SimpleDataGridReport.aspx

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

```
Imports System
Imports System.Data
Imports System.Data.SqlClient
Imports ceTe.DynamicPDF
Imports ceTe.DynamicPDF.PageElements

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

        ' Template for document elements
        Private Template As template = New template

        ' Page Dimensions of pages
        Private Shared PageDimensions As pageDimensions = New pageDimensions(PageSize.Letter, PageOrientation.Portrait, 54.0F)
        ' Current page 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 = 38.0F
        ' Bottom Y coordinate for the body of the report
        Private BodyBottom As Single = PageDimensions.Body.Bottom - PageDimensions.Body.Top
        ' Current Y coordinate where elements are being added
        Private CurrentY As Single = 0.0F

        ' Used to control the alternating background
        Private AlternateBG As Boolean = False

        Shared DBConnString As String = System.Configuration.ConfigurationSettings.AppSettings("NorthWindConnectionString")

        Private DataGrid1 As System.Web.UI.WebControls.DataGrid = New System.Web.UI.WebControls.DataGrid

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

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

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43              ' Establises 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
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        Private Sub AddRecord(ByVal MyDocument As Document, ByVal MyRow As DataRow)

            ' Adds a new page to the document if needed
            If CurrentY > BodyBottom Then AddNewPage(MyDocument)

            ' Adds alternating background to document if needed
            If (AlternateBG) Then

                CurrentPage.Elements.Add(New Rectangle(0, CurrentY, 504, 18, RgbColor.Black, New WebColor("E0E0FF"), 0.0F))
            End If

            ' Adds Labels to the document with data from current record
            CurrentPage.Elements.Add(New Label(MyRow("ProductName").ToString(), 2, CurrentY + 3, 236, 11, Font.TimesRoman, 11))
            CurrentPage.Elements.Add(New Label(MyRow("QuantityPerUnit").ToString(), 242, CurrentY + 3, 156, 11, Font.TimesRoman,
11))
            CurrentPage.Elements.Add(New Label(MyRow("UnitPrice").ToString(), 402, CurrentY + 3, 100, 11, Font.TimesRoman, 11,
TextAlign.Right))

            ' Toggles alternating background
            AlternateBG = Not AlternateBG

            ' Increments the current Y position on the page
            CurrentY += 18
        End Sub

        Private Sub AddNewPage(ByVal MyDocument As Document)
            ' Adds a new page to the document
            CurrentPage = New Page(PageDimensions)
            CurrentY = BodyTop
            AlternateBG = False
            MyDocument.Pages.Add(CurrentPage)
        End Sub

        Private Function GetOpenDBConn() As SqlConnection
            ' Creates and opens a database connection
            Dim Connection As SqlConnection = New SqlConnection(DBConnString)
            Connection.Open()
            Return Connection
        End Function

    End Class
End Namespace
```

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