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1 <%@ Page language="c#" Src="TimeMachineTaggedPdf.aspx.cs" Inherits="Web_CSharp.GeneratorExamples.TimeMachineTaggedPdf" %>
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```
1 using System;
2 using System.IO;
3 using ceTe.DynamicPDF;
4 using ceTe.DynamicPDF.PageElements;
5 using ceTe.DynamicPDF.PageElements.BarCoding;
6
7 namespace Web_CSharp.GeneratorExamples
8 {
9     public class TimeMachineTaggedPdf : System.Web.UI.Page
10    {
11        // Templates for header and footer elements
12        private Template footerTemplate = new Template();
13        private EvenOddTemplate headerTemplate = new EvenOddTemplate();
14
15        private void Page_Load(object sender, System.EventArgs e)
16        {
17            // Create a document and set it's properties
18            Document document = new Document();
19            document.Creator = "TimeMachineTaggedPdf.aspx";
20            document.Author = "H. G. Wells";
21            document.Title = "The Time Machine";
22            document.Template = headerTemplate;
23
24            // Specify document as tagged PDF
25            document.Tag = new TagOptions();
26
27            // Adds elements to the header and footer groups
28            SetPageHeaderTemplate();
29            SetPageFooterTemplate();
30
31            // Sets up outline hierarchy
32            Outline titlePageOutline = document.Outlines.Add( "The Time Machine", new XYDestination( 1, 0, 0 ) );
33            Outline chapterOutline = titlePageOutline.ChildOutlines.Add( "Chapters" );
34
35            // Builds the report
36            BuildDocument( document, titlePageOutline, chapterOutline );
37
38            // Outputs the ContactList to the current web page
39            document.DrawToWeb( "TimeMachineTaggedPdf.pdf" );
40        }
41
42        private void BuildDocument( Document document, Outline titlePage, Outline chapters )
43        {
44            // Adds Title page to document
45            document.Sections.Begin( NumberingStyle.None, "Cover" );
46            AddTitlePage( document );
47            document.Sections.Begin( NumberingStyle.Numeric, "Page ", footerTemplate );
48
49            // Adds Chapters to the document
50            AddChapter( document, MapPath( "../Text/TimeMachine_Chapter1.txt" ), "1", "Chapter 1", chapters );
```

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51     AddChapter(document, MapPath("../Text/TimeMachine_Chapter2.txt"), "2", "Chapter 2", chapters);
52     AddChapter(document, MapPath("../Text/TimeMachine_Chapter3.txt"), "3", "Chapter 3", chapters);
53     AddChapter(document, MapPath("../Text/TimeMachine_Chapter4.txt"), "4", "Chapter 4", chapters);
54     AddChapter(document, MapPath("../Text/TimeMachine_Chapter5.txt"), "5", "Chapter 5", chapters);
55     AddChapter(document, MapPath("../Text/TimeMachine_Chapter6.txt"), "6", "Chapter 6", chapters);
56     AddChapter(document, MapPath("../Text/TimeMachine_Chapter7.txt"), "7", "Chapter 7", chapters);
57     AddChapter(document, MapPath("../Text/TimeMachine_Chapter8.txt"), "8", "Chapter 8", chapters);
58     AddChapter(document, MapPath("../Text/TimeMachine_Chapter9.txt"), "9", "Chapter 9", chapters);
59     AddChapter(document, MapPath("../Text/TimeMachine_Chapter10.txt"), "10", "Chapter 10", chapters);
60     AddChapter(document, MapPath("../Text/TimeMachine_Chapter11.txt"), "11", "Chapter 11", chapters);
61     AddChapter(document, MapPath("../Text/TimeMachine_Chapter12.txt"), "12", "Chapter 12", chapters);
62
63     // Add the Epilogue to the document
64     AddChapter( document, MapPath( "../Text/TimeMachine_Epilogue.txt" ), "Epilogue", "Epilogue", titlePage );
65 }
66
67 private void SetPageHeaderTemplate()
68 {
69     // Uncomment the line below to add a layout grid to the title header page
70     //headerTemplate.Elements.Add( new LayoutGrid() );
71
72     // Adds elements to the header template
73     headerTemplate.OddElements.Add( new Label( "The Time Machine", -18, -18, 324, 11, Font.TimesRoman, 11,
TextAlign.Left ) );
74     headerTemplate.OddElements.Add( new Label( "H. G. Wells", 18, -18, 324, 11, Font.TimesRoman, 11, TextAlign.Right )
);
75     headerTemplate.EvenElements.Add( new Label( "H. G. Wells", -18, -18, 324, 11, Font.TimesRoman, 11, TextAlign.Left )
);
76     headerTemplate.EvenElements.Add( new Label( "The Time Machine", 18, -18, 324, 11, Font.TimesRoman, 11,
TextAlign.Right ) );
77 }
78
79 private void SetPageFooterTemplate()
80 {
81     // Adds elements to the footer template
82     PageNumberingLabel pageNumberLabel = new PageNumberingLabel( "- %%CP%% -", 0, 478, 324, 11, Font.TimesRoman, 11,
TextAlign.Center );
83     pageNumberLabel.PageOffset = -1;
84     footerTemplate.Elements.Add( pageNumberLabel );
85 }
86
87 private void AddTitlePage( Document document )
88 {
89     //Adds a title page to the document
90     ceTe.DynamicPDF.Page page = new ceTe.DynamicPDF.Page( 396, 540, 36 );
91
92     // Uncomment the line below to add a layout grid to the title page
93     //page.Elements.Add( new LayoutGrid() );
94 }
```

```
95         string disclaimer = "This document is in the public domain. Permission to use, copy, modify, and distribute this

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

```
142     private ceTe.DynamicPDF.Page AddSectionHeaderPage( string title, string bookmarkText, Outline parentOutline )
143     {
144         // Adds the first page of a section to the document
145         ceTe.DynamicPDF.Page page = new ceTe.DynamicPDF.Page( 396, 540, 36 );
146
147         // Uncomment the line below to add a layout grid to the section header pages
148         //page.Elements.Add( new LayoutGrid() );
149
150         page.Elements.Add( new Bookmark( bookmarkText, 0, 0, parentOutline ) );
151         page.Elements.Add( new Label( "The Time Machine", 0, 36, 324, 30, Font.TimesBold, 30, TextAlign.Center ) );
152         page.Elements.Add( new Label( title, 0, 96, 324, 22, Font.TimesBold, 22, TextAlign.Center ) );
153         page.Elements.Add(new Line(120, 128, 204, 128));
154
155         PageNumberingLabel pageNumberLabel = new PageNumberingLabel( "- %%CP%% -", 0, 478, 324, 11, Font.TimesRoman, 11,
TextAlign.Center );
156         pageNumberLabel.PageOffset = -1;
157         page.Elements.Add(pageNumberLabel);
158         return page;
159     }
160
161     private string GetTextFromFile( string filePath )
162     {
163         // Opens a text file and returns the text from it.
164         StreamReader textFile = File.OpenText( filePath );
165         string sectionText = textFile.ReadToEnd();
166         textFile.Close();
167         return sectionText;
168     }
169 }
170 }
```