Calendar.aspx

```
1 <%@ Page language="c#" Src="Calendar.aspx.cs" Inherits="Web_CSharp.GeneratorExamples.Calendar" %>
```

Calendar.aspx.cs

```
using System;
using ceTe.DynamicPDF;
using ceTe.DynamicPDF.PageElements;

namespace Web_CSharp.GeneratorExamples
{
    public class Calendar : System.Web.UI.Page
    {
        private void Page_Load(object sender, System.EventArgs e)
        {
            // Create a document and set it's properties
            ceTe.DynamicPDF.Document document = new ceTe.DynamicPDF.Document();
            document.Creator = "TableCalendar.aspx";
            document.Author = "ceTe Software";
            document.Title = "Table Calendar Example";

            document.Pages.Add( CreateCalendarPage( DateTime.Now ) );
            document.Pages.Add( CreateCalendarPage( DateTime.Now.AddMonths( 1 ) ) );
            document.Pages.Add( CreateCalendarPage( DateTime.Now.AddMonths( 2 ) ) );

            // Output the Calendar to the current web page
            document.DrawToWeb( "Calendar.pdf" );
        }

        private Page CreateCalendarPage( DateTime date )
        {
            Page page = new Page( PageSize.Letter, PageOrientation.Landscape );

            // Uncomment the line below to add a loyout grid to the page
            //page.Elements.Add( new LayoutGrid() );

            // Create a table and set it's properties
            Table2 table = new Table2( 0, 40, page.Dimensions.Body.Width, page.Dimensions.Body.Height - 40, Font.Helvetica, 12
);
            table.CellDefault.TextColor = RgbColor.Navy;
            table.CellDefault.Border.Color = RgbColor.CornflowerBlue;
            table.Border.Color = RgbColor.CornflowerBlue;

            AddColumns( table, page.Dimensions.Body.Width );

            CreateDaysOfWeekHeader( table );

            // Calculate some properties of the month
            int startDay = ( 43 - date.Day + (int)date.DayOfWeek ) % 7;
            int daysInMonth = DateTime.DaysInMonth( date.Year, date.Month );
            int requiredRows = (int)Math.Ceiling( ( daysInMonth + startDay ) / 7.0f );
            float rowHeight = ( page.Dimensions.Body.Height - 60 ) / requiredRows;

            Row2 row = null;
            int position = 0;
```

```
50
51              // Add a blank entry for Sunday
52              if( startDay != 0 )
53              {
54                  row = table.Rows.Add( rowHeight, Font.Helvetica, 14 );
55                  row.Cells.Add( " ", Font.Helvetica, 15, RgbColor.Red, RgbColor.AliceBlue, 1 );
56                  position++;
57              }
58
59              // Add any additional blank entries days of previous month
60              while( position < startDay )
61              {
62                  row.Cells.Add( " " );
63                  position++;
64              }
65
66              // Add the days of the month to the myTable
67              for( int day=1; day<=daysInMonth; day++ )
68              {
69                  if( position++ % 7 == 0 )
70                  {
71                      row = table.Rows.Add( rowHeight, Font.Helvetica, 14 );
72                      row.Cells.Add( day.ToString(), Font.Helvetica, 14, RgbColor.Red, RgbColor.AliceBlue, 1 );
73                  }
74                  else
75                  {
76                      row.Cells.Add( day.ToString() );
77                  }
78              }
79
80              // Add any additional blank entries to the end of the table
81              while( position++ % 7 != 0 )
82              {
83                  row.Cells.Add( " " );
84              }
85
86              // Add the table to the Page
87              page.Elements.Add( table );
88
89              // Create and add a Month label to the calendar
90              Label label = new Label( date.ToString( "MMMM yyyy" ), 0, 0, page.Dimensions.Body.Width, 50, Font.Helvetica, 23,
    TextAlign.Center, RgbColor.DeepPink );
91              page.Elements.Add( label );
92              return page;
93          }
94
95          private void AddColumns( Table2 table, float width )
96          {
97              for( int i = 0; i < 7; i++ )
98                  table.Columns.Add( width/7 );
```

```
        }

        private void CreateDaysOfWeekHeader( Table2 table )
        {
            Row2 row = table.Rows.Add( 20, Font.Helvetica, 12 );
            row.Cells.Add( DayOfWeek.Sunday.ToString(), Font.HelveticaBold, 12, RgbColor.Red, RgbColor.AliceBlue, 1 );
            row.Cells.Add( DayOfWeek.Monday.ToString() );
            row.Cells.Add( DayOfWeek.Tuesday.ToString() );
            row.Cells.Add( DayOfWeek.Wednesday.ToString() );
            row.Cells.Add( DayOfWeek.Thursday.ToString() );
            row.Cells.Add( DayOfWeek.Friday.ToString() );
            row.Cells.Add( DayOfWeek.Saturday.ToString() );
        }
    }
}
```