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1 <%@ Page Language="vb" Src="MailingLabels.aspx.vb" Inherits="Web_VB.GeneratorExamples.MailingLabels" %>
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```
1 Imports System
2 Imports System.Configuration
3 Imports System.Data
4 Imports System.Data.SqlClient
5 Imports Microsoft.VisualBasic
6
7 Imports ceTe.DynamicPDF
8 Imports ceTe.DynamicPDF.PageElements
9
10 Namespace Web_VB.GeneratorExamples
11     Public Class MailingLabels
12         Inherits System.Web.UI.Page
13
14         '////////////////////////////////////
15         ' Begin Setting Region
16         ' This settings are for Avery Label number 5160. Modify the settings below absed on your label number
17         ' Set page dimensions
18         Shared TopMargin As String = 36
19         Shared BottomMargin As String = 36
20         Shared RightMargin As String = 13.5
21         Shared LeftMargin As String = 13.5
22
23         'Set the number of labels per page
24         Shared MaximumColumns As String = 3
25         Shared MaximumRows As String = 10
26
27         'Set the spacing between the labels
28         Shared HorizontalSpace As String = 9
29         Shared VerticalSpace As String = 0
30
31         'These margins are on the labels themsleves
32         Shared LabelTopBottomMargin As String = 5
33         Shared LabelLeftRightMargin As String = 15
34         ' End Setting Region
35         '////////////////////////////////////
36
37         'Dim the page level variables
38         Dim MyDocument As ceTe.DynamicPDF.Document
39         Dim MyPage As ceTe.DynamicPDF.Page
40
41         Dim CurrentColumn, CurrentRow, LabelWidth, LabelHeight
42         Dim CompanyName As String
```

```
43     Dim ContactName As String
44     Dim Phone As String
45     Dim Fax As String
46     Dim Connection As SqlConnection
47     Dim Command As SqlCommand
48     Dim DataReader As SqlDataReader
49     Dim SQL As String
50
51     Protected WithEvents txtStartDate As System.Web.UI.WebControls.TextBox
52     Protected WithEvents txtEndDate As System.Web.UI.WebControls.TextBox
53     Protected WithEvents btnGo As System.Web.UI.WebControls.Button
54     Protected WithEvents btnSearchMembers As System.Web.UI.WebControls.Button
55
56     Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
57         'Put user code to initialize the page here
58         'Create Document object and set properties
59
60         MyDocument = New ceTe.DynamicPDF.Document
61         MyPage = New ceTe.DynamicPDF.Page(PageSize.Letter, PageOrientation.Portrait)
62
63         MyDocument.Creator = "MailingLabels.aspx"
64         MyDocument.Author = "ceTe Software"
65         MyDocument.Title = "Mailing Labels"
66
67         'Entrypoint for the labels
68         CurrentRow = 1
69         CurrentColumn = 1
70
71         Connection = New SqlConnection(ConfigurationSettings.AppSettings("northWindConnectionString"))
72         Connection.Open()
73
74         SQL = "Select CompanyName, ContactName, Phone, Fax FROM Customers"
75
76         Command = New SqlCommand(SQL, Connection)
77
78         DataReader = Command.ExecuteReader()
79
80         'Loop over the RecordSet and add each label
81
82         While DataReader.Read
83             CompanyName = SafeDBNull(DataReader("CompanyName"))
84             ContactName = SafeDBNull(DataReader("ContactName"))
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```
85         Phone = SafeDBNull(DataReader("Phone"))
86         Fax = SafeDBNull(DataReader("Fax"))
87
88         AddLabel()
89     End While
90
91     If MyPage.Elements.Count > 0 Then
92         MyDocument.Pages.Add(MyPage)
93     End If
94
95     'Outputs the document to the current web page
96     MyDocument.DrawToWeb("MailingLabels.pdf")
97     Response.End()
98
99     End Sub
100
101     Function FindLabelHeight()
102
103         FindLabelHeight = (MyPage.Dimensions.Height - (MyPage.Dimensions.TopMargin + MyPage.Dimensions.BottomMargin) -
104 ((MaximumRows - 1) * VerticalSpace)) / MaximumRows
105
106     End Function
107
108     Function FindLabelWidth()
109
110         FindLabelWidth = (MyPage.Dimensions.Width - (MyPage.Dimensions.RightMargin + MyPage.Dimensions.LeftMargin) -
111 ((MaximumColumns - 1) * HorizontalSpace)) / MaximumColumns
112
113     End Function
114
115     Sub AddLabel()
116
117         'Add a new page if you are beyond the maximum Rows
118         If CurrentRow = MaximumRows + 1 Then
119
120             MyDocument.Pages.Add(MyPage)
121
122             CurrentRow = 1
123         End If
124
125         'Determines if the the label belongs in the first row or first column of the page
126         If CurrentColumn > 1 And CurrentRow > 1 Then
```

```
125         AddToPage()
126     ElseIf CurrentColumn > 1 And CurrentRow = 1 Then
127         AddToFirstRow()
128     ElseIf CurrentColumn = 1 And CurrentRow > 1 Then
129         AddToFirstColumn()
130     Else
131         MyPage = New ceTe.DynamicPDF.Page(PageSize.Letter, PageOrientation.Portrait)
132
133         MyPage.Dimensions.TopMargin = TopMargin
134         MyPage.Dimensions.BottomMargin = BottomMargin
135         MyPage.Dimensions.RightMargin = RightMargin
136         MyPage.Dimensions.LeftMargin = LeftMargin
137
138         'Calculates how big the Width and height of each label should be according to the margins and dimensions
provided above
139         LabelWidth = FindLabelWidth()
140         LabelHeight = FindLabelHeight()
141
142         AddToFirstRowColumn()
143     End If
144
145     'Increment your row if you are beyond the maximum columns
146     If CurrentColumn = MaximumColumns + 1 Then
147         CurrentRow = CurrentRow + 1
148         CurrentColumn = 1
149     End If
150 End Sub
151
152 'Adds the label on at least row 2 column 2 of the page
153 Sub AddToPage()
154     Dim X, Y
155     Y = (CurrentRow - 1) * (LabelHeight + VerticalSpace)
156     X = (CurrentColumn - 1) * (LabelWidth + HorizontalSpace)
157     AddLabelInfo(X, Y)
158     CurrentColumn = CurrentColumn + 1
159 End Sub
160
161 'Adds the label on the first row of labels
162 Sub AddToFirstRow()
163     Dim X, Y
164     Y = 0
165     X = (CurrentColumn - 1) * (LabelWidth + HorizontalSpace)
```

```
166         AddLabelInfo(X, Y)
167         CurrentColumn = CurrentColumn + 1
168     End Sub
169
170     'Adds the label to the First column of labels
171     Sub AddToFirstColumn()
172         Dim X, Y
173         Y = (CurrentRow - 1) * (LabelHeight + VerticalSpace)
174         X = 0
175         AddLabelInfo(X, Y)
176         CurrentColumn = CurrentColumn + 1
177     End Sub
178
179     'Adds only the first label of every page (row 1 column 1)
180     Sub AddToFirstRowColumn()
181         Dim X, Y
182         Y = 0
183         X = 0
184         AddLabelInfo(X, Y)
185         CurrentColumn = CurrentColumn + 1
186     End Sub
187
188     'This is where you format the look of each label
189     Sub AddLabelInfo(ByVal X, ByVal Y)
190
191         Dim Txt1 As TextArea = New TextArea(CompanyName, X + LabelLeftRightMargin, Y + LabelTopBottomMargin, LabelWidth -
192 (LabelLeftRightMargin * 2), 11, Font.TimesRoman, 11)
193         Dim Txt2 As TextArea = New TextArea(ContactName, X + LabelLeftRightMargin, Y + LabelTopBottomMargin + 12, LabelWidth
194 - (LabelLeftRightMargin * 2), 11, Font.TimesRoman, 11)
195         Dim Txt3 As TextArea = New TextArea(Phone, X + LabelLeftRightMargin, Y + LabelTopBottomMargin + 24, LabelWidth -
196 (LabelLeftRightMargin * 2), 11, Font.TimesRoman, 11)
197         Dim Txt4 As TextArea = New TextArea(Fax, X + LabelLeftRightMargin, Y + LabelTopBottomMargin + 36, LabelWidth -
198 (LabelLeftRightMargin * 2), 11, Font.TimesRoman, 11)
199
200         MyPage.Elements.Add(Txt1)
201         MyPage.Elements.Add(Txt2)
202         MyPage.Elements.Add(Txt3)
203         MyPage.Elements.Add(Txt4)
204
205     End Sub
206
207     Function SafeDBNull(ByVal Value As Object) As String
```

MailingLabels.aspx.vb

```
204         If IsDBNull(Value) Then
205             Return String.Empty
206         Else
207             Return CType(Value, String)
208         End If
209     End Function
210
211 End Class
212 End Namespace
```