

Partial Class HW1

Inherits System.Web.UI.Page

'The first global variable tracks the total number of transactions for all items

'The second global variable tracks the total revenue for all items

Public Shared gintTotalTransactions As Integer

Public Shared gdecRevenue As Decimal

'These global variables are used to count the number of transactions for specific categories of items

Public Shared gintMagazine As Integer

Public Shared gintBook As Integer

Public Shared gintToy As Integer

'These global variables are used to track the revenue for specific categories of items

Public Shared gdecMagazineRevenue As Decimal

Public Shared gdecBookRevenue As Decimal

Public Shared gdecToyRevenue As Decimal

Protected Sub btnCalculate\_Click(sender As Object, e As EventArgs) Handles btnCalculate.Click

'Error checking what if statement to ensure that user selects item from drop down list

If ddlItem.SelectedIndex <= 0 Then

tbOutput.Text = "Please select an item."

Exit Sub

End If

'Local variables

Dim decTotal As Decimal

Dim decMagazine As Decimal

Dim decBook As Decimal

Dim decToy As Decimal

'Defining local variables into different categories

decMagazine = ddlItem.SelectedIndex = 1 And 2

decBook = ddlItem.SelectedIndex = 5 And 6

decToy = ddlItem.SelectedIndex = 3 And 4

'Error checking quantity input is a non-zero number or else exit the sub

If IsNumeric(tbQuantity.Text) = False OrElse CDec(tbQuantity.Text) = 0 Then

tbOutput.Text = "Please use a non-zero number."

Exit Sub

End If

'Output for calculating sub total, tax, and grand total

decTotal = ddlItem.SelectedValue \* CDec(tbQuantity.Text)

tbOutput.Text = vbNewLine & "The sub total for " & ddlItem.SelectedItem.Text & " is " & decTotal.ToString("C2")

tbOutput.Text &= vbNewLine & vbNewLine & "The tax for the purchase is " & FormatCurrency(decTotal.ToString \* 0.095)

tbOutput.Text &= vbNewLine & vbNewLine & "The grand total for the purchase is " & FormatCurrency(decTotal + (decTotal \* 0.095))

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'Global variables tracking updated values
gintTotalTransactions += 1
gdecRevenue += decTotal

'Global variable tracking updated values
gdecMagazineRevenue += decMagazine
gdecBookRevenue += decBook
gdecToyRevenue += decToy

item 'These if statements allow a specific picture to display when user selects an
If ddlItem.SelectedIndex = 1 Then
    image.ImageUrl = "forbes.jpg"
End If

If ddlItem.SelectedIndex = 2 Then
    image.ImageUrl = "gq.jpg"
End If

If ddlItem.SelectedIndex = 3 Then
    image.ImageUrl = "fidgetspinner.jpg"
End If

If ddlItem.SelectedIndex = 4 Then
    image.ImageUrl = "yoyo.jpg"
End If

If ddlItem.SelectedIndex = 5 Then
    image.ImageUrl = "hungergames.jpg"
End If

If ddlItem.SelectedIndex = 6 Then
    image.ImageUrl = "harrypotter.jpg"
End If

End Sub
Protected Sub btnClear_Click(sender As Object, e As EventArgs) Handles btnClear.Click
    'Clear button functions
    tbOutput.Text = Nothing
    tbQuantity.Text = Nothing
    ddlItem.SelectedIndex = 0
    image.ImageUrl = Nothing
End Sub

Protected Sub btnLogin_Click(sender As Object, e As EventArgs) Handles btnLogin.Click
    'This if statement allows manager user to enter password so see running totals
    from global variables
    If tbPassword.Text = "325" Then
        panelManager.Visible = True
    End If

    'This is the output textbox for the manager to see

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        tbManager.Text = "There have been " & gintTotalTransactions.ToString & " number
of transactions."
        tbManager.Text &= vbNewLine & vbNewLine & "The following transactions have earned
" & gdecRevenue.ToString("C2") & " in total revenue."
        tbManager.Text &= vbNewLine & vbNewLine & "The total magazine transactions are "
& gintMagazine.ToString
        tbManager.Text &= vbNewLine & vbNewLine & "The total book transactions are " &
gintBook.ToString
        tbManager.Text &= vbNewLine & vbNewLine & "The total toy transactions are " &
gintToy.ToString
        tbManager.Text &= vbNewLine & vbNewLine & "The total revenue for magazines are "
& gdecMagazineRevenue.ToString("C2")
        tbManager.Text &= vbNewLine & vbNewLine & "The total revenue for books are " &
gdecBookRevenue.ToString("C2")
        tbManager.Text &= vbNewLine & vbNewLine & "The total revenue for toys are " &
gdecToyRevenue.ToString("C2")

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End Sub

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Protected Sub rblItems_SelectedIndexChanged(sender As Object, e As EventArgs) Handles
rblItems.SelectedIndexChanged

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    'These what if statements update the number of specific category transactions

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    If rblItems.SelectedIndex = 0 Then

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        gintMagazine += 1

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    End If

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    If rblItems.SelectedIndex = 1 Then

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        gintBook += 1

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    End If

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    If rblItems.SelectedIndex = 2 Then

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        gintToy += 1

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    End If

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End Sub

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Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load

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End Sub

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End Class

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