Zach Seibel & Conrad Hill
Homework Assignment 3
Class: M, W, F 2:10 – 3:00 PM
Date February 16th, 2018
URL: http://localhost:54701/HW3.aspx

```vb
Partial Class HW3
    Inherits System.Web.UI.Page

    Protected Sub Page_Init(sender As Object, e As EventArgs) Handles Me.Init
        'When you start the webpage show view #1
        MultiView1.ActiveViewIndex = 0
    End Sub

    Protected Sub btnCalculate_Click(sender As Object, e As EventArgs) Handles
btnCalculate.Click
        'tbOutput.Text = "The month is " & Now.Month.ToString & "and the year is " &
Now.Year.ToString

        'Error checking to make sure user selects a state of work
        If ddlState.SelectedIndex <= 0 Then
            tbOutput.Text = "Please select state of work"
            Exit Sub
        End If

        'Error checking to make sure a non-zero number is entered
        If IsNumeric(tbHoursMF.Text) = False OrElse CDec(tbHoursMF.Text) <= 0 Then
            tbOutput.Text = "Please enter an integer higher than 0"
            Exit Sub
        End If

        'Error checking to make sure the amount of overtime hours entered is less than 9
        If IsNumeric(tbHoursSat.Text) = False And CDec(tbHoursSat.Text) <= 8 Then
            tbOutput.Text = "Please enter an integer less than 9"
            Exit Sub
        End If

        'Error checking to make sure pre-tax medical deduction doesn't exceed $200
        If CDec(tbDeduction.Text) >= 201 Then
            tbOutput.Text = "The monthly pre-tax medical deduction limit is $200"
            Exit Sub
        End If

        'Error checking to make sure that a number equal to or greater than zero is
entered
        If IsNumeric(tbDeduction.Text) = False OrElse CDec(tbDeduction.Text) <= -1 Then
            tbOutput.Text = "Please enter zero for no pre-tax medical deduction if not
wanted"
            Exit Sub
        End If

        'Error checking to make sure a number equal to or greater than zero is entered
        If IsNumeric(tbBill1.Text) = False OrElse CDec(tbBill1.Text) <= -1 Then
            tbOutput.Text = "Please enter zero if no bill payment wanted"
            Exit Sub
        End If

        'Error checking to make sure a number equal to or greater than zero is entered
```

```vb
If IsNumeric(tbBill2.Text) = False OrElse CDec(tbBill2.Text) <= -1 Then
    tbOutput.Text = "Please enter zero if no bill payment wanted"
    Exit Sub
End If

'Error checking to make sure a number equal to or greater than zero is entered
If IsNumeric(tbBill3.Text) = False OrElse CDec(tbBill3.Text) <= -1 Then
    tbOutput.Text = "Please enter zero if no bill payment wanted"
    Exit Sub
End If

'Local variable that keeps track of total hours worked
Dim intTotalHours As Integer
intTotalHours = CDec(tbHoursMF.Text) + CDec(tbHoursSat.Text)

'Local variable that keeps track of money earned during the weekdays
Dim decMFPay As Decimal


If decMFPay > 40 Then
    decMFPay = (ddlState.SelectedValue * 40) + (CDec(tbHoursMF.Text) - 40) * 1.5
Else
    decMFPay = ddlState.SelectedValue * CDec(tbHoursMF.Text)
End If


'Dim decMFOverPay As Decimal
'decMFOverPay = CDec(tbOverHoursMF.Text) * 1.5

'Local variable that calculates money earned from saturdays
Dim decSatPay As Decimal
decSatPay = ddlState.SelectedValue * CDec(tbHoursSat.Text)
decSatPay = decSatPay * 2

'local variable calculating gross pay before taxes
Dim decGrossPay As Decimal
decGrossPay = decMFPay + decSatPay

'local variable for pre-tax medical deductions
Dim decDeductions As Decimal
decDeductions = CDec(tbDeduction.Text)

'local variable pre-tax net pay
Dim decPreTaxNet As Decimal
decPreTaxNet = decGrossPay - decDeductions

'Defining tax variable
Dim decTaxes As Decimal
If ddlState.SelectedIndex = 1 Then
    decTaxes = 0 * decPreTaxNet
End If

If ddlState.SelectedIndex = 2 Then
    decTaxes = 0.09 * decPreTaxNet
End If

If ddlState.SelectedIndex = 3 Then
    decTaxes = 0.0765 * decPreTaxNet
```

```vb
            End If

            Dim decNetPay As Decimal
            decNetPay = decPreTaxNet - decTaxes

            Dim decBills As Decimal
            decBills = CDec(tbBill1.Text) + CDec(tbBill2.Text) + CDec(tbBill3.Text)


            Dim decNetPayBills As Decimal
            decNetPayBills = decNetPay - decBills

            'Output functions for the calculate button
            tbOutput.Text = "Total Hours Worked: " & intTotalHours.ToString
            'tbOutput.Text &= vbNewLine & vbNewLine & "Overtime Hours Worked: " &
intTotalOverHours.ToString
            tbOutput.Text &= vbNewLine & vbNewLine & "Gross Pay: " &
decGrossPay.ToString("C2")
            tbOutput.Text &= vbNewLine & vbNewLine & "Pre-Tax Deductions: " &
decDeductions.ToString("C2")
            tbOutput.Text &= vbNewLine & vbNewLine & "State Income Taxes: " &
decTaxes.ToString("C2")
            tbOutput.Text &= vbNewLine & vbNewLine & "Net Pay after Taxes: " &
decNetPay.ToString("C2")
            tbOutput.Text &= vbNewLine & vbNewLine & "Optional Bill Totals: " &
decBills.ToString("C2")
            tbOutput.Text &= vbNewLine & vbNewLine & "Pay after Bills Deduction: " &
decNetPayBills.ToString("C2")
    End Sub

    Protected Sub btnClear_Click(sender As Object, e As EventArgs) Handles btnClear.Click
        'Clear button properties
        tbHoursMF.Text = Nothing
        tbHoursSat.Text = Nothing
        ddlState.SelectedIndex = 0
        tbOutput.Text = Nothing
        tbDeduction.Text = Nothing
        tbBill1.Text = Nothing
        tbBill2.Text = Nothing
        tbBill3.Text = Nothing
    End Sub

    'The following are functionalities for multiview
    Protected Sub LinkButton1_Click(sender As Object, e As EventArgs) Handles
LinkButton1.Click
        'Go to view 2
        MultiView1.ActiveViewIndex = 1
    End Sub

    Protected Sub LinkButton2_Click(sender As Object, e As EventArgs) Handles
LinkButton2.Click
        MultiView1.ActiveViewIndex = 2
    End Sub

    Protected Sub LinkButton3_Click(sender As Object, e As EventArgs) Handles
LinkButton3.Click
        MultiView1.ActiveViewIndex = 0
    End Sub
```

End Class