TimeMachine.aspx

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

TimeMachine.aspx.cs

```
using System;
using System.IO;
using ceTe.DynamicPDF;
using ceTe.DynamicPDF.PageElements;
using ceTe.DynamicPDF.PageElements.BarCoding;

namespace Web_CSharp.GeneratorExamples
{
    public class TimeMachine : System.Web.UI.Page
    {
        // Templates for header and footer elements
        private Template footerTemplate = new Template();
        private EvenOddTemplate headerTemplate = new EvenOddTemplate();

        private void Page_Load(object sender, System.EventArgs e)
        {
            // Create a document and set it's properties
            Document document = new Document();
            document.Creator = "TimeMachine.aspx";
            document.Author = "H. G. Wells";
            document.Title = "The Time Machine";
            document.Template = headerTemplate;

            // Adds elements to the header and footer groups
            SetPageHeaderTemplate();
            SetPageFooterTemplate();

            // Sets up outline hierarchy
            Outline titlePageOutline = document.Outlines.Add( "The Time Machine", new XYDestination( 1, 0, 0 ) );
            Outline chapterOutline = titlePageOutline.ChildOutlines.Add( "Chapters" );

            // Builds the report
            BuildDocument( document, titlePageOutline, chapterOutline );

            // Outputs the ContactList to the current web page
            document.DrawToWeb( "TimeMachine.pdf" );
        }

        private void BuildDocument( Document document, Outline titlePage, Outline chapters )
        {
            // Adds Title page to document
            document.Sections.Begin( NumberingStyle.None, "Cover" );
            AddTitlePage( document );
            document.Sections.Begin( NumberingStyle.Numeric, "Page ", footerTemplate );

            // Adds Chapters to the document
            AddChapter( document, MapPath( "../Text/TimeMachine_Chapter1.txt" ), "1", "Chapter 1", chapters );
            AddChapter( document, MapPath( "../Text/TimeMachine_Chapter2.txt" ), "2", "Chapter 2", chapters );
            AddChapter( document, MapPath( "../Text/TimeMachine_Chapter3.txt" ), "3", "Chapter 3", chapters );
            AddChapter( document, MapPath( "../Text/TimeMachine_Chapter4.txt" ), "4", "Chapter 4", chapters );
```

```
51              AddChapter( document, MapPath( "../Text/TimeMachine_Chapter5.txt" ), "5", "Chapter 5", chapters );
52              AddChapter( document, MapPath( "../Text/TimeMachine_Chapter6.txt" ), "6", "Chapter 6", chapters );
53              AddChapter( document, MapPath( "../Text/TimeMachine_Chapter7.txt" ), "7", "Chapter 7", chapters );
54              AddChapter( document, MapPath( "../Text/TimeMachine_Chapter8.txt" ), "8", "Chapter 8", chapters );
55              AddChapter( document, MapPath( "../Text/TimeMachine_Chapter9.txt" ), "9", "Chapter 9", chapters );
56              AddChapter( document, MapPath( "../Text/TimeMachine_Chapter10.txt" ), "10", "Chapter 10", chapters );
57              AddChapter( document, MapPath( "../Text/TimeMachine_Chapter11.txt" ), "11", "Chapter 11", chapters );
58              AddChapter( document, MapPath( "../Text/TimeMachine_Chapter12.txt" ), "12", "Chapter 12", chapters );
59
60              // Add the Epilogue to the document
61              AddChapter( document, MapPath( "../Text/TimeMachine_Epilogue.txt" ), "Epilogue", "Epilogue", titlePage );
62          }
63
64          private void SetPageHeaderTemplate()
65          {
66              // Uncomment the line below to add a layout grid to the title header page
67              //headerTemplate.Elements.Add( new LayoutGrid() );
68
69              // Adds elements to the header template
70              headerTemplate.OddElements.Add( new Label( "The Time Machine", -18, -18, 324, 11, Font.TimesRoman, 11,
    TextAlign.Left ) );
71              headerTemplate.OddElements.Add( new Label( "H. G. Wells", 18, -18, 324, 11, Font.TimesRoman, 11, TextAlign.Right )
    );
72              headerTemplate.EvenElements.Add( new Label( "H. G. Wells", -18, -18, 324, 11, Font.TimesRoman, 11, TextAlign.Left )
    );
73              headerTemplate.EvenElements.Add( new Label( "The Time Machine", 18, -18, 324, 11, Font.TimesRoman, 11,
    TextAlign.Right ) );
74          }
75
76          private void SetPageFooterTemplate()
77          {
78              // Adds elements to the footer template
79              PageNumberingLabel pageNumberLabel = new PageNumberingLabel( "- %%CP%% -", 0, 478, 324, 11, Font.TimesRoman, 11,
    TextAlign.Center );
80              pageNumberLabel.PageOffset = -1;
81              footerTemplate.Elements.Add( pageNumberLabel );
82          }
83
84          private void AddTitlePage( Document document )
85          {
86              //Adds a title page to the document
87              ceTe.DynamicPDF.Page page = new ceTe.DynamicPDF.Page( 396, 540, 36 );
88
89              // Uncomment the line below to add a layout grid to the title page
90              //page.Elements.Add( new LayoutGrid() );
91
92              string disclaimer = "This document is in the public domain. Permission to use, copy, modify, and distribute this
    document for any purpose and without fee is hereby granted, without any conditions or restrictions. The barcode below is for
    demonstration purposes only.";
```

```
93              string generated = "Generated by\nDynamicPDF Generator for .NET\non " + DateTime.Now.ToLongDateString() + ",\nat " +
94              page.Elements.Add( new Label( "The Time Machine", 36, 36, 252, 30, Font.TimesBold, 30, TextAlign.Center ) );
95              page.Elements.Add( new Label( "by H. G. Wells", 36, 96, 252, 22, Font.TimesBold, 22, TextAlign.Center ) );
96              page.Elements.Add( new Label( "1895", 36, 148, 252, 22, Font.TimesBold, 22, TextAlign.Center ) );
97              page.Elements.Add( new Image( MapPath( "../Images/DPDFLogo.png" ), 62, 208, 0.21f ) );
98              page.Elements.Add( new Label( generated, 132, 206, 182, 55, Font.TimesRoman, 11 ) );
99              page.Elements.Add( new Label( disclaimer, 36, 274, 252, 66, Font.TimesRoman, 11, TextAlign.Justify ) );
100             page.Elements.Add( new Ean13Sup5( "201234567890", "90000", 82, 360 ) );
101             page.ApplyDocumentTemplate = false;
102             document.Pages.Add( page );
103         }
104
105         private void AddChapter( Document document, string filePath, string title, string bookmarkText, Outline parentOutline )
106         {
107             // Retrieves the text from the sections file
108             string sectionText = GetTextFromFile( filePath );
109
110             // Adds the first page of the section
111             ceTe.DynamicPDF.Page page = AddSectionHeaderPage( title, bookmarkText, parentOutline );
112             page.ApplyDocumentTemplate = false;
113
114             // Creates a TextArea for the sections text
115             TextArea textArea = new TextArea( sectionText, 0, 146, 324, 322, Font.TimesRoman, 11 );
116             textArea.Leading = 14;
117             textArea.ParagraphSpacing = 20;
118             page.Elements.Add( textArea );
119             document.Pages.Add( page );
120
121             // Creates a TextArea for the overflow text
122             textArea = textArea.GetOverflowTextArea( 0, 0, 324, 468 );
123
124             // Loops until no overflow text is found.
125             while( textArea != null )
126             {
127                 // Adds a new page to the document
128                 page = new ceTe.DynamicPDF.Page( 396, 540, 36 );
129                 page.Elements.Add( textArea );
130
131                 // Adds new page to the document
132                 document.Pages.Add( page );
133
134                 // Creates a TextArea for the overflow text
135                 textArea = textArea.GetOverflowTextArea();
136             }
137         }
138
139         private ceTe.DynamicPDF.Page AddSectionHeaderPage( string title, string bookmarkText, Outline parentOutline )
140         {
141             // Adds the first page of a section to the document
```

```
142             ceTe.DynamicPDF.Page page = new ceTe.DynamicPDF.Page( 396, 540, 36 );
143
144             // Uncomment the line below to add a layout grid to the section header pages
145             //page.Elements.Add( new LayoutGrid() );
146
147             page.Elements.Add( new Bookmark( bookmarkText, 0, 0, parentOutline ) );
148             page.Elements.Add( new Label( "The Time Machine", 0, 36, 324, 30, Font.TimesBold, 30, TextAlign.Center ) );
149             page.Elements.Add( new Label( title, 0, 96, 324, 22, Font.TimesBold, 22, TextAlign.Center ) );
150             page.Elements.Add( new Line( 120, 128, 204, 128 ) );
151             PageNumberingLabel pageNumberLabel = new PageNumberingLabel( "- %%CP%% -", 0, 478, 324, 11, Font.TimesRoman, 11,
TextAlign.Center );
152             pageNumberLabel.PageOffset = -1;
153             page.Elements.Add( pageNumberLabel );
154             return page;
155         }
156
157         private string GetTextFromFile( string filePath )
158         {
159             // Opens a text file and returns the text from it.
160             StreamReader textFile = File.OpenText( filePath );
161             string sectionText = textFile.ReadToEnd();
162             textFile.Close();
163             return sectionText;
164         }
165     }
166 }
```