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1 <%@ Page Language="vb" AutoEventWireup="false" Inherits="Web_VB.Web_VB.MergerExamples.Invoice" CodeFile="Invoice.aspx.vb" %>
2 <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN" >
3
4 <html>
5   <head>
6     <title>DynamicPDF Merger v10.0 for .NET - Invoice Example</title>
7     <link rel="stylesheet" type="text/css" href="../DynamicPDF.css">
8   </head>
9   <body>
10
11     <div id="banner">
12       
13       <div id="header"><i>Dynamic</i><b>PDF</b> Merger v10.0 for .NET Examples</div>
14       <h1>Invoice Example</h1>
15     </div>
16
17     <div id="content">
18       <form id="FormFill" method="get" target="_blank" runat="server">
19         <h1>Select the invoices to include in the PDF.</h1>
20         <asp:CheckBoxList id="chkInvoices" runat="server">
21           <asp:ListItem Value="10248">10248</asp:ListItem>
22           <asp:ListItem Value="10249">10249</asp:ListItem>
23           <asp:ListItem Value="10250">10250</asp:ListItem>
24           <asp:ListItem Value="10251">10251</asp:ListItem>
25           <asp:ListItem Value="10252">10252</asp:ListItem>
26           <asp:ListItem Selected=True Value="10360">10360</asp:ListItem>
27           <asp:ListItem Selected=True Value="10979">10979</asp:ListItem>
28           <asp:ListItem Value="11077">11077</asp:ListItem>
29         </asp:CheckBoxList>
30         <asp:Button id="btnCreateInvoices" Text="Create Invoices" runat="server" />
31       </form>
32     </div>
33
34   </body>
35 </html>
```

## Invoice.aspx.vb

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```
1 Imports System.Data
2 Imports System.Data.SqlClient
3
4 Imports ceTe.DynamicPDF
5 Imports ceTe.DynamicPDF.Merger
6 Imports ceTe.DynamicPDF.PageElements
7 Imports ceTe.DynamicPDF.PageElements.BarCoding
8
9 Namespace Web_VB.Web_VB.MergerExamples
10     Partial Class Invoice
11         Inherits System.Web.UI.Page
12
13         ' Connection string to the Northwind database
14         Private Shared dBConnString As String =
15             System.Configuration.ConfigurationSettings.AppSettings("NorthWindConnectionString")
16
17 #Region " Page_Load Method "
18
19         Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
20             If IsPostBack Then
21                 CreateInvoices()
22             End If
23         End Sub
24
25 #End Region
26
27 #Region " Private Methods "
28
29         Private Sub CreateInvoices()
30             ' Create a document and set it's properties
31             Dim MyDocument As Document = New Document
32             MyDocument.Creator = "Invoice.aspx"
33             MyDocument.Author = "ceTe Software"
34             MyDocument.Title = "Invoice"
35
36             ' Establishes connection to the database
37             Dim Connection As SqlConnection = GetOpenDBConn()
38
39             ' Add Invoices to the document
40             Dim Item As System.Web.UI.WebControls.ListItem
41             For Each Item In chkInvoices.Items
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42         If Item.Selected Then
43             Dim Invoice As MyInvoice = New MyInvoice(Me.Server)
44             Invoice.Draw(Connection, MyDocument, Integer.Parse(Item.Value))
45         End If
46     Next
47
48     ' Cleans up database connections
49     Connection.Close()
50
51     ' Outputs the Invoices to the current web MyPage
52     Try
53         MyDocument.DrawToWeb("Invoice.pdf")
54     Catch Empty As EmptyDocumentException
55         ' Show an empty document error
56         ShowErrorDocument("Document is empty. No invoices were selected.", "")
57     Catch General As Exception
58         ' Show a general error
59         ShowErrorDocument(General.Message, General.StackTrace)
60     Finally
61         Visible = False
62     End Try
63 End Sub
64
65 Private Function GetOpenDBConn() As SqlConnection
66     ' Creates and opens a database connection
67     Dim Connection As SqlConnection = New SqlConnection(dbConnString)
68     Connection.Open()
69     Return Connection
70 End Function
71
72 Private Sub ShowErrorDocument(ByVal Message As String, ByVal StackTrace As String)
73     ' Shows the error in a PDF document
74     Response.Clear()
75     Dim MyDocument As Document = New Document
76     Dim MyPage As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(PageSize.Letter, PageOrientation.Portrait)
77
78     Dim MyMessage As TextArea = New TextArea(Message, 0, 0, 512, 36, Font.Helvetica, 18, RgbColor.Red)
79     MyMessage.Height = MyMessage.GetRequiredHeight()
80     MyPage.Elements.Add(MyMessage)
81
82     If StackTrace.Trim().Length > 0 Then
83         Dim StackTraceTop As Single = MyMessage.Y + MyMessage.Height + 20
```

```
84
85         Dim MyStackTrace As TextArea = New TextArea(StackTrace, 0, StackTraceTop, 512, 692 - StackTraceTop,
Font.Helvetica, 10)
86
87         MyPage.Elements.Add(New ceTe.DynamicPDF.PageElements.Label("StackTrace:", 0, StackTraceTop - 12, 512, 12,
Font.HelveticaBold, 10))
88         MyPage.Elements.Add(MyStackTrace)
89     End If
90     MyDocument.Pages.Add(MyPage)
91     MyDocument.DrawToWeb("ErrorDocument.pdf")
92     Response.End()
93 End Sub
94
95 #End Region
96
97 #Region " MyInvoice Sub Class "
98
99     Private Class MyInvoice
100         Private Shared TemplatePath As String
101
102         Private SubTotal As Decimal = 0
103         Private Freight As Decimal = 0
104
105         Private Shared TemplatePathSet As Boolean = False
106
107         Public Sub New(ByVal Server As System.Web.HttpServerUtility)
108             ' Sets the template files path
109             ' This is done in the constructor because MapPath is not available within the subclass
110             SetTemplatePath(Server)
111         End Sub
112
113         Private Sub SetTemplatePath(ByVal Server As System.Web.HttpServerUtility)
114             ' Adds the image to MyPage template if it is not already added
115             If Not TemplatePathSet Then
116                 TemplatePath = Server.MapPath("../PDFs/Invoice.pdf")
117                 TemplatePathSet = True
118             End If
119         End Sub
120
121         Public Sub Draw(ByVal Connection As SqlConnection, ByVal MyDocument As Document, ByVal InvoiceNumber As Integer)
122             ' Each Invoice should begin a new section
123             MyDocument.Sections.Begin()
```

```
124
125     ' Gets the Invoice data
126     Dim Data As SqlDataReader = GetInvoiceData(Connection, InvoiceNumber)
127
128     ' Adds the invoice if there is data
129     If Data.Read() Then
130         ' Sets the Freight amount
131         Freight = CType(Data("Freight"), Decimal)
132
133         ' Draws the invoice data, returns a MyPage object if it is the last MyPage
134         Dim LastPage As Page = DrawInvoiceData(Data, MyDocument)
135         ' Draws additional MyPages if necessary
136         Do While LastPage Is Nothing
137             LastPage = DrawInvoiceData(Data, MyDocument)
138         Loop
139
140         DrawTotals(Data, LastPage)
141     End If
142
143     ' Close DataReader
144     Data.Close()
145 End Sub
146
147 Private Function DrawInvoiceData(ByVal Data As SqlDataReader, ByVal MyDocument As Document) As Page
148     ' Tracks if the invoice is finished
149     Dim InvoiceFinished As Boolean = True
150     ' Tracks the y position on the MyPage
151     Dim YOffset As Single = 288
152
153     ' Create a MyPage using "Invoice.pdf" as a template
154     Dim MyPage As Page = New ImportedPage(TemplatePath, 1)
155
156     ' Uncomment the line below to show a layout grid.
157     'MyPage.Elements.Add(New LayoutGrid())
158
159     ' Add Details to the Invoice
160     DrawInvoiceDetails(Data, MyPage)
161     ' Add bill to address
162     DrawBillTo(Data, MyPage)
163     ' Add ship to address
164     DrawShipTo(Data, MyPage)
165
```

```
166     ' Add line items to the Invoice
167     While DrawLineItem(Data, MyPage, YOffset)
168         ' Break if at the bottom of the MyPage
169         If YOffset >= 666 Then
170             InvoiceFinished = False
171             Exit While
172         End If
173     End While
174
175     ' Add the MyPage to the document
176     MyDocument.Pages.Add(MyPage)
177
178     ' If Invoice is finished return the MyPage else return null so another MyPage will be added
179     If InvoiceFinished Then
180         Return MyPage
181     Else
182         MyPage.Elements.Add(New Label("Continued...", 454, 704, 82, 12, Font.Helvetica, 12, TextAlign.Right))
183         Return Nothing
184     End If
185 End Function
186
187 Private Sub DrawInvoiceDetails(ByVal Data As SqlDataReader, ByVal MyPage As Page)
188     ' Adds Invoice details to the MyPage
189     MyPage.Elements.Add(New Label(Data("OrderID").ToString(), 437, 25, 100, 12, Font.Helvetica, 12))
190     MyPage.Elements.Add(New Label((CType(Data("OrderDate"), DateTime)).ToString("d MMM yyyy"), 437, 39, 100, 12,
191 Font.Helvetica, 12))
192     MyPage.Elements.Add(New Label(Data("CustomerID").ToString(), 437, 53, 100, 12, Font.Helvetica, 12))
193
194     If Not TypeOf Data("ShippedDate") Is DBNull Then
195         MyPage.Elements.Add(New Label((CType(Data("ShippedDate"), DateTime)).ToString("d MMM yyyy"), 437, 67, 100,
196 12, Font.Helvetica, 12))
197     End If
198     MyPage.Elements.Add(New Label(Data("ShipperName").ToString(), 437, 81, 100, 12, Font.Helvetica, 12))
199     MyPage.Elements.Add(New Interleaved25(Data("OrderID").ToString(), 380, 4, 18, False))
200     MyPage.Elements.Add(New PageNumberingLabel("Page %%SP%% of %%ST%% ", 450, 253, 90, 20, Font.HelveticaBold, 12,
201 TextAlign.Center))
202 End Sub
203
204 Private Sub DrawBillTo(ByVal Data As SqlDataReader, ByVal MyPage As Page)
205     ' Adds bill to address
206     Dim BillToAddress As String = Data("BillName").ToString() & vbCrLf & _
207         Data("BillAddress").ToString() & vbCrLf & _
```

```
205         Data("BillCity").ToString() & ", " & _
206         Data("BillPostalCode").ToString() & vbCrLf & _
207         Data("BillCountry").ToString()
208
209         MyPage.Elements.Add(New TextArea(BillToAddress, 28, 138, 194, 70, Font.Helvetica, 12))
210     End Sub
211
212     Private Sub DrawShipTo(ByVal Data As SqlDataReader, ByVal MyPage As Page)
213         ' Adds ship to address
214         Dim ShipToAddress As String = _
215             Data("ShipName").ToString() & vbCrLf & _
216             Data("ShipAddress").ToString() & vbCrLf & _
217             Data("ShipCity").ToString() & ", " & _
218             Data("ShipPostalCode").ToString() & vbCrLf & _
219             Data("ShipCountry").ToString()
220
221         MyPage.Elements.Add(New TextArea(ShipToAddress, 318, 138, 194, 70, Font.Helvetica, 12))
222     End Sub
223
224     Private Function DrawLineItem(ByVal Data As SqlDataReader, ByVal MyPage As Page, ByRef YOffset As Single) As Boolean
225         ' Adds a line item to the invoice
226         Dim Quantity As Int16 = CType(Data("Quantity"), Int16)
227         Dim UnitPrice As Decimal = CType(Data("UnitPrice"), Decimal)
228         Dim LineTotal As Decimal = UnitPrice * Quantity
229         SubTotal += LineTotal
230
231         MyPage.Elements.Add(New Label(Quantity.ToString(), 4, 2 + YOffset, 52, 12, Font.Helvetica, 12, TextAlign.Right))
232         MyPage.Elements.Add(New Label(Data("ProductName").ToString(), 64, 2 + YOffset, 292, 12, Font.Helvetica, 12))
233         MyPage.Elements.Add(New Label(UnitPrice.ToString("#,##0.00"), 364, 2 + YOffset, 82, 12, Font.Helvetica, 12,
TextAlign.Right))
234         MyPage.Elements.Add(New Label(LineTotal.ToString("#,##0.00"), 454, 2 + YOffset, 82, 12, Font.Helvetica, 12,
TextAlign.Right))
235
236         YOffset += 18
237
238         ' Advances the recordset and returns if there are additional records
239         Return Data.Read()
240     End Function
241
242     Private Sub DrawTotals(ByVal Data As SqlDataReader, ByVal MyPage As Page)
243         ' Add totals to the bottom of the Invoice
244         Dim GrandTotal As Decimal = SubTotal + Freight
```

```
245
246         MyPage.Elements.Add(New Label(SubTotal.ToString("#,##0.00"), 454, 668, 82, 12, Font.Helvetica, 12,
TextAlign.Right))
247         MyPage.Elements.Add(New Label(Freight.ToString("#,##0.00"), 454, 686, 82, 12, Font.Helvetica, 12,
TextAlign.Right))
248         MyPage.Elements.Add(New Label(GrandTotal.ToString("#,##0.00"), 454, 704, 82, 12, Font.Helvetica, 12,
TextAlign.Right))
249     End Sub
250
251     Private Function GetInvoiceData(ByVal Connection As SqlConnection, ByVal InvoiceNumber As Integer) As SqlDataReader
252         ' Creates a DataReader for the Invoice
253         Dim Command As SqlCommand = Connection.CreateCommand()
254         Command.CommandText = _
255             "SELECT o.OrderID, o.CustomerID, o.OrderDate, o.ShippedDate, Freight, " & _
256             " o.ShipName, o.ShipAddress, o.ShipCity, o.ShipPostalCode, o.ShipCountry, " & _
257             " c.CompanyName as BillName, c.Address as BillAddress, " & _
258             " c.City as BillCity, c.PostalCode as BillPostalCode, " & _
259             " c.Country as BillCountry, s.CompanyName as ShipperName, " & _
260             " p.ProductName, od.UnitPrice, od.Quantity " & _
261             "FROM Orders o " & _
262             "JOIN Customers c ON " & _
263             " o.CustomerID = c.CustomerID " & _
264             "JOIN Shippers s ON " & _
265             " o.ShipVia = s.ShipperID " & _
266             "JOIN [Order Details] od ON " & _
267             " o.OrderID = od.OrderID " & _
268             "JOIN Products p ON " & _
269             " od.ProductID = p.ProductID " & _
270             "WHERE o.OrderID = " & InvoiceNumber
271         Dim DataReader As SqlDataReader = Command.ExecuteReader()
272
273         Return DataReader
274     End Function
275
276 End Class
277
278 #End Region
279
280 #Region " Web Form Designer Generated Code "
281
282     'This call is required by the Web Form Designer.
283     <System.Diagnostics.DebuggerStepThrough(> Private Sub InitializeComponent()
```



```
284
285     End Sub
286
287     Private Sub Page_Init(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Init
288         'CODEGEN: This method call is required by the Web Form Designer
289         'Do not modify it using the code editor.
290         InitializeComponent()
291     End Sub
292
293 #End Region
294     End Class
295 End Namespace
```