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

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1 Imports System
2
3 Imports ceTe.DynamicPDF
4 Imports ceTe.DynamicPDF.PageElements
5
6 Namespace Web_VB.GeneratorExamples
7     Public Class Calendar
8         Inherits System.Web.UI.Page
9
10        Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
11            ' Create a MyDocument and set it's properties
12            Dim MyDocument As ceTe.DynamicPDF.Document = New ceTe.DynamicPDF.Document
13            MyDocument.Creator = "Calendar.aspx"
14            MyDocument.Author = "ceTe Software"
15            MyDocument.Title = "Calendar Example"
16
17            MyDocument.Pages.Add(CreateCalendarPage(DateTime.Now))
18            MyDocument.Pages.Add(CreateCalendarPage(DateTime.Now.AddMonths(1)))
19            MyDocument.Pages.Add(CreateCalendarPage(DateTime.Now.AddMonths(2)))
20
21            ' Output the Calendar to the current web MyPage
22            MyDocument.DrawToWeb("Calendar.pdf")
23        End Sub
24
25        Private Function CreateCalendarPage(ByVal Today As DateTime) As Page
26            Dim MyPage As Page = New Page(PageSize.Letter, PageOrientation.Landscape)
27            ' Uncomment the line below to add a layout grid to the MyPage
28            'MyPage.Elements.Add( new LayoutGrid() );
29
30            ' Create a table and set it's properties
31            Dim MyTable As Table2 = New Table2(0, 40, MyPage.Dimensions.Body.Width, MyPage.Dimensions.Body.Height - 40,
Font.Helvetica, 12)
32
33            MyTable.CellDefault.TextColor = RgbColor.Navy
34            MyTable.CellDefault.Border.Color = RgbColor.CornflowerBlue
35            MyTable.Border.Color = RgbColor.CornflowerBlue
36
37            AddColumns(MyTable, MyPage.Dimensions.Body.Width)
38
39            CreateDaysOfWeekHeader(MyTable)
40
41            ' Calculate some properties of the month
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42 Dim StartDay As Integer = (43 - Today.Day + CType(Today.DayOfWeek, Integer)) Mod 7
43 Dim DaysInMonth As Integer = DateTime.DaysInMonth(Today.Year, Today.Month)
44 Dim RequiredRows As Integer = CType(Math.Ceiling((DaysInMonth + StartDay) / 7.0F), Integer)
45 Dim RowHeight As Single = (MyPage.Dimensions.Body.Height - 60) / RequiredRows
46
47 Dim Row As Row2 = Nothing
48 Dim Position As Integer = 0
49
50 ' Add a blank entry for Sunday
51 If StartDay <> 0 Then
52     Row = MyTable.Rows.Add(RowHeight, Font.Helvetica, 14)
53     Row.Cells.Add(" ", Font.Helvetica, 15, RGBColor.Red, RGBColor.AliceBlue, 1)
54     Position = Position + 1
55 End If
56
57 ' Add any additional blank entries days of previous month
58 While Position < StartDay
59     Row.Cells.Add(" ")
60     Position = Position + 1
61 End While
62
63 ' Add the days of the month to the MyTable
64 Dim Day As Integer
65 For Day = 1 To DaysInMonth
66     If (Position Mod 7) = 0 Then
67         Row = MyTable.Rows.Add(RowHeight, Font.Helvetica, 14)
68         Row.Cells.Add(Day.ToString(), Font.Helvetica, 14, RGBColor.Red, RGBColor.AliceBlue, 1)
69     Else
70         Row.Cells.Add(Day.ToString())
71     End If
72     Position = Position + 1
73 Next
74
75 ' Add any additional blank entries to the end of the table
76 While ((Position Mod 7) <> 0)
77     Row.Cells.Add(" ")
78     Position = Position + 1
79 End While
80
81 ' Add the table to the Page
82 MyPage.Elements.Add(MyTable)
83
```

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84      ' Create and add a Month label to the calendar
85      Dim MyLabel As Label = New Label(Today.ToString("MMMM yyyy"), 0, 0, MyPage.Dimensions.Body.Width, 50,
Font.Helvetica, 23, TextAlign.Center, RgbColor.DeepPink)
86      MyPage.Elements.Add(MyLabel)
87
88      Return MyPage
89  End Function
90
91  Private Sub AddColumns(ByVal MyTable As Table2, ByVal width As Single)
92      Dim I As Integer
93      For I = 0 To 6
94          MyTable.Columns.Add(width / 7)
95      Next
96  End Sub
97
98  Private Sub CreateDaysOfWeekHeader(ByVal MyTable As Table2)
99      Dim Row As Row2 = MyTable.Rows.Add(20, Font.Helvetica, 12)
100     Row.Cells.Add(DayOfWeek.Sunday.ToString(), Font.HelveticaBold, 12, RgbColor.Red, RgbColor.AliceBlue, 1)
101     Row.Cells.Add(DayOfWeek.Monday.ToString())
102     Row.Cells.Add(DayOfWeek.Tuesday.ToString())
103     Row.Cells.Add(DayOfWeek.Wednesday.ToString())
104     Row.Cells.Add(DayOfWeek.Thursday.ToString())
105     Row.Cells.Add(DayOfWeek.Friday.ToString())
106     Row.Cells.Add(DayOfWeek.Saturday.ToString())
107  End Sub
108
109  End Class
110 End Namespace
```