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1 <%@ Page Language="vb" Src="SimpleXMLReport.aspx.vb" Inherits="Web_VB.GeneratorExamples.SimpleXMLReport" %>
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1 Imports System
2 Imports System.Xml
3
4 Imports ceTe.DynamicPDF
5 Imports ceTe.DynamicPDF.PageElements
6
7 Namespace Web_VB.GeneratorExamples
8     Public Class SimpleXMLReport
9         Inherits System.Web.UI.Page
10
11         'Groups for header elements
12         Private MyTemplate As Template = New Template
13
14         'Page Dimensions of MyPages
15         Private Shared MyPageDimensions As PageDimensions = New PageDimensions(PageSize.Letter, PageOrientation.Portrait, 54.0F)
16         'Current MyPage that elements are being added to
17         Private CurrentPage As ceTe.DynamicPDF.Page = Nothing
18         'Top Y coordinate for the body of the report
19         Private BodyTop As Single = 38
20         'Bottom Y coordinate for the body of the report
21         Private BodyBottom As Single = MyPageDimensions.Body.Bottom - MyPageDimensions.Body.Top
22         'Current Y coordinate where elements are being added
23         Private CurrentY As Single = 0
24         'Used to control the alternating background
25         Private AlternateBG As Boolean = False
26
27         Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
28             'Create a MyDocument and set it's properties
29             Dim MyDocument As Document = New Document
30             MyDocument.Creator = "SimpleXMLReport.aspx"
31             MyDocument.Author = "ceTe Software"
32             MyDocument.Title = "Simple XML Report"
33
34             Dim Reader As XmlTextReader = New XmlTextReader(MapPath("../Data/ProductList.xml"))
35
36             'Adds elements to the header groups
37             SetTemplate()
38
39             ' Add the template to the MyDocument
40             MyDocument.Template = MyTemplate
41
42             'Builds the report
```

```
43         BuildDocument(MyDocument, Reader)
44
45         'Outputs the SimpleReport to the current web MyPage
46         MyDocument.DrawToWeb("SimpleXMLReport.pdf")
47     End Sub
48
49     Private Sub SetTemplate()
50         ' Adds elements to the header template
51         MyTemplate.Elements.Add(New Label(DateTime.Now.ToString("dd MMM yyyy, H:mm:ss EST"), 0, 0, 504, 12,
Font.HelveticaBold, 12))
52         MyTemplate.Elements.Add(New Label("Northwind Product List", 0, 0, 504, 12, Font.HelveticaBold, 12,
TextAlign.Center))
53         Dim MyPageNumLabel As PageNumberingLabel = New PageNumberingLabel("Page %%CP%% of %%TP%%", 0, 0, 504, 12,
Font.HelveticaBold, 12, TextAlign.Right)
54         MyTemplate.Elements.Add(MyPageNumLabel)
55         MyTemplate.Elements.Add(New Label("Product", 2, 22, 236, 11, Font.TimesBold, 11))
56         MyTemplate.Elements.Add(New Label("Qty Per Unit", 242, 22, 156, 11, Font.TimesBold, 11))
57         MyTemplate.Elements.Add(New Label("Unit Price", 402, 22, 100, 11, Font.TimesBold, 11, TextAlign.Right))
58         MyTemplate.Elements.Add(New Line(0, 36, 504, 36))
59
60         ' Uncomment the line below to add a layout grid to each MyPage
61         'MyTemplate.Elements.Add(New LayoutGrid())
62     End Sub
63
64     Private Sub BuildDocument(ByVal MyDocument As Document, ByVal reader As XmlTextReader)
65         ' Builds the PDF MyDocument with data from the XML Data
66         AddNewPage(MyDocument)
67         While reader.Read()
68             If reader.NodeType = XmlNodeType.Element And reader.Name = "Products" Then
69                 'Add current node to the MyDocument
70                 AddRecord(MyDocument, reader)
71             End If
72         End While
73     End Sub
74
75     Private Sub AddRecord(ByVal MyDocument As Document, ByVal reader As XmlTextReader)
76         ' Adds a new MyPage to the MyDocument if needed
77         If CurrentY > BodyBottom Then AddNewPage(MyDocument)
78
79         ' Adds alternating background to MyDocument if needed
80         If AlternateBG Then
81             CurrentPage.Elements.Add(New Rectangle(0, CurrentY, 504, 18, Grayscale.Black, New WebColor("E0E0FF"), 0.0F))
```

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82         End If
83
84         ' Adds Labels to the MyDocument with data from the current node
85         CurrentPage.Elements.Add(New Label(reader.GetAttribute("ProductName"), 2, CurrentY + 2, 236, 11, Font.TimesRoman,
11))
86         CurrentPage.Elements.Add(New Label(reader.GetAttribute("QuantityPerUnit"), 242, CurrentY + 2, 156, 11,
Font.TimesRoman, 11))
87         CurrentPage.Elements.Add(New Label(reader.GetAttribute("UnitPrice"), 402, CurrentY + 2, 100, 11, Font.TimesRoman,
11, TextAlign.Right))
88
89         'Toggles alternating background
90         AlternateBG = Not AlternateBG
91         'Increments the current Y position on the MyPage
92         CurrentY += 18
93     End Sub
94
95     Private Sub AddNewPage(ByVal MyDocument As Document)
96         'Adds a new MyPage to the MyDocument
97         CurrentPage = New Page(MyPageDimensions)
98
99         'Uncomment the line below to add a layout grid to the each MyPage
100        'currentPage.Elements.Add(New LayoutGrid())
101
102        CurrentY = BodyTop
103        AlternateBG = False
104
105        MyDocument.Pages.Add(CurrentPage)
106    End Sub
107
108 End Class
109 End Namespace
```