TimeMachine.aspx

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

TimeMachine.aspx.vb

```
Imports System
Imports System.IO
Imports Microsoft.VisualBasic

Imports ceTe.DynamicPDF
Imports ceTe.DynamicPDF.PageElements
Imports ceTe.DynamicPDF.PageElements.BarCoding

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

#Region " Page_Load Method "

        Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
            'Set local ceTe.DyanmicPDF.Document object
            Dim MyDocument As Document = New Document
            MyDocument.Creator = "TimeMachine.aspx"
            MyDocument.Author = "H. G. Wells"
            MyDocument.Title = "The Time Machine"
            MyDocument.Template = CreateHeaderFooterTemplate()

            ' Sets up outline hierarchy
            Dim titlePageOutline As Outline = MyDocument.Outlines.Add("The Time Machine", New XYDestination(1, 0, 0))
            Dim chapterOutline As Outline = titlePageOutline.ChildOutlines.Add("Chapters")

            ' Builds the book
            BuildDocument(MyDocument, titlePageOutline, chapterOutline)

            'Outputs the ContactList to the current web MyPage
            MyDocument.DrawToWeb("TimeMachine.pdf")
        End Sub

#End Region

#Region " Private Methods "

        Private Sub BuildDocument(ByVal document As Document, ByVal titlePage As Outline, ByVal chapters As Outline)
            ' Adds Title page to document
   document.Sections.Begin(NumberingStyle.None, "Cover")
   AddTitlePage(document)
   document.Sections.Begin(NumberingStyle.Numeric, "Page ")
```

TimeMachine.aspx.vb

```
43
44              ' Adds Chapters to the document
45              AddChapter(document, MapPath("../Text/TimeMachine_Chapter1.txt"), "1", "Chapter 1", chapters)
46              AddChapter(document, MapPath("../Text/TimeMachine_Chapter2.txt"), "2", "Chapter 2", chapters)
47              AddChapter(document, MapPath("../Text/TimeMachine_Chapter3.txt"), "3", "Chapter 3", chapters)
48              AddChapter(document, MapPath("../Text/TimeMachine_Chapter4.txt"), "4", "Chapter 4", chapters)
49              AddChapter(document, MapPath("../Text/TimeMachine_Chapter5.txt"), "5", "Chapter 5", chapters)
50              AddChapter(document, MapPath("../Text/TimeMachine_Chapter6.txt"), "6", "Chapter 6", chapters)
51              AddChapter(document, MapPath("../Text/TimeMachine_Chapter7.txt"), "7", "Chapter 7", chapters)
52              AddChapter(document, MapPath("../Text/TimeMachine_Chapter8.txt"), "8", "Chapter 8", chapters)
53              AddChapter(document, MapPath("../Text/TimeMachine_Chapter9.txt"), "9", "Chapter 9", chapters)
54              AddChapter(document, MapPath("../Text/TimeMachine_Chapter10.txt"), "10", "Chapter 10", chapters)
55              AddChapter(document, MapPath("../Text/TimeMachine_Chapter11.txt"), "11", "Chapter 11", chapters)
56              AddChapter(document, MapPath("../Text/TimeMachine_Chapter12.txt"), "12", "Chapter 12", chapters)
57
58              ' Add the Epilogue to the document
59              AddChapter(document, MapPath("../Text/TimeMachine_Epilogue.txt"), "Epilogue", "Epilogue", titlePage)
60          End Sub
61
62          Private Function CreateHeaderFooterTemplate() As Template
63              Dim MyTemplate As New EvenOddTemplate
64
65              ' Uncomment the line below to add a layout grid to the title header page
66              'MyTemplate.Elements.Add( new LayoutGrid() );
67
68              ' Adds elements to the header template
69              MyTemplate.OddElements.Add(New Label("The Time Machine", -18, -18, 324, 11, Font.TimesRoman, 11, TextAlign.Left))
70              MyTemplate.OddElements.Add(New Label("H. G. Wells", 18, -18, 324, 11, Font.TimesRoman, 11, TextAlign.Right))
71              MyTemplate.EvenElements.Add(New Label("H. G. Wells", -18, -18, 324, 11, Font.TimesRoman, 11, TextAlign.Left))
72              MyTemplate.EvenElements.Add(New Label("The Time Machine", 18, -18, 324, 11, Font.TimesRoman, 11, TextAlign.Right))
73              Dim MyPageNumberLabel As PageNumberingLabel = New PageNumberingLabel("- %%CP%% -", 0, 478, 324, 11, Font.TimesRoman,
    11, TextAlign.Center)
74              MyPageNumberLabel.PageOffset = -1
75              MyTemplate.Elements.Add(MyPageNumberLabel)
76
77              Return MyTemplate
78          End Function
79
80          Private Sub AddTitlePage(ByVal document As Document)
81              'Adds a title page to the document
82              Dim page As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(396, 540, 36)
83
```

```
84              ' Uncomment the line below to add a layout grid to the title page
85              'page.Elements.Add( new LayoutGrid() );
86
87              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."
88              Dim Generated As String = "Generated by" & vbCrLf & "DynamicPDF Generator for .NET" & vbCrLf & "on " +
DateTime.Now.ToLongDateString() + "," & vbCrLf & "at " + DateTime.Now.ToLongTimeString() + " EST"
89              page.Elements.Add(New Label("The Time Machine", 36, 36, 252, 30, Font.TimesBold, 30, TextAlign.Center))
90              page.Elements.Add(New Label("by H. G. Wells", 36, 96, 252, 22, Font.TimesBold, 22, TextAlign.Center))
91              page.Elements.Add(New Label("1895", 36, 148, 252, 22, Font.TimesBold, 22, TextAlign.Center))
92              page.Elements.Add(New Image(MapPath("../Images/DPDFLogo.png"), 62, 208, 0.21F))
93              page.Elements.Add(New Label(Generated, 132, 206, 182, 55, Font.TimesRoman, 11))
94              page.Elements.Add(New Label(Disclaimer, 36, 274, 252, 65, Font.TimesRoman, 11, TextAlign.Justify))
95              page.Elements.Add(New Ean13Sup5("201234567890", "90000", 82, 360))
96              page.ApplyDocumentTemplate = False
97
98              document.Pages.Add(page)
99          End Sub
100
101         Private Sub AddChapter(ByVal document As Document, ByVal filePath As String, ByVal title As String, ByVal bookmarkText
As String, ByVal parentOutline As Outline)
102             ' Retrieves the text from the sections file
103             Dim SectionText As String = GetTextFromFile(filePath)
104
105             ' Adds the first page of the section
106             Dim page As ceTe.DynamicPDF.Page = AddSectionHeaderPage(title, bookmarkText, parentOutline)
107             page.ApplyDocumentTemplate = False
108
109             ' Creates a TextArea for the sections text
110             Dim textArea As TextArea = New TextArea(SectionText, 0, 146, 324, 322, Font.TimesRoman, 11)
111             textArea.Leading = 14
112             textArea.ParagraphSpacing = 20
113             page.Elements.Add(textArea)
114             document.Pages.Add(page)
115
116             ' Creates a TextArea for the overflow text
117             textArea = textArea.GetOverflowTextArea(0, 0, 324, 468)
118
119             ' Loops until no overflow text is found.
120             While Not textArea Is Nothing
121                 ' Adds a new page to the document
```

```
                page = New ceTe.DynamicPDF.Page(396, 540, 36)

                page.Elements.Add(textArea)
                ' Adds new page to the document
                document.Pages.Add(page)
                ' Creates a TextArea for the overflow text
                textArea = textArea.GetOverflowTextArea()
            End While
        End Sub

        Private Function AddSectionHeaderPage(ByVal title As String, ByVal bookmarkText As String, ByVal parentOutline As
Outline) As ceTe.DynamicPDF.Page
            ' Adds the first page of a section to the document
            Dim page As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(396, 540, 36)

            ' Uncomment the line below to add a layout grid to the section header pages
            'page.Elements.Add( new LayoutGrid() );

            page.Elements.Add(New Bookmark(bookmarkText, 0, 0, parentOutline))
            page.Elements.Add(New Label("The Time Machine", 0, 36, 324, 30, Font.TimesBold, 30, TextAlign.Center))
            page.Elements.Add(New Label(title, 0, 96, 324, 22, Font.TimesBold, 22, TextAlign.Center))
            page.Elements.Add(New Line(120, 128, 204, 128))
            Dim pageNumberLabel As PageNumberingLabel = New PageNumberingLabel("- %%CP%% -", 0, 478, 324, 11, Font.TimesRoman,
11, TextAlign.Center)
            pageNumberLabel.PageOffset = -1
            page.Elements.Add(pageNumberLabel)

            Return page
        End Function

        Private Function GetTextFromFile(ByVal filePath As String) As String
            ' Opens a text file and returns the text from it.
            Dim textFile As StreamReader = File.OpenText(filePath)
            Dim sectionText As String = textFile.ReadToEnd()
            textFile.Close()
            Return sectionText
        End Function

#End Region

    End Class
End Namespace
```