click(sender As Object, e As EventArgs) Handles btnClear.Click
    'Clear button functions
    rblVehicle.SelectedIndex = -1
    tbStart.Text = Nothing
    tbEnd.Text = Nothing
    calRented.SelectedDate = Nothing
    calReturned.SelectedDate = Nothing
    ddlDamage.SelectedIndex = 0
    tbOutput.Text = Nothing
End Sub
End Class

```

## WSU Motor Pool - Rental Report

Rented Vehicle: ☐ 4 Door Sedan  
☒ 8 Passenger Van  
☐ 3/4 Ton Truck

Start Mileage:

End Mileage:

Date Rented:

March 2018						
≤						≥
Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>1</u>	<u>2</u>	<u>3</u>
<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>
<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>
<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>

Date Returned:

March 2018						
≤						≥
Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>1</u>	<u>2</u>	<u>3</u>
<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>
<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>
<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>

Level of Damage:

Total Cost = \$150.00  
Cost for days rented = \$150.00  
Cost for mileage = \$0.00  
Cost for damage = \$0