

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

```
1 using System;
2 using ceTe.DynamicPDF;
3 using ceTe.DynamicPDF.PageElements;
4
5 namespace Web_CSharp.GeneratorExamples
6 {
7     public class Calendar : System.Web.UI.Page
8     {
9         private void Page_Load(object sender, System.EventArgs e)
10        {
11            // Create a document and set it's properties
12            ceTe.DynamicPDF.Document document = new ceTe.DynamicPDF.Document();
13            document.Creator = "TableCalendar.aspx";
14            document.Author = "ceTe Software";
15            document.Title = "Table Calendar Example";
16
17            document.Pages.Add( CreateCalendarPage( DateTime.Now ) );
18            document.Pages.Add( CreateCalendarPage( DateTime.Now.AddMonths( 1 ) ) );
19            document.Pages.Add( CreateCalendarPage( DateTime.Now.AddMonths( 2 ) ) );
20
21            // Output the Calendar to the current web page
22            document.DrawToWeb( "Calendar.pdf" );
23        }
24
25        private Page CreateCalendarPage( DateTime date )
26        {
27            Page page = new Page( PageSize.Letter, PageOrientation.Landscape );
28
29            // Uncomment the line below to add a layout grid to the page
30            //page.Elements.Add( new LayoutGrid() );
31
32            // Create a table and set it's properties
33            Table2 table = new Table2( 0, 40, page.Dimensions.Body.Width, page.Dimensions.Body.Height - 40, Font.Helvetica, 12
34            );
35            table.CellDefault.TextColor = RgbColor.Navy;
36            table.CellDefault.Border.Color = RgbColor.CornflowerBlue;
37            table.Border.Color = RgbColor.CornflowerBlue;
38
39            AddColumns( table, page.Dimensions.Body.Width );
40
41            CreateDaysOfWeekHeader( table );
42
43            // Calculate some properties of the month
44            int startDay = ( 43 - date.Day + (int)date.DayOfWeek ) % 7;
45            int daysInMonth = DateTime.DaysInMonth( date.Year, date.Month );
46            int requiredRows = (int)Math.Ceiling( ( daysInMonth + startDay ) / 7.0f );
47            float rowHeight = ( page.Dimensions.Body.Height - 60 ) / requiredRows;
48
49            Row2 row = null;
50            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,
91 TextAlign.Center, RGBColor.DeepPink );
92 page.Elements.Add( label );
93 return page;
94 }
95 private void AddColumns( Table2 table, float width )
96 {
97     for( int i = 0; i < 7; i++ )
98         table.Columns.Add( width/7 );
```

```
99     }
100
101     private void CreateDaysOfWeekHeader( Table2 table )
102     {
103         Row2 row = table.Rows.Add( 20, Font.Helvetica, 12 );
104         row.Cells.Add( DayOfWeek.Sunday.ToString(), Font.HelveticaBold, 12, RgbColor.Red, RgbColor.AliceBlue, 1 );
105         row.Cells.Add( DayOfWeek.Monday.ToString() );
106         row.Cells.Add( DayOfWeek.Tuesday.ToString() );
107         row.Cells.Add( DayOfWeek.Wednesday.ToString() );
108         row.Cells.Add( DayOfWeek.Thursday.ToString() );
109         row.Cells.Add( DayOfWeek.Friday.ToString() );
110         row.Cells.Add( DayOfWeek.Saturday.ToString() );
111     }
112 }
113 }
```