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1 <%@ Page Language="vb" Src="SimpleDataGridReport.aspx.vb" Inherits="Web_VB.GeneratorExamples.SimpleDataGridReport" %>
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1 Imports System
2 Imports System.Data
3 Imports System.Data.SqlClient
4 Imports ceTe.DynamicPDF
5 Imports ceTe.DynamicPDF.PageElements
6
7 Namespace Web_VB.GeneratorExamples
8     Public Class SimpleDataGridReport
9         Inherits System.Web.UI.Page
10
11         ' Template for document elements
12         Private Template As template = New template
13
14         ' Page Dimensions of pages
15         Private Shared PageDimensions As pageDimensions = New pageDimensions(PageSize.Letter, PageOrientation.Portrait, 54.0F)
16         ' Current page 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 = 38.0F
20         ' Bottom Y coordinate for the body of the report
21         Private BodyBottom As Single = PageDimensions.Body.Bottom - PageDimensions.Body.Top
22         ' Current Y coordinate where elements are being added
23         Private CurrentY As Single = 0.0F
24
25         ' Used to control the alternating background
26         Private AlternateBG As Boolean = False
27
28         Shared DBConnString As String = System.Configuration.ConfigurationSettings.AppSettings("NorthWindConnectionString")
29
30         Private DataGrid1 As System.Web.UI.WebControls.DataGrid = New System.Web.UI.WebControls.DataGrid
31
32         Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
33             ' Create a document and set it's properties
34             Dim MyDocument As Document = New Document
35             MyDocument.Creator = "SimpleDataGridReport.aspx"
36             MyDocument.Author = "ceTe Software"
37             MyDocument.Title = "Simple Data Grid Report"
38
39             ' Adds elements to the header template
40             SetTemplate()
41             MyDocument.Template = Template
42
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43     ' Establishes connection to the database
44     Dim Connection As SqlConnection = GetOpenDBConn()
45     Dim SqlDataAdapter As SqlDataAdapter = New SqlDataAdapter("SELECT ProductName, QuantityPerUnit, UnitPrice FROM
Products", Connection)
46     Dim DataSet As System.Data.DataSet = New System.Data.DataSet
47
48     ' Populate the DataSet with the results from the query
49     SqlDataAdapter.Fill(DataSet, "Products")
50
51     ' Binding DataGrid with DataSet
52     DataGrid1.DataSource = DataSet
53     AddNewPage(MyDocument)
54
55     Dim i As Integer = 0
56     For i = 1 To DataSet.Tables("Products").Rows.Count
57         AddRecord(MyDocument, DataSet.Tables("Products").Rows(DataGrid1.SelectedIndex + i))
58     Next
59
60     ' Cleans up database connections
61     Connection.Close()
62
63     ' Outputs the SimpleReport to the current web page
64     MyDocument.DrawToWeb("SimpleDataGridReport.pdf")
65 End Sub
66
67 Private Sub SetTemplate()
68     ' Adds elements to the header template
69     Template.Elements.Add(New Label(DateTime.Now.ToString("dd MMM yyyy, H:mm:ss EST"), 0, 0, 504, 12,
Font.HelveticaBold, 12))
70     Template.Elements.Add(New Label("Northwind Product List", 0, 0, 504, 12, Font.HelveticaBold, 12, TextAlign.Center))
71     Dim PageNumLabel As PageNumberingLabel = New PageNumberingLabel("Page %%CP%% of %%TP%%", 0, 0, 504, 12,
Font.HelveticaBold, 12, TextAlign.Right)
72     Template.Elements.Add(PageNumLabel)
73     Template.Elements.Add(New Label("Product", 2, 23, 236, 11, Font.TimesBold, 11))
74     Template.Elements.Add(New Label("Qty Per Unit", 242, 23, 156, 11, Font.TimesBold, 11))
75     Template.Elements.Add(New Label("Unit Price", 402, 23, 100, 11, Font.TimesBold, 11, TextAlign.Right))
76     Template.Elements.Add(New Line(0, 36, 504, 36))
77
78     ' Uncomment the line below to add a layout grid to each page
79     'template.Elements.Add( new LayoutGrid() )
80 End Sub
81
```

```
82 Private Sub AddRecord(ByVal MyDocument As Document, ByVal MyRow As DataRow)
83
84     ' Adds a new page to the document if needed
85     If CurrentY > BodyBottom Then AddNewPage(MyDocument)
86
87     ' Adds alternating background to document if needed
88     If (AlternateBG) Then
89
90         CurrentPage.Elements.Add(New Rectangle(0, CurrentY, 504, 18, RgbColor.Black, New WebColor("E0E0FF"), 0.0F))
91     End If
92
93     ' Adds Labels to the document with data from current record
94     CurrentPage.Elements.Add(New Label(MyRow("ProductName").ToString(), 2, CurrentY + 3, 236, 11, Font.TimesRoman, 11))
95     CurrentPage.Elements.Add(New Label(MyRow("QuantityPerUnit").ToString(), 242, CurrentY + 3, 156, 11, Font.TimesRoman,
96 11))
97     CurrentPage.Elements.Add(New Label(MyRow("UnitPrice").ToString(), 402, CurrentY + 3, 100, 11, Font.TimesRoman, 11,
98 TextAlign.Right))
99
100     ' Toggles alternating background
101     AlternateBG = Not AlternateBG
102
103     ' Increments the current Y position on the page
104     CurrentY += 18
105 End Sub
106
107 Private Sub AddNewPage(ByVal MyDocument As Document)
108     ' Adds a new page to the document
109     CurrentPage = New Page(PageDimensions)
110     CurrentY = BodyTop
111     AlternateBG = False
112     MyDocument.Pages.Add(CurrentPage)
113 End Sub
114
115 Private Function GetOpenDBConn() As SqlConnection
116     ' Creates and opens a database connection
117     Dim Connection As SqlConnection = New SqlConnection(DBConnString)
118     Connection.Open()
119     Return Connection
120 End Function
121
122 End Class
123 End Namespace
```

