

SimpleDataGridReport.aspx

```
1 <%@ Page language="c#" Src="SimpleDataGridReport.aspx.cs" Inherits="Web_CSharp.GeneratorExamples.Generator.SimpleDataGridReport"
%>
```

SimpleDataGridReport.aspx.cs

```
1  using System;
2  using System.Data;
3  using System.Data.SqlClient;
4  using ceTe.DynamicPDF;
5  using ceTe.DynamicPDF.PageElements;
6
7  namespace Web_CSharp.GeneratorExamples.Generator
8  {
9      public class SimpleDataGridReport : System.Web.UI.Page
10     {
11         // Template for document elements
12         private Template template = new Template();
13
14         // Page Dimensions of pages
15         private static PageDimensions pageDimensions = new PageDimensions( PageSize.Letter, PageOrientation.Portrait, 54.0f );
16         // Current page that elements are being added to
17         private ceTe.DynamicPDF.Page currentPage = null;
18         // Top Y coordinate for the body of the report
19         private float bodyTop = 38;
20         // Bottom Y coordinate for the body of the report
21         private float bodyBottom = pageDimensions.Body.Bottom - pageDimensions.Body.Top;
22         // Current Y coordinate where elements are being added
23         private float currentY = 0;
24
25         // Used to control the alternating background
26         private bool alternateBG = false;
27
28         // Connection string to the Northwind database
29         static string dBConnString =
30             System.Configuration.ConfigurationSettings.AppSettings["NorthWindConnectionString"];
31         // Initializing the DataGrid
32         System.Web.UI.WebControls.DataGrid DataGrid1 = new System.Web.UI.WebControls.DataGrid();
33
34         private void Page_Load(object sender, System.EventArgs e)
35         {
36             // Create a document and set it's properties
37             Document document = new Document();
38             document.Creator = "SimpleDataGridReport.aspx";
39             document.Author = "ceTe Software";
40             document.Title = "Simple Data Grid Report";
41
42             // Adds elements to the header template
43             SetTemplate();
44             document.Template = template;
45
46             // Establishes connection to the database
47             SqlConnection connection = GetOpenDBConn();
48             SqlDataAdapter sqlDataAdapter = new SqlDataAdapter("SELECT ProductName, QuantityPerUnit, UnitPrice FROM Products",
connection);
49             System.Data.DataSet dataSet = new System.Data.DataSet();
```

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50
51     // Populate the DataSet with the results from the query
52     sqlDataAdapter.Fill(dataSet,"Products");
53
54     // Binding DataGrid with DataSet
55     DataGrid1.DataSource = dataSet;
56     AddNewPage( document );
57
58     // Iterating through each row of the DataGrid.
59     for ( int i=1; i<=dataSet.Tables["Products"].Rows.Count; i++ )
60     {
61         AddRecord( document, dataSet.Tables["Products"].Rows[DataGrid1.SelectedIndex+i] );
62     }
63
64     // Cleans up database connections
65     connection.Close();
66
67     // Outputs the SimpleReport to the current web page
68     document.DrawToWeb( "SimpleDataGridReport.pdf" );
69 }
70
71     private void SetTemplate()
72     {
73         // Adds elements to the header template
74         template.Elements.Add( new Label( DateTime.Now.ToString("dd MMM yyyy, H:mm:ss EST"), 0, 0, 504, 12,
Font.HelveticaBold, 12 ) );
75         template.Elements.Add( new Label( "Northwind Product List", 0, 0, 504, 12, Font.HelveticaBold, 12, TextAlign.Center
) );
76         PageNumberingLabel pageNumLabel = new PageNumberingLabel( "Page %%CP%% of %%TP%%", 0, 0, 504, 12,
Font.HelveticaBold, 12, TextAlign.Right );
77         template.Elements.Add( pageNumLabel );
78         template.Elements.Add( new Label( "Product", 2, 23, 236, 11, Font.TimesBold, 11 ) );
79         template.Elements.Add( new Label( "Qty Per Unit", 242, 23, 156, 11, Font.TimesBold, 11 ) );
80         template.Elements.Add( new Label( "Unit Price", 402, 23, 100, 11, Font.TimesBold, 11, TextAlign.Right ) );
81         template.Elements.Add( new Line( 0, 36, 504, 36 ) );
82
83         // Uncomment the line below to add a layout grid to each page
84         //template.Elements.Add( new LayoutGrid() );
85     }
86
87     private void AddRecord( Document document, DataRow row )
88     {
89         // Adds a new page to the document if needed
90         if( currentY > bodyBottom ) AddNewPage( document );
91
92         // Adds alternating background to document if needed
93         if( alternateBG )
94         {
95             currentPage.Elements.Add( new Rectangle( 0, currentY, 504, 18, RgbColor.Black, new WebColor( "E0E0FF" ), 0.0F
) );
96         }
97     }
98 }
```

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```
96     }
97
98     // Adds Labels to the document with data from current record
99     currentPage.Elements.Add( new Label( row["ProductName"].ToString(), 2, currentY + 3, 236, 11, Font.TimesRoman, 11 )
);
100    currentPage.Elements.Add( new Label( row["QuantityPerUnit"].ToString(), 242, currentY + 3, 156, 11, Font.TimesRoman,
11 ) );
101    currentPage.Elements.Add( new Label( row["UnitPrice"].ToString(), 402, currentY + 3, 100, 11, Font.TimesRoman, 11,
102 TextAlign.Right ) );
103
104    // Toggles alternating background
105    alternateBG = !alternateBG;
106
107    // Increments the current Y position on the page
108    currentY += 18;
109
110    private void AddNewPage( Document document )
111    {
112        // Adds a new page to the document
113        currentPage = new Page( pageDimensions );
114        currentY = bodyTop;
115        alternateBG = false;
116        document.Pages.Add( currentPage );
117    }
118
119    private SqlConnection GetOpenDBConn()
120    {
121        // Creates and opens a database connection
122        SqlConnection connection = new SqlConnection( dBConnString );
123        connection.Open();
124        return connection;
125    }
126}
127}
```