SimpleReport.aspx

```
1 <%@ Page Language="vb" Src="SimpleReport.aspx.vb" Inherits="Web_VB.GeneratorExamples.SimpleReport" %>
```

SimpleReport.aspx.vb

```
Imports System
Imports System.Data
Imports System.Data.SqlClient

Imports ceTe.DynamicPDF
Imports ceTe.DynamicPDF.PageElements

Namespace Web_VB.GeneratorExamples
    Public Class SimpleReport
        Inherits System.Web.UI.Page

        'Groups for header elements
        Private MyTemplate As Template = New Template

        'Page Dimensions of MyPages
        Private Shared MyPageDimensions As PageDimensions = New PageDimensions(PageSize.Letter, PageOrientation.Portrait, 54.0F)
        'Current MyPage that elements are being added to
        Private CurrentPage As ceTe.DynamicPDF.Page = Nothing
        'Top Y coordinate for the body of the report
        Private BodyTop As Single = 38
        'Bottom Y coordinate for the body of the report
        Private BodyBottom As Single = MyPageDimensions.Body.Bottom - MyPageDimensions.Body.Top
        'Current Y coordinate where elements are being added
        Private CurrentY As Single = 0
        'Used to control the alternating background
        Private AlternateBG As Boolean = False

        'Connection string to the Northwind database
        Private Shared DBConnString As String = _
            System.Configuration.ConfigurationSettings.AppSettings("NorthWindConnectionString")

        Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
            'Create a MyDocument and set it's properties
            Dim MyDocument As Document = New Document
            MyDocument.Creator = "SimpleReport.aspx"
            MyDocument.Author = "ceTe Software"
            MyDocument.Title = "Simple Report"

            'Adds elements to the header template
            SetTemplate()
            MyDocument.Template = MyTemplate

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43              'Establises 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 tamplate
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
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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"
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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
```