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1 <%@ Page Language="vb" Src="SimpleReport.aspx.vb" Inherits="Web_VB.GeneratorExamples.SimpleReport" %>
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1 Imports System
2 Imports System.Data
3 Imports System.Data.SqlClient
4
5 Imports ceTe.DynamicPDF
6 Imports ceTe.DynamicPDF.PageElements
7
8 Namespace Web_VB.GeneratorExamples
9     Public Class SimpleReport
10         Inherits System.Web.UI.Page
11
12         'Groups for header elements
13         Private MyTemplate As Template = New Template
14
15         'Page Dimensions of MyPages
16         Private Shared MyPageDimensions As PageDimensions = New PageDimensions(PageSize.Letter, PageOrientation.Portrait, 54.0F)
17         'Current MyPage that elements are being added to
18         Private CurrentPage As ceTe.DynamicPDF.Page = Nothing
19         'Top Y coordinate for the body of the report
20         Private BodyTop As Single = 38
21         'Bottom Y coordinate for the body of the report
22         Private BodyBottom As Single = MyPageDimensions.Body.Bottom - MyPageDimensions.Body.Top
23         'Current Y coordinate where elements are being added
24         Private CurrentY As Single = 0
25         'Used to control the alternating background
26         Private AlternateBG As Boolean = False
27
28         'Connection string to the Northwind database
29         Private Shared DBConnString As String = _
30             System.Configuration.ConfigurationSettings.AppSettings("NorthWindConnectionString")
31
32         Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
33             'Create a MyDocument and set it's properties
34             Dim MyDocument As Document = New Document
35             MyDocument.Creator = "SimpleReport.aspx"
36             MyDocument.Author = "ceTe Software"
37             MyDocument.Title = "Simple Report"
38
39             'Adds elements to the header template
40             SetTemplate()
41             MyDocument.Template = MyTemplate
42
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43     'Establishes connection to the database
44     Dim Connection As SqlConnection = GetOpenDBConn()
45     Dim Data As SqlDataReader = GetContactListData(Connection)
46
47     'Builds the report
48     BuildDocument(MyDocument, Data)
49
50     'Cleans up database connections
51     Data.Close()
52     Connection.Close()
53
54     'Outputs the SimpleReport to the current web MyPage
55     MyDocument.DrawToWeb("SimpleReport.pdf")
56 End Sub
57
58 Private Sub SetTemplate()
59     'Adds elements to the header template
60     MyTemplate.Elements.Add(New Label(DateTime.Now.ToString("dd MMM yyyy, H:mm:ss EST"), 0, 0, 504, 12,
Font.HelveticaBold, 12))
61     MyTemplate.Elements.Add(New Label("Northwind Product List", 0, 0, 504, 12, Font.HelveticaBold, 12,
TextAlign.Center))
62     Dim MyPageNumLabel As PageNumberingLabel = New PageNumberingLabel("Page %%CP%% of %%TP%%", 0, 0, 504, 12,
Font.HelveticaBold, 12, TextAlign.Right)
63     MyTemplate.Elements.Add(MyPageNumLabel)
64     MyTemplate.Elements.Add(New Label("Product", 2, 22, 236, 11, Font.TimesBold, 11))
65     MyTemplate.Elements.Add(New Label("Qty Per Unit", 242, 22, 156, 11, Font.TimesBold, 11))
66     MyTemplate.Elements.Add(New Label("Unit Price", 402, 22, 100, 11, Font.TimesBold, 11, TextAlign.Right))
67     MyTemplate.Elements.Add(New Line(0, 36, 504, 36))
68
69     ' Uncomment the line below to add a layout grid to each MyPage
70     'MyTemplate.Elements.Add(New LayoutGrid())
71 End Sub
72
73 Private Sub BuildDocument(ByVal MyDocument As Document, ByVal Data As SqlDataReader)
74     'Builds the PDF MyDocument with data from the DataReader
75     AddNewPage(MyDocument)
76     While Data.Read()
77         'Add current record to the MyDocument
78         AddRecord(MyDocument, Data)
79     End While
80 End Sub
81
```

```
82 Private Sub AddRecord(ByVal MyDocument As Document, ByVal Data As SqlDataReader)
83     'Adds a new MyPage to the MyDocument if needed
84     If CurrentY > BodyBottom Then AddNewPage(MyDocument)
85
86     'Adds alternating background to MyDocument if needed
87     If AlternateBG Then
88         CurrentPage.Elements.Add(New Rectangle(0, CurrentY, 504, 18, Grayscale.Black, New WebColor("E0E0FF"), 0.0F))
89     End If
90
91     'Adds Labels to the MyDocument with data from current record
92     CurrentPage.Elements.Add(New Label(Data.GetString(0), 2, CurrentY + 2, 236, 11, Font.TimesRoman, 11))
93     CurrentPage.Elements.Add(New Label(Data.GetString(1), 242, CurrentY + 2, 156, 11, Font.TimesRoman, 11))
94     CurrentPage.Elements.Add(New Label(Data.GetDecimal(2).ToString("0.00"), 402, CurrentY + 2, 100, 11, Font.TimesRoman,
11, TextAlign.Right))
95
96     'Toggles alternating background
97     AlternateBG = Not AlternateBG
98     'Increments the current Y position on the MyPage
99     CurrentY += 18
100 End Sub
101
102 Private Sub AddNewPage(ByVal MyDocument As Document)
103     'Adds a new MyPage to the MyDocument
104     CurrentPage = New Page(MyPageDimensions)
105
106     CurrentY = BodyTop
107     AlternateBG = False
108
109     MyDocument.Pages.Add(CurrentPage)
110 End Sub
111
112 Private Function GetOpenDBConn() As SqlConnection
113     'Creates and opens a database connection
114     Dim Connection As SqlConnection = New SqlConnection(DBConnString)
115     Connection.Open()
116     Return Connection
117 End Function
118
119 Private Function GetContactListData(ByVal Connection As SqlConnection) As SqlDataReader
120     'Creates a DataReader for the report
121     Dim Command As SqlCommand = Connection.CreateCommand()
122     Command.CommandText = "SELECT ProductName, QuantityPerUnit, UnitPrice FROM Products"
```

## SimpleReport.aspx.vb

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```
123         Dim DataReader As SqlDataReader = Command.ExecuteReader()  
124  
125         Return DataReader  
126     End Function  
127  
128 End Class  
129 End Namespace
```