

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

```
1 Imports System
2 Imports System.IO
3 Imports Microsoft.VisualBasic
4
5 Imports ceTe.DynamicPDF
6 Imports ceTe.DynamicPDF.PageElements
7 Imports ceTe.DynamicPDF.PageElements.BarCoding
8
9 Namespace Web_VB.GeneratorExamples
10     Public Class TimeMachineTaggedPdf
11         Inherits System.Web.UI.Page
12
13     #Region " Page_Load Method "
14
15         Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
16             'Set local ceTe.DyanmicPDF.Document object
17             Dim MyDocument As Document = New Document
18             MyDocument.Creator = "TimeMachineTaggedPdf.aspx"
19             MyDocument.Author = "H. G. Wells"
20             MyDocument.Title = "The Time Machine"
21             MyDocument.Template = CreateHeaderFooterTemplate()
22
23             ' Specify document as tagged PDF
24             MyDocument.Tag = New TagOptions()
25
26             ' Sets up outline hierarchy
27             Dim titlePageOutline As Outline = MyDocument.Outlines.Add("The Time Machine", New XYDestination(1, 0, 0))
28             Dim chapterOutline As Outline = titlePageOutline.ChildOutlines.Add("Chapters")
29
30             ' Builds the book
31             BuildDocument(MyDocument, titlePageOutline, chapterOutline)
32
33             'Outputs the ContactList to the current web MyPage
34             MyDocument.DrawToWeb("TimeMachineTaggedPdf.pdf")
35         End Sub
36
37     #End Region
38
39     #Region " Private Methods "
40
41         Private Sub BuildDocument(ByVal document As Document, ByVal titlePage As Outline, ByVal chapters As Outline)
42             ' Adds Title page to document
```

```
43 document.Sections.Begin(NumberingStyle.None, "Cover")
44 AddTitlePage(document)
45 document.Sections.Begin(NumberingStyle.Numeric, "Page ")
46
47 ' Adds Chapters to the document
48 AddChapter(document, MapPath("../Text/TimeMachine_Chapter1.txt"), "1", "Chapter 1", chapters)
49 AddChapter(document, MapPath("../Text/TimeMachine_Chapter2.txt"), "2", "Chapter 2", chapters)
50 AddChapter(document, MapPath("../Text/TimeMachine_Chapter3.txt"), "3", "Chapter 3", chapters)
51 AddChapter(document, MapPath("../Text/TimeMachine_Chapter4.txt"), "4", "Chapter 4", chapters)
52 AddChapter(document, MapPath("../Text/TimeMachine_Chapter5.txt"), "5", "Chapter 5", chapters)
53 AddChapter(document, MapPath("../Text/TimeMachine_Chapter6.txt"), "6", "Chapter 6", chapters)
54 AddChapter(document, MapPath("../Text/TimeMachine_Chapter7.txt"), "7", "Chapter 7", chapters)
55 AddChapter(document, MapPath("../Text/TimeMachine_Chapter8.txt"), "8", "Chapter 8", chapters)
56 AddChapter(document, MapPath("../Text/TimeMachine_Chapter9.txt"), "9", "Chapter 9", chapters)
57 AddChapter(document, MapPath("../Text/TimeMachine_Chapter10.txt"), "10", "Chapter 10", chapters)
58 AddChapter(document, MapPath("../Text/TimeMachine_Chapter11.txt"), "11", "Chapter 11", chapters)
59 AddChapter(document, MapPath("../Text/TimeMachine_Chapter12.txt"), "12", "Chapter 12", chapters)
60
61 ' Add the Epilogue to the document
62 AddChapter(document, MapPath("../Text/TimeMachine_Epilogue.txt"), "Epilogue", "Epilogue", titlePage)
63 End Sub
64
65 Private Function CreateHeaderFooterTemplate() As Template
66     Dim MyTemplate As New EvenOddTemplate
67
68     ' Uncomment the line below to add a layout grid to the title header page
69     'MyTemplate.Elements.Add( new LayoutGrid() );
70
71     ' Adds elements to the header template
72     MyTemplate.OddElements.Add(New Label("The Time Machine", -18, -18, 324, 11, Font.TimesRoman, 11, TextAlign.Left))
73     MyTemplate.OddElements.Add(New Label("H. G. Wells", 18, -18, 324, 11, Font.TimesRoman, 11, TextAlign.Right))
74     MyTemplate.EvenElements.Add(New Label("H. G. Wells", -18, -18, 324, 11, Font.TimesRoman, 11, TextAlign.Left))
75     MyTemplate.EvenElements.Add(New Label("The Time Machine", 18, -18, 324, 11, Font.TimesRoman, 11, TextAlign.Right))
76     Dim MyPageNumberLabel As PageNumberingLabel = New PageNumberingLabel("- %CP% -", 0, 478, 324, 11, Font.TimesRoman,
77     11, TextAlign.Center)
77     MyPageNumberLabel.PageOffset = -1
78     MyTemplate.Elements.Add(MyPageNumberLabel)
79
80     Return MyTemplate
81 End Function
82
83 Private Sub AddTitlePage(ByVal document As Document)
```

```
84         'Adds a title page to the document
85         Dim page As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(396, 540, 36)
86
87         ' Uncomment the line below to add a layout grid to the title page
88         'page.Elements.Add( new LayoutGrid() );
89
90         Dim Disclaimer As String = "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."
91         Dim Generated As String = "Generated by" & vbCrLf & "DynamicPDF Generator for .NET" & vbCrLf & "on " +
DateTime.Now.ToLongDateString() + ", " & vbCrLf & "at " + DateTime.Now.ToLongTimeString() + " EST"
92         page.Elements.Add(New Label("The Time Machine", 36, 36, 252, 30, Font.TimesBold, 30, TextAlign.Center))
93         page.Elements.Add(New Label("by H. G. Wells", 36, 96, 252, 22, Font.TimesBold, 22, TextAlign.Center))
94         page.Elements.Add(New Label("1895", 36, 148, 252, 22, Font.TimesBold, 22, TextAlign.Center))
95         page.Elements.Add(New Image(MapPath("../Images/DPDFLogo.png"), 62, 208, 0.21F))
96         page.Elements.Add(New Label(Generated, 132, 206, 182, 55, Font.TimesRoman, 11))
97         page.Elements.Add(New Label(Disclaimer, 36, 274, 252, 65, Font.TimesRoman, 11, TextAlign.Justify))
98         page.Elements.Add(New Ean13Sup5("201234567890", "90000", 82, 360))
99         page.ApplyDocumentTemplate = False
100
101         document.Pages.Add(page)
102     End Sub
103
104     Private Sub AddChapter(ByVal document As Document, ByVal filePath As String, ByVal title As String, ByVal bookmarkText
As String, ByVal parentOutline As Outline)
105         ' Retrieves the text from the sections file
106         Dim SectionText As String = GetTextFromFile(filePath)
107
108         ' Adds the first page of the section
109         Dim page As ceTe.DynamicPDF.Page = AddSectionHeaderPage(title, bookmarkText, parentOutline)
110         page.ApplyDocumentTemplate = False
111
112         ' Creates a TextArea for the sections text
113         Dim textArea As TextArea = New TextArea(SectionText, 0, 146, 324, 322, Font.TimesRoman, 11)
114         textArea.Leading = 14
115         textArea.ParagraphSpacing = 20
116         page.Elements.Add(textArea)
117         document.Pages.Add(page)
118
119         ' Creates a TextArea for the overflow text
120         textArea = textArea.GetOverflowTextArea(0, 0, 324, 468)
121
```

```
122     ' Loops until no overflow text is found.
123     While Not textArea Is Nothing
124         ' Adds a new page to the document
125         page = New ceTe.DynamicPDF.Page(396, 540, 36)
126
127         page.Elements.Add(textArea)
128         ' Adds new page to the document
129         document.Pages.Add(page)
130         ' Creates a TextArea for the overflow text
131         textArea = textArea.GetOverflowTextArea()
132     End While
133 End Sub
134
135 Private Function AddSectionHeaderPage(ByVal title As String, ByVal bookmarkText As String, ByVal parentOutline As
Outline) As ceTe.DynamicPDF.Page
136     ' Adds the first page of a section to the document
137     Dim page As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(396, 540, 36)
138
139     ' Uncomment the line below to add a layout grid to the section header pages
140     'page.Elements.Add( new LayoutGrid() );
141
142     page.Elements.Add(New Bookmark(bookmarkText, 0, 0, parentOutline))
143     page.Elements.Add(New Label("The Time Machine", 0, 36, 324, 30, Font.TimesBold, 30, TextAlign.Center))
144     page.Elements.Add(New Label(title, 0, 96, 324, 22, Font.TimesBold, 22, TextAlign.Center))
145     page.Elements.Add(New Line(120, 128, 204, 128))
146     Dim pageNumberLabel As PageNumberingLabel = New PageNumberingLabel("- %%CP%% -", 0, 478, 324, 11, Font.TimesRoman,
11, TextAlign.Center)
147     pageNumberLabel.PageOffset = -1
148     page.Elements.Add(pageNumberLabel)
149
150     Return page
151 End Function
152
153 Private Function GetTextFromFile(ByVal filePath As String) As String
154     ' Opens a text file and returns the text from it.
155     Dim textFile As StreamReader = File.OpenText(filePath)
156     Dim sectionText As String = textFile.ReadToEnd()
157     textFile.Close()
158     Return sectionText
159 End Function
160
161 #End Region
```

```
162  
163     End Class  
164 End Namespace
```