

Option Strict On

Partial Class shoppingcart

Inherits System.Web.UI.UserControl

```
'This call is required by the Web Form Designer.
<System.Diagnostics.DebuggerStepThrough()> Private Sub InitializeComponent()

End Sub

Protected WithEvents lbContinueShopping As System.Web.UI.WebControls.LinkButton
Protected WithEvents lbPlaceOrder As System.Web.UI.WebControls.LinkButton

'NOTE: The following placeholder declaration is required by the Web Form Designer.
'Do not delete or move it.
Private designerPlaceholderDeclaration As System.Object

Private Sub Page_Init(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
MyBase.Init
    'CODEGEN: This method call is required by the Web Form Designer
    'Do not modify it using the code editor.
    InitializeComponent()
End Sub

Dim total As Integer
Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
MyBase.Load
    '=====
    Dim noItems As String = CType(Request.Params("noitems"), String)
    Try
        If Not noItems Is String.Empty Then

            If defendInjection1(noItems) = False Then
                Me.lblCartEmpty.Text = "Sorry, our web site has encountered an error in your
shopping cart. If you are having trouble checking out, please use the <a href='contactus.aspx'>Contact
Us Form</a> and tell us about your difficulty. "
                Exit Sub
            End If
            If noItems = "true" Then
                cookieMessage()
                'Exit the shoppingcart
                Exit Sub
            End If

        End If
    Catch ex As Exception
        Me.lblCartEmpty.Text = ex.ToString
    End Try
    '-----
    '=====
    If Not Page.IsPostBack Then

        Dim ProductID As String = CType(Request.Params("AddTocart"), String)
        Dim Proceed As String = CType(Request.Params("Proceed"), String)
        'If we recieve an add to cart parameter in the query string,
        'This is the ID of the product for which the add
        ' to cart button was clicked
        '=====
```

```

If Not ProductID Is Nothing Then
    If ProductID = "viewcart" Then
        BindShoppingCart()
        'TDshipping.Visible = True
    ElseIf Proceed = "checkout" Then
        BindShoppingCart()
        'TDshipping.Visible = True
    ElseIf ProductID = "view" Then
        'Just looking
        BindShoppingCart()
        'TDshipping.Visible = True
        '=====
    Else
        '=====
        If Not Context.Session("Customer") Is Nothing Then

            'Session.Abandon()

            Dim LoggedIn As New User
            LoggedIn = CType(Context.Session("Customer"), User)
            Dim cart As New cart
            Dim PkOrderID As Integer
            If LoggedIn.OrderNumber > 1 Then
                PkOrderID = LoggedIn.OrderNumber
            ElseIf IsNumeric(ProductID) Then
                Try
                    cart.AddProduct(Integer.Parse(CStr(CType(Request.Params("AddTocart"),
Integer))))
                Catch ex As Exception
                    sendThatMail("ShoppingCart Error: AddProduct line 89", "services@JASON-
G-EXAMPLE.com", "JASON-G-EXAMPLE@yahoo.com", ex.ToString)
                End Try
                'Update the datagrid
                BindShoppingCart()
            End If
            '=====

            If Not ProductID Is Nothing Then
                Dim ProID As Integer
                Try
                    ProID = Integer.Parse(CStr(CType(ProductID, Integer)))
                    LoggedIn.OrderNumber = CType(cart.AddProduct(ProID, LoggedIn.PkUserID,
PkOrderID), Integer)
                Catch ex As Exception
                    sendThatMail("ShoppingCart Error: LoggedIn.OrderNumber line 99", "services@JASON-G-EXAMPLE.com",
"JASON-G-EXAMPLE@yahoo.com", ex.ToString)
                End Try
            End If
            'Update the datagrid
            Context.Session("Customer") = LoggedIn
            BindShoppingCart()

            'TDshipping.Visible = True
            '=====
        Else
            '=====
            Dim cart As New cart

            Try
                ProductID = ProductID.Replace("", "")
                cart.AddProduct(Integer.Parse(CStr(CType(ProductID, Integer))))
            Catch ex As Exception
                sendThatMail("ShoppingCart Error: cart.AddProduct line 116",
"services@JASON-G-EXAMPLE.com", "JASON-G-EXAMPLE@yahoo.com", ex.ToString)

```

```

        End Try

        'Update the datagrid
        BindShoppingCart()
        'TDshipping.Visible = True
        Context.Session("custCookieId") = shoppingCartId
        '=====
    End If
End If

Else

    If Not Context.Session("Customer") Is Nothing Then
        Dim LoggedIn As New User
        LoggedIn = CType(Context.Session("Customer"), User)
        Dim cart As New cart
        Dim PkOrderID As Integer
        If LoggedIn.OrderNumber < 1 Then
            PkOrderID = 0
        Else
            PkOrderID = LoggedIn.OrderNumber
        End If
        '----- This has a productID of Nothing

        Dim ProID As Integer
        Try
            If Not ProductID Is DBNull.Value And IsNumeric(ProductID) Then
                ProID = Integer.Parse(CStr(CType(ProductID, Integer)))
                LoggedIn.OrderNumber = CType(cart.AddProduct(ProID, LoggedIn.PkUserID,
PkOrderID), Integer)
            End If
            Catch ex As Exception
                sendThatMail("ShoppingCart Error: LoggedIn.OrderNumber line 145",
"services@JASON-G-EXAMPLE.com", "JASON-G-EXAMPLE@yahoo.com", ex.ToString)
            End Try

            'Update the datagrid
            Context.Session("Customer") = LoggedIn
            BindShoppingCart()
            'TDshipping.Visible = True
            If Me.GVShopping.Rows.Count <= 0 Then
                Response.Redirect("orderform.aspx?page=viewcart")
            End If

        Else
            Dim cart As New cart
            Try
                cart.AddProduct(Integer.Parse(CStr(CType(Request.Params("AddTocart"),
Integer))))
            Catch ex As Exception
                sendThatMail("ShoppingCart Error: AddProduct line 162", "services@JASON-G-
EXAMPLE.com", "JASON-G-EXAMPLE@yahoo.com", ex.ToString)
            End Try

            'Update the datagrid
            BindShoppingCart()
            'TDshipping.Visible = True
            Context.Session("custCookieId") = shoppingCartId
        End If
    End If
End If
End Sub

Private Sub BindShoppingCart()

```

```

'Populate the datagrid and set it's datakey field
Dim Cart As New cart

'===== IS THE USER LOGGED IN? =====
Dim loggedin As New User
If Not Context.Session("Customer") Is Nothing Then
    loggedin = CType(Context.Session("Customer"), User)

    If loggedin.Completed = False Then
        'Add product to open cart
        GVShopping.DataSource = Cart.GetProductsLoggedIn(loggedin.OrderNumber)
        GVShopping.DataBind()
        'Count the Items in the Cart - determine if empty cart
        emptyCart()

    Else
        'Count the Items in the Cart - determine if empty cart
        emptyCart()

    End If
    '===== End USER LOGGED IN =====
Else
    '===== USE COOKIE CART =====
    Try
        Me.GVShopping.DataSource = Cart.GetProducts
        Me.GVShopping.DataBind()
    Catch ex As Exception
        sendThatMail("Cart.GetProducts Error: AddProduct line 205", "services@JASON-G-
EXAMPLE.com", "JASON-G-EXAMPLE@yahoo.com", ex.ToString)
    End Try

    'Count the Items in the Cart - determine if empty cart
    emptyCart()

End If

End Sub

Function emptyCart() As Boolean

    'Count the Items in the Cart
    If Me.GVShopping.Rows.Count = 0 Then
        'No items - Show message
        lblCartEmpty.Text = "<br />Your Cart is Currently Empty"
        Context.Session("emptycart") = True
        Return True
    Else
        'Just continue - we reset values
        Context.Session("emptycart") = False
        lblCartEmpty.Text = String.Empty
        Return False
    End If

End Function

Protected Sub GVShopping_RowDataBound(ByVal sender As Object, ByVal e As
System.Web.UI.WebControls.GridViewRowEventArgs) Handles GVShopping.RowDataBound
    If e.Row.RowType = ListItemType.Item Or _
        e.Row.RowType = ListItemType.AlternatingItem Then
        'Get Description

```

```

        Dim desc As String = CType(DataBinder.Eval(e.Row.DataItem, "descript"), String)
        e.Row.Cells(2).Text = GetDescription(desc)
    End If
End Sub

Protected Sub GVShopping_RowEditing(ByVal sender As Object, ByVal e As
System.Web.UI.WebControls.GridViewEditEventArgs) Handles GVShopping.RowEditing
    If GVShopping.EditIndex <> e.NewEditIndex Then
        GVShopping.EditIndex = e.NewEditIndex
        BindShoppingCart()
    End If
End Sub

Protected Sub GVShopping_RowCancelingEdit(ByVal sender As Object, ByVal e As
System.Web.UI.WebControls.GridViewCancelEditEventArgs) Handles GVShopping.RowCancelingEdit
    Me.GVShopping.EditIndex = -1
    BindShoppingCart()
End Sub

Protected Sub GVShopping_RowUpdating(ByVal sender As Object, ByVal e As
System.Web.UI.WebControls.GridViewUpdateEventArgs) Handles GVShopping.RowUpdating

    Dim productId As Integer = CType(GVShopping.DataKeys(e.RowIndex).Value, Integer)
    Dim quantity As Integer
    Dim row As GridViewRow = GVShopping.Rows(e.RowIndex)

    'Populate it with the new data
    Dim txt As TextBox
    txt = CType(row.FindControl("txtAmtQuantity"), TextBox)
    If IsNumeric(txt.Text) Then
        'Make the update
        quantity = Integer.Parse(CStr(CType(txt.Text, Integer)))

        'Create Cart Object
        Dim cart As New cart
        'Check for logged in user
        If Not Context.Session("Customer") Is Nothing Then
            'Call Logged in update create new User object
            Dim LoggedIn As New User
            'Fill User Info
            LoggedIn = CType(Context.Session("Customer"), User)
            'Call Overloaded Update
            Try
                cart.UpdateProductQuantity(LoggedIn.PkUserID, LoggedIn.OrderNumber,
productId.ToString, Integer.Parse(CStr(CType(quantity, Integer))))
            Catch ex As Exception
                sendThatMail("ShoppingCart Error: UpdateProductQuantity line 281", "services@JASON-
G-EXAMPLE.com", "JASON-G-EXAMPLE@yahoo.com", ex.ToString)
            Finally
                Me.GVShopping.EditIndex = -1
                BindShoppingCart()
            End Try
        Else
            'Use guest cookie cart
            Try
                cart.UpdateProductQuantity(productId.ToString, Integer.Parse(CStr(CType(quantity,
Integer))))
            Catch ex As Exception
                sendThatMail("ShoppingCart Error: UpdateProductQuantity line 289", "services@JASON-
G-EXAMPLE.com", "JASON-G-EXAMPLE@yahoo.com", ex.ToString)
            Finally
                Me.GVShopping.EditIndex = -1
                BindShoppingCart()
            End Try
        End If
    End If
End Sub

```

```

        End If

Else
    'End the edit
    Me.GVShopping.EditIndex = -1
    BindShoppingCart()
End If

End Sub

Protected Sub GVShopping_RowDeleting(ByVal sender As Object, ByVal e As
System.Web.UI.WebControls.GridViewDeleteEventArgs) Handles GVShopping.RowDeleting

    Dim productId As Integer = CType(GVShopping.DataKeys(e.RowIndex).Value, Integer)

    Dim cart As New cart
    'Check for logged in user
    If Not Context.Session("Customer") Is Nothing Then
        'Call Logged in update create new User object
        Dim LoggedIn As New User
        'Fill User Info
        LoggedIn = CType(Context.Session("Customer"), User)
        'Call Overloaded Update
        Try
            cart.RemoveProduct(LoggedIn.OrderNumber, productId)
        Catch ex As Exception
            sendThatMail("ShoppingCart Error: RemoveProduct line 268", "services@JASON-G-
EXAMPLE.com", "JASON-G-EXAMPLE@yahoo.com", ex.ToString)
        End Try
    Else
        'Calls the remove class instance
        cart.RemoveProduct(productId.ToString)
    End If

    'Repopulate the datagrid data
    GVShopping.EditIndex = -1
    BindShoppingCart()
End Sub

Dim runningSum As Decimal = 0.0

Sub GridViewRowEventHandler(ByVal sender As Object, ByVal e As
System.Web.UI.WebControls.GridViewRowEventArgs)
    If e.Row.RowType = ListItemType.Item Or _
        e.Row.RowType = ListItemType.AlternatingItem Then
        runningSum += Convert.ToDecimal(DataBinder.Eval(e.Row.DataItem, "SubTotal"))

    ElseIf e.Row.RowType = ListItemType.Footer Then
        e.Row.Cells(3).Text = "<b>Total:</b> "
        e.Row.Cells(4).Text = String.Format("{0:c}", runningSum)
    End If
End Sub

Sub KeepRunningSum(ByVal sender As Object, ByVal e As DataGridItemEventArgs)
    If e.Item.ItemType = ListItemType.Item Or _
        e.Item.ItemType = ListItemType.AlternatingItem Then
        runningSum += Convert.ToDecimal(DataBinder.Eval(e.Item.DataItem, "SubTotal"))
    ElseIf e.Item.ItemType = ListItemType.Footer Then
        e.Item.Cells(3).Text = "<b>Total:</b> "
        e.Item.Cells(4).Text = String.Format("{0:c}", runningSum)
    End If
End Sub

Function GetDescription(ByVal description As String) As String

```

```
'Remove all Quote holders with utils helper function
description = replaceQuotesOut(description)
'Return the HTML value
description = Web.HttpUtility.HtmlDecode(description)
```

```
Return description
End Function
```

```
Protected Sub btnCartProceed_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles
btnCartProceed.Click
```

```
'Redirect to check out page
Response.Redirect("checkout.aspx")
```

```
End Sub
```

```
Protected Sub btnCartContinue_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles
btnCartContinue.Click
```

```
'Redirect to the catalog
Response.Redirect("orderform.aspx")
```

```
End Sub
```

```
Sub cookieMessage()
Dim cookiemessage As New StringBuilder
cookiemessage.Append("<h2>Your Shopping Cart is Empty.</h2>You have not added any items to your
cart or your browser may not accept cookies that allow you to add items to your cart.<h2>Try the
following hints.</h2><ul><li>If your browser asks you to accept cookies, choose &quot;accept&quot; each
time.</li>")
cookiemessage.Append("<li>Perhaps your browser is not set to allow cookies. Consult
&quot;Help&quot; on your browser to find out how to change this setting.</li>")
cookiemessage.Append("<li>Check the copyright date on your browser (Go to &quot;Help...
About..&quot;). Users of old browsers may want to try the latest version from <a
href='http://www.mozilla.com/en-US/firefox/'>Firefox<a>, <a
href='http://www.opera.com/download/'>Opera<a>, <a
href='http://www.microsoft.com/windows/ie/default.htm'>Microsoft<a>, or <a
href='http://home.netscape.com/browsers/'>Netscape<a>.</li>")
cookiemessage.Append("</ul> <h3><a href='http://en.wikipedia.org/wiki/HTTP_cookie'
_target='blank' >What is a cookie?</a></h3>")
cookiemessage.Append("<p>A cookie is a small amount of data sent to your browser by our
servers. <a href='http://www.JASON-G-EXAMPLE.com/privacy.aspx'>Read<a> more about cookies and JASON'S
EXAMPLE COMPANY policy on their use at the bottom of our privacy policy.</p>")
```

```
Me.lblCartEmpty.Text = cookiemessage.ToString
```

```
End Sub
```

```
Function checkForCookies() As Boolean
```

```
Dim cartCookie As String = CType(shoppingCartId, String)
```

```
'if nothing comes back then we assume that cookies are turned off
```

```
If cartCookie = Nothing Then
```

```
Return False
```

```
End If
```

```
'if nothing comes back then we assume that cookies are turned off
```

```
If cartCookie = String.Empty Then
```

```
Return False
```

```
End If
```

```
'Else return true
```

```
Return True
```

```
End Function
```

```
ReadOnly Property shoppingCartId() As String
```

```
Get
```

```
Dim context As HttpContext = HttpContext.Current
```

```

' If the JASON-G-EXAMPLE_CartID cookie doesn't exist
' on client machine we create it with a new GUID
If context.Request.Cookies("JASON-G-EXAMPLE_CartID") Is Nothing Then

    ' Generate a new GUID
    Dim cartId As Guid = Guid.NewGuid()

    ' Create the cookie and set its value
    Dim cookie As New HttpCookie("JASON-G-EXAMPLE_CartID", cartId.ToString)

    ' Current Date
    Dim currentDate As DateTime = DateTime.Now()

    ' Set the time span to 10 days
    Dim ts As New TimeSpan(10, 0, 0, 0)

    ' Expiration Date
    Dim expirationDate As DateTime = currentDate.Add(ts)

    ' Set the Expiration Date to the cookie
    cookie.Expires = expirationDate

    ' Set the cookie on client's browser
    context.Response.Cookies.Add(cookie)

End If

Return context.Request.Cookies("JASON-G-EXAMPLE_CartID").Value
'End If

End Get
End Property

```

```

End Class
Public Structure cookieCheck
    Dim checkNumber As Integer
    Dim CookieCartID As String
End Structure

```