Calendar.aspx

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

Calendar.aspx.vb

```
Imports System

Imports ceTe.DynamicPDF
Imports ceTe.DynamicPDF.PageElements

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

        Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
            ' Create a MyDocument and set it's properties
            Dim MyDocument As ceTe.DynamicPDF.Document = New ceTe.DynamicPDF.Document
            MyDocument.Creator = "Calendar.aspx"
            MyDocument.Author = "ceTe Software"
            MyDocument.Title = "Calendar Example"

            MyDocument.Pages.Add(CreateCalendarPage(DateTime.Now))
            MyDocument.Pages.Add(CreateCalendarPage(DateTime.Now.AddMonths(1)))
            MyDocument.Pages.Add(CreateCalendarPage(DateTime.Now.AddMonths(2)))

            ' Output the Calendar to the current web MyPage
            MyDocument.DrawToWeb("Calendar.pdf")
        End Sub

        Private Function CreateCalendarPage(ByVal Today As DateTime) As Page
            Dim MyPage As Page = New Page(PageSize.Letter, PageOrientation.Landscape)
            ' Uncomment the line below to add a loyout grid to the MyPage
            'MyPage.Elements.Add( new LayoutGrid() );

            ' Create a table and set it's properties
            Dim MyTable As Table2 = New Table2(0, 40, MyPage.Dimensions.Body.Width, MyPage.Dimensions.Body.Height - 40,
Font.Helvetica, 12)

            MyTable.CellDefault.TextColor = RgbColor.Navy
            MyTable.CellDefault.Border.Color = RgbColor.CornflowerBlue
            MyTable.Border.Color = RgbColor.CornflowerBlue

            AddColumns(MyTable, MyPage.Dimensions.Body.Width)

            CreateDaysOfWeekHeader(MyTable)

            ' Calculate some properties of the month
```

Calendar.aspx.vb

```
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
```

```
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
```