AllPageElements.aspx

```
1 <%@ Page Language="vb" AutoEventWireup="false" Inherits="Web_VB.Web_VB.GeneratorExamples.AllPageElements"
  CodeFile="AllPageElements.aspx.vb" %>
```

AllPageElements.aspx.vb

```
Imports System
Imports System.Text
Imports System.IO
Imports System.Security.Cryptography
Imports ceTe.DynamicPDF
Imports ceTe.DynamicPDF.IO
Imports ceTe.DynamicPDF.Text
Imports ceTe.DynamicPDF.PageElements
Imports ceTe.DynamicPDF.PageElements.Forms
Imports ceTe.DynamicPDF.PageElements.BarCoding
Imports ceTe.DynamicPDF.PageElements.Charting
Imports ceTe.DynamicPDF.PageElements.Charting.Axes
Imports ceTe.DynamicPDF.PageElements.Charting.Series
Imports ceTe.DynamicPDF.PageElements.Charting.Values
Imports ceTe.DynamicPDF.PageElements.Html

Namespace Web_VB.Web_VB.GeneratorExamples
    Partial Class AllPageElements
        Inherits System.Web.UI.Page


#Region "Member Variables"

        Private PageCounter As Integer = 0

#End Region
#Region "StopSign Custom Page Element Class"

        'Custom Page Element
        Public Class StopSign
            Inherits ceTe.DynamicPDF.PageElement

#Region "Member Variables"

            Private X As Single = 0.0F
            Private Y As Single = 0.0F
            Private w As Single = 0.0F
            Private H As Single = 0.0F

#End Region

#Region "Constructors"
```

```
43
44              'Initilizes a new instance of the StopSign class.
45              Public Sub New(ByVal X As Single, ByVal Y As Single, ByVal Width As Single, ByVal Height As Single)
46                  Me.X = X
47                  Me.Y = Y
48                  Me.w = Width
49                  Me.H = Height
50
51              End Sub
52  #End Region
53
54  #Region "Public methods"
55
56              ' Overriden. Draws a MyPageElement page element to the page.
57              Public NotOverridable Overrides Sub Draw(ByVal Writer As PageWriter)
58                  Dim v As Single = H / 3.414
59
60                  ' End text mode
61                  Writer.Write_ET()
62                  Writer.Write_m_(X + v, Y)
63                  Writer.Write_RG(RgbColor.White)
64                  Writer.Write_rg_(RgbColor.Red)
65
66                  ' Draws the axis lines to the page
67                  Writer.Write_l_(X + H - v, Y)
68                  Writer.Write_l_(X + H, Y + v)
69                  Writer.Write_l_(X + H, Y + H - v)
70                  Writer.Write_l_(X + H - v, Y + H)
71                  Writer.Write_l_(X + v, Y + H)
72                  Writer.Write_l_(X, Y + H - v)
73                  Writer.Write_l_(X, Y + v)
74                  Writer.Write_b_()
75                  Dim Text As String = "STOP"
76                  Dim CharText() As Char = Text.ToCharArray()
77
78                  ' Begin text mode
79                  Writer.Write_BT()
80                  Writer.SetFont(ceTe.DynamicPDF.Font.Helvetica, 16)
81                  Writer.Write_rg_(RgbColor.White)
82                  Writer.Write_Tm(88.5, Y + (w / 1.65))
83
84                  ' Wirte the text
```

```
85                 Writer.Write_Tj_(Text, False)
86
87                 ' End text mode
88                 Writer.Write_ET()
89             End Sub
90 #End Region
91         End Class
92
93 #End Region
94
95 #Region "Page_Load Method"
96
97         Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
98             Dim MyDocument As ceTe.DynamicPDF.Document = New ceTe.DynamicPDF.Document
99             MyDocument.Creator = "AllPageElements.aspx"
100            MyDocument.Author = "ceTe Software"
101            MyDocument.Title = "All Page Elements"
102
103            ' Add the top level outline to the document
104            Dim ParentOutline As Outline = MyDocument.Outlines.Add("Top Level Outline", New XYDestination(1, 0, 0))
105            ParentOutline.Color = New WebColor("0000FF")
106            ParentOutline.Style = TextStyle.Bold
107
108            ' Add pages to the document
109            AddPageElementPage(MyDocument, ParentOutline)
110            AddTableAndOther(MyDocument, ParentOutline)
111            AddChartspage(MyDocument, ParentOutline)
112            AddFormElementPage(MyDocument, ParentOutline)
113            AddUPCEANPage(MyDocument, ParentOutline)
114            AddPostalBarCodePage(MyDocument, ParentOutline)
115            AddIsbnIssnIsmnPage(MyDocument, ParentOutline)
116            AddBarCodePage(MyDocument, ParentOutline)
117            Add2DBarCodePage(MyDocument, ParentOutline)
118            AddWatermark(MyDocument, ParentOutline)
119
120            ' Outputs the document to the current web page
121            MyDocument.DrawToWeb("AllPageElements.pdf")
122        End Sub
123 #End Region
124
125 #Region "Private Methods"
126
```

```
127         Private Sub AddIsbn(elements As Group, x As Integer, y As Integer)
128             AddCaptionAndRectangle(elements, "ISBN Barcode", x, y, 204, 99)
129             Dim MyBarCode As New Isbn("978-1-23-456789-7", x, y + 21)
130             MyBarCode.ShowText = True
131             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
132             elements.Add(MyBarCode)
133         End Sub
134 
135         Private Sub AddIsbnSup2(elements As Group, x As Integer, y As Integer)
136             AddCaptionAndRectangle(elements, "ISBN Barcode, 2 digit supplement", x, y, 204, 99)
137             Dim MyBarCode As New IsbnSup2("978-1-23-456789-7", "12", x, y + 21)
138             MyBarCode.ShowText = True
139             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
140             elements.Add(MyBarCode)
141         End Sub
142 
143         Private Sub AddIsbnSup5(elements As Group, x As Integer, y As Integer)
144             AddCaptionAndRectangle(elements, "ISBN Barcode, 5 digit supplement", x, y, 204, 99)
145             Dim MyBarCode As New IsbnSup5("978-1-23-456789-7", "12345", x, y + 21)
146             MyBarCode.ShowText = True
147             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
148             elements.Add(MyBarCode)
149         End Sub
150 
151         Private Sub AddIsmn(elements As Group, x As Integer, y As Integer)
152             AddCaptionAndRectangle(elements, "ISMN Barcode", x, y, 204, 99)
153             Dim MyBarCode As New Ismn("979-0-1234-5678", x, y + 21)
154             MyBarCode.ShowText = True
155             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
156             elements.Add(MyBarCode)
157         End Sub
158 
159         Private Sub AddIsmnSup2(elements As Group, x As Integer, y As Integer)
160             AddCaptionAndRectangle(elements, "ISMN Barcode, 2 digit supplement", x, y, 204, 99)
161             Dim MyBarCode As New IsmnSup2("979-0-1234-5678", "12", x, y + 21)
162             MyBarCode.ShowText = True
163             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
164             elements.Add(MyBarCode)
165         End Sub
166 
167         Private Sub AddIsmnSup5(elements As Group, x As Integer, y As Integer)
168             AddCaptionAndRectangle(elements, "ISMN Barcode, 5 digit supplement", x, y, 204, 99)
```

```
169             Dim MyBarCode As New IsmnSup5("979-0-1234-5678", "12345", x, y + 21)
170             MyBarCode.ShowText = True
171             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
172             elements.Add(MyBarCode)
173         End Sub
174
175         Private Sub AddIssn(elements As Group, x As Integer, y As Integer)
176             AddCaptionAndRectangle(elements, "ISSN Barcode", x, y, 204, 99)
177             Dim MyBarCode As New Issn("977-1234-56700", x, y + 21)
178             MyBarCode.ShowText = True
179             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
180             elements.Add(MyBarCode)
181         End Sub
182
183         Private Sub AddIssnSup2(elements As Group, x As Integer, y As Integer)
184             AddCaptionAndRectangle(elements, "ISSN Barcode, 2 digit supplement", x, y, 204, 99)
185             Dim MyBarCode As New IssnSup2("977-1234-56700", "12", x, y + 21)
186             MyBarCode.ShowText = True
187             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
188             elements.Add(MyBarCode)
189         End Sub
190
191         Private Sub AddIssnSup5(elements As Group, x As Integer, y As Integer)
192             AddCaptionAndRectangle(elements, "ISSN Barcode, 5 digit supplement", x, y, 204, 99)
193             Dim MyBarCode As New IssnSup5("977-1234-56700", "12345", x, y + 21)
194             MyBarCode.ShowText = True
195             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
196             elements.Add(MyBarCode)
197         End Sub
198
199         Private Sub AddSingaporePost(elements As Group, x As Integer, y As Integer)
200             AddCaptionAndRectangle(elements, "Singapore Post Barcode", x, y, 225, 80)
201             Dim MyBarCode As New SingaporePost("208154", x, y + 15, True)
202             MyBarCode.Height = 35
203             MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
204             MyBarCode.Y += (65 - MyBarCode.Height) / 2
205             elements.Add(MyBarCode)
206         End Sub
207
208         Private Sub AddKix(elements As Group, x As Integer, y As Integer)
209             AddCaptionAndRectangle(elements, "Kix (Royal TNT Post) Barcode", x, y, 225, 80)
210             Dim MyBarCode As New Kix("1231FZ13XHS", x, y + 15, True)
```

```
            MyBarCode.Height = 35
            MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
            MyBarCode.Y += (65 - MyBarCode.Height) / 2
            elements.Add(MyBarCode)
        End Sub

        Private Sub AddDeutschePostLeitcode(elements As Group, x As Integer, y As Integer)
            AddCaptionAndRectangle(elements, "Deutsche Post Leitcode", x, y, 225, 80)
            Dim MyBarCode As New DeutschePostLeitcode("1234567890123", x, y + 15, 48)
            MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
            MyBarCode.Y += (65 - MyBarCode.Height) / 2
            elements.Add(MyBarCode)
        End Sub

        Private Sub AddDeutschePostIdentcode(elements As Group, x As Integer, y As Integer)
            AddCaptionAndRectangle(elements, "Deutsche Post Identcode", x, y, 225, 80)
            Dim MyBarCode As New DeutschePostIdentcode("12345678901", x, y + 15, 48)
            MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
            MyBarCode.Y += (65 - MyBarCode.Height) / 2
            elements.Add(MyBarCode)
        End Sub

        Private Sub AddAustraliaPost(elements As Group, x As Integer, y As Integer)
            AddCaptionAndRectangle(elements, "Australia Post Barcode", x, y, 225, 80)
            Dim MyBarCode As New AustraliaPost("1139549554", x, y + 15, True)
            MyBarCode.Height = 35
            MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
            MyBarCode.Y += (65 - MyBarCode.Height) / 2
            elements.Add(MyBarCode)
        End Sub

        Private Sub AddAztec(elements As Group, x As Integer, y As Integer)
            AddCaptionAndRectangle(elements, "Aztec Barcode", x, y, 225, 100)
            Dim Aztec As New Aztec("Aztec Barcode", x, y + 15, AztecSymbolSize.Auto)
            Aztec.XDimension = 2.5F
            Aztec.X += (225 - Aztec.GetSymbolWidth()) / 2
            Aztec.Y += (85 - Aztec.GetSymbolHeight()) / 2
            elements.Add(Aztec)
        End Sub

        Private Sub AddStackedGs1Expanded(elements As Group, x As Integer, y As Integer)
            AddCaptionAndRectangle(elements, "Stacked GS1 DataBar Expanded Barcode", x, y, 225, 100)
```

```
253             Dim MyBarCode As New StackedGS1DataBar("(01)1234567890123", x, y + 15, 25, StackedGS1DataBarType.ExpandedStacked)
254             MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
255             MyBarCode.Y += (85 - MyBarCode.GetSymbolHeight()) / 2
256             elements.Add(MyBarCode)
257         End Sub
258
259         Private Sub AddStackedGs1Stacked(elements As Group, x As Integer, y As Integer)
260             AddCaptionAndRectangle(elements, "Stacked GS1 DataBar Barcode", x, y, 225, 100)
261             Dim MyBarCode As New StackedGS1DataBar("(01)1234567890123", x, y + 15, 25, StackedGS1DataBarType.Stacked)
262             MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
263             MyBarCode.Y += (85 - MyBarCode.GetSymbolHeight()) / 2
264             elements.Add(MyBarCode)
265         End Sub
266
267         Private Sub AddStackedGs1Omni(elements As Group, x As Integer, y As Integer)
268             AddCaptionAndRectangle(elements, "Stacked GS1 DataBar Omnidirectional Barcode", x, y, 225, 100)
269             Dim MyBarCode As New StackedGS1DataBar("(01)1234567890123", x, y + 15, 25,
    StackedGS1DataBarType.StackedOmnidirectional)
270             MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
271             MyBarCode.Y += (85 - MyBarCode.GetSymbolHeight()) / 2
272             elements.Add(MyBarCode)
273         End Sub
274
275         Private Sub AddGs1DataBarExpanded(elements As Group, x As Integer, y As Integer)
276             AddCaptionAndRectangle(elements, "GS1 DataBar Expanded Barcode", x, y, 225, 80)
277             Dim MyBarCode As New GS1DataBar("(01)1234567890123", x, y + 15, 48, GS1DataBarType.Expanded)
278             MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
279             MyBarCode.Y += (65 - MyBarCode.Height) / 2
280             elements.Add(MyBarCode)
281         End Sub
282
283         Private Sub AddGs1DataBarLimited(elements As Group, x As Integer, y As Integer)
284             AddCaptionAndRectangle(elements, "GS1 DataBar Limited Barcode", x, y, 225, 80)
285             Dim MyBarCode As New GS1DataBar("(01)1234567890123", x, y + 15, 48, GS1DataBarType.Limited)
286             MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
287             MyBarCode.Y += (65 - MyBarCode.Height) / 2
288             elements.Add(MyBarCode)
289         End Sub
290
291         Private Sub AddGs1DataBarOmnidirectional(elements As Group, x As Integer, y As Integer)
292             AddCaptionAndRectangle(elements, "GS1 DataBar Omnidirectional Barcode", x, y, 225, 80)
293             Dim MyBarCode As New GS1DataBar("(01)9889876543210", x, y + 15, 48, GS1DataBarType.Omnidirectional)
```

```
294             MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
295             MyBarCode.Y += (65 - MyBarCode.Height) / 2
296             elements.Add(MyBarCode)
297         End Sub
298 
299         Private Sub AddEan14(elements As Group, x As Integer, y As Integer)
300             AddCaptionAndRectangle(elements, "EAN-14 Barcode", x, y, 225, 80)
301             Dim MyBarCode As New Ean14("1234567890123", x, y + 15, 48)
302             MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
303             MyBarCode.Y += (65 - MyBarCode.Height) / 2
304             elements.Add(MyBarCode)
305         End Sub
306 
307         Private Sub AddItf14(elements As Group, x As Integer, y As Integer)
308             AddCaptionAndRectangle(elements, "ITF-14 Barcode", x, y, 225, 80)
309             Dim MyBarCode As New Itf14("1234567890123", x, y + 15, 48)
310             MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
311             MyBarCode.Y += (65 - MyBarCode.Height) / 2
312             elements.Add(MyBarCode)
313         End Sub
314 
315         Private Sub AddIata25(elements As Group, x As Integer, y As Integer)
316             AddCaptionAndRectangle(elements, "IATA-25 Barcode", x, y, 225, 80)
317             Dim MyBarCode As New Iata25("1234567", x, y + 15, 48)
318             MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
319             MyBarCode.Y += (65 - MyBarCode.Height) / 2
320             elements.Add(MyBarCode)
321         End Sub
322 
323         Private Sub AddExtendedCode93(elements As Group, x As Integer, y As Integer)
324             AddCaptionAndRectangle(elements, "Extended Code 93 Barcode", x, y, 225, 80)
325             Dim MyBarCode As New Code93("Code 93", x, y + 15, 48)
326             MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
327             MyBarCode.Y += (65 - MyBarCode.Height) / 2
328             elements.Add(MyBarCode)
329         End Sub
330 
331         Private Sub AddCode93(elements As Group, x As Integer, y As Integer)
332             AddCaptionAndRectangle(elements, "Code 93 Barcode", x, y, 225, 80)
333             Dim MyBarCode As New Code93("CODE 93", x, y + 15, 48)
334             MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
335             MyBarCode.Y += (65 - MyBarCode.Height) / 2
```

```
            elements.Add(MyBarCode)
        End Sub

        Private Sub AddExtendedCode39(elements As Group, x As Integer, y As Integer)
            AddCaptionAndRectangle(elements, "Extended Code 3 of 9 Barcode", x, y, 225, 80)
            Dim MyBarCode As New Code39("Code 39", x, y + 15, 48)
            MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
            MyBarCode.Y += (65 - MyBarCode.Height) / 2
            elements.Add(MyBarCode)
        End Sub

        Private Sub AddCode11(elements As Group, x As Integer, y As Integer)
            AddCaptionAndRectangle(elements, "Code 11 Barcode", x, y, 225, 80)
            Dim MyBarCode As New Code11("12345678", x, y + 15, 48)
            MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
            MyBarCode.Y += (65 - MyBarCode.Height) / 2
            elements.Add(MyBarCode)
        End Sub

        Private Sub Add2DBarCodePage(ByVal MyDocument As Document, ByVal ParentOutline As Outline)
            ' Increments a page counter
            PageCounter = PageCounter + 1

            ' Adds to outlines to the page
            ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter) + " - 2D and Stacked GS1 Databar Barcodes", New
ZoomDestination(PageCounter, PageZoom.FitPage))

            ' Create a page to add to the document
            Dim MyPage As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(PageSize.Letter, PageOrientation.Portrait, 54)

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

            ' Add the page elements to the page
            AddStackedGs1Omni(MyPage.Elements, 0, 0)
            AddStackedGs1Stacked(MyPage.Elements, 0, 108)
            AddStackedGs1Expanded(MyPage.Elements, 0, 216)
            AddAztec(MyPage.Elements, 0, 324)
            AddQrCode(MyPage.Elements, 0, 432)

            AddPdf417(MyPage.Elements, 279, 0)
            AddPdf417Macro(MyPage.Elements, 279, 108)
```

```
377             AddDataMatrixBarcode(MyPage.Elements, 279, 324)
378
379             MyDocument.Pages.Add(MyPage)
380         End Sub
381
382         Private Sub AddPostalBarCodePage(ByVal MyDocument As Document, ByVal ParentOutline As Outline)
383             PageCounter = PageCounter + 1
384
385             ' Adds to outlines to the page
386             ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter) + " - Postal Barcodes", New ZoomDestination(PageCounter,
PageZoom.FitPage))
387
388             ' Create a page to add to the document
389             Dim MyPage As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(PageSize.Letter, PageOrientation.Portrait, 54)
390
391             ' Uncomment the line below to add a layout grid to the page
392             'page.Elements.Add( new LayoutGrid() )
393
394             ' Add the page elements to the page
395             AddAustraliaPost(MyPage.Elements, 0, 0)
396             AddDeutschePostIdentcode(MyPage.Elements, 0, 120)
397             AddDeutschePostLeitcode(MyPage.Elements, 0, 240)
398             AddKix(MyPage.Elements, 0, 360)
399
400             AddIntelligentMailBarcode(MyPage.Elements, 279, 0)
401             AddRm4sccCode(MyPage.Elements, 279, 120)
402             AddPostnet(MyPage.Elements, 279, 240)
403             AddSingaporePost(MyPage.Elements, 279, 360)
404
405             MyDocument.Pages.Add(MyPage)
406         End Sub
407
408         Private Sub AddIsbnIssnIsmnPage(ByVal MyDocument As Document, ByVal ParentOutline As Outline)
409             PageCounter = PageCounter + 1
410
411             ' Adds to outlines to the page
412             ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter) + " - ISBN/ISMN/ISSN Barcodes", New
ZoomDestination(PageCounter, PageZoom.FitPage))
413
414             ' Create a page to add to the document
415             Dim MyPage As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(PageSize.Letter, PageOrientation.Landscape, 54)
416
```

```
417             ' Uncomment the line below to add a layout grid to the page
418             'page.Elements.Add( new LayoutGrid() )
419
420             ' Add the page elements to the page
421             AddIsbn(MyPage.Elements, 0, 0)
422             AddIsbnSup2(MyPage.Elements, 240, 0)
423             AddIsbnSup5(MyPage.Elements, 480, 0)
424             AddIsmn(MyPage.Elements, 0, 150)
425             AddIsmnSup2(MyPage.Elements, 240, 150)
426             AddIsmnSup5(MyPage.Elements, 480, 150)
427             AddIssn(MyPage.Elements, 0, 300)
428             AddIssnSup2(MyPage.Elements, 240, 300)
429             AddIssnSup5(MyPage.Elements, 480, 300)
430
431             ' Add the page to the document
432             MyDocument.Pages.Add(MyPage)
433         End Sub
434
435         Private Sub AddMSICode(elements As Group, x As Integer, y As Integer)
436             AddCaptionAndRectangle(elements, "MSI Barcode", x, y, 225, 80)
437             Dim msi As MsiBarcode = New MsiBarcode("1234567890", x, y, 50, True)
438             msi.Y += (80 - msi.Height) / 2 + 8
439             msi.X += (225 - msi.GetSymbolWidth()) / 2
440             elements.Add(msi)
441         End Sub
442
443         Private Sub AddRm4sccCode(elements As Group, x As Integer, y As Integer)
444             AddCaptionAndRectangle(elements, "RM4SCC Barcode", x, y, 225, 80)
445             Dim rm4sccCode As Rm4scc = New Rm4scc("1457826RA", x, y, True)
446             rm4sccCode.Height = 35
447             rm4sccCode.Y += (65 - rm4sccCode.Height) / 2 + 13
448             rm4sccCode.X += (225 - rm4sccCode.GetSymbolWidth()) / 2
449             elements.Add(rm4sccCode)
450         End Sub
451
452         Private Sub AddChartspage(ByVal MyDocument As Document, ByVal ParentOutline As Outline)
453
454             ' Increments a page counter
455             PageCounter = PageCounter + 1
456
457             ' Adds  outlines to the page
```

```
458             ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter) + " - Charts", New ZoomDestination(PageCounter,
459
460             ' Create a page
461             Dim MyPage As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(PageSize.Letter, PageOrientation.Landscape)
462             AddAreaChart(MyPage.Elements, 0, 25)
463             AddLineChart(MyPage.Elements, 375, 25)
464             AddPieChart(MyPage.Elements, 0, 260)
465             AddBarChart(MyPage.Elements, 375, 260)
466             MyDocument.Pages.Add(MyPage)
467         End Sub
468         Private Sub AddAreaChart(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
469             AddCaptionAndRectangle(Elements, "Stacked Area Chart", X, Y, 325, 225)
470
471             ' Create a MyChart
472             Dim MyChart As New Chart(X + 20, Y + 25, 300, 200)
473
474             ' Create a plot area
475             Dim MyPlotArea As PlotArea = MyChart.PrimaryPlotArea
476
477             ' Create header title and add it to the MyChart
478             Dim MyTitle1 As New Title("Website Visitors")
479             MyChart.HeaderTitles.Add(MyTitle1)
480
481             ' Create indexed stacked are series elements and add values to it
482             Dim MySeriesElement1 As New IndexedStackedAreaSeriesElement("Website A")
483             MySeriesElement1.Values.Add(New Single() {5, 7, 9, 6})
484             Dim MySeriesElement2 As New IndexedStackedAreaSeriesElement("Website B")
485             MySeriesElement2.Values.Add(New Single() {4, 2, 5, 8})
486             Dim MySeriesElement3 As New IndexedStackedAreaSeriesElement("Website C")
487             MySeriesElement3.Values.Add(New Single() {2, 4, 6, 9})
488
489             ' Add autogradient colors to series
490             Dim MyAutogradient1 As AutoGradient = New AutoGradient(90.0F, CmykColor.Red, CmykColor.IndianRed)
491             MySeriesElement1.Color = MyAutogradient1
492             Dim MyAutogradient2 As AutoGradient = New AutoGradient(90.0F, CmykColor.Green, CmykColor.YellowGreen)
493             MySeriesElement2.Color = MyAutogradient2
494             Dim MyAutogradient3 As AutoGradient = New AutoGradient(120.0F, CmykColor.Blue, CmykColor.LightBlue)
495             MySeriesElement3.Color = MyAutogradient3
496
497             ' Create a Indexed Stacked Area Series
498             Dim MyAreaSeries1 As New IndexedStackedAreaSeries()
```

```
499
500             ' Add indexed stacked area series elements to the Indexed Stacked Area Series
501             MyAreaSeries1.Add(MySeriesElement1)
502             MyAreaSeries1.Add(MySeriesElement2)
503             MyAreaSeries1.Add(MySeriesElement3)
504
505             ' Add series to the plot area
506             MyPlotArea.Series.Add(MyAreaSeries1)
507
508             ' Create a title and add it to the YAxis
509             Dim MylTitle As New Title("Visitors (in millions)")
510             MyAreaSeries1.YAxis.Titles.Add(MylTitle)
511
512             'Adding AxisLabels to the XAxis
513             MyAreaSeries1.XAxis.Labels.Add(New IndexedXAxisLabel("Q1", 0))
514             MyAreaSeries1.XAxis.Labels.Add(New IndexedXAxisLabel("Q2", 1))
515             MyAreaSeries1.XAxis.Labels.Add(New IndexedXAxisLabel("Q3", 2))
516             MyAreaSeries1.XAxis.Labels.Add(New IndexedXAxisLabel("Q4", 3))
517             Elements.Add(MyChart)
518         End Sub
519         Private Sub AddLineChart(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
520             AddCaptionAndRectangle(Elements, "Line Chart", X, Y, 325, 225)
521
522             ' Create a MyChart
523             Dim MyChart As New Chart(X + 20, Y + 25, 300, 200)
524
525             ' Create a plot area
526             Dim MyPlotArea As PlotArea = MyChart.PrimaryPlotArea
527
528             ' Create header titles and add it to the MyChart
529             Dim MyTitle1 As New Title("Website Visitors")
530             MyChart.HeaderTitles.Add(MyTitle1)
531
532             ' Create a indexed line series and add values to it
533             Dim MyLineSeries1 As New IndexedLineSeries("Website A")
534             MyLineSeries1.Values.Add(New Single() {5, 7, 9, 6})
535             Dim MyLineSeries2 As New IndexedLineSeries("Website B")
536             MyLineSeries2.Values.Add(New Single() {4, 2, 5, 8})
537             Dim MyLineSeries3 As New IndexedLineSeries("Website C")
538             MyLineSeries3.Values.Add(New Single() {2, 4, 6, 9})
539
540             ' Add indexed line series to the plot area
```

```
            MyPlotArea.Series.Add(MyLineSeries1)
            MyPlotArea.Series.Add(MyLineSeries2)
            MyPlotArea.Series.Add(MyLineSeries3)

            ' Create a title and add it to the yaxis
            Dim MylTitle As New Title("Visitors (in millions)")
            MyLineSeries1.YAxis.Titles.Add(MylTitle)

            'Adding AxisLabels to the XAxis
            MyLineSeries1.XAxis.Labels.Add(New IndexedXAxisLabel("Q1", 0))
            MyLineSeries1.XAxis.Labels.Add(New IndexedXAxisLabel("Q2", 1))
            MyLineSeries1.XAxis.Labels.Add(New IndexedXAxisLabel("Q3", 2))
            MyLineSeries1.XAxis.Labels.Add(New IndexedXAxisLabel("Q4", 3))
            Elements.Add(MyChart)
        End Sub
        Private Sub AddPieChart(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
            AddCaptionAndRectangle(Elements, "Pie Chart", X, Y, 325, 225)

            ' Create a MyChart
            Dim MyChart As New Chart(X + 20, Y + 25, 300, 200)

            ' Add a plot area to the MyChart
            Dim MyPlotArea As PlotArea = MyChart.PlotAreas.Add(50, 50, 300, 300)

            ' Create the Header titles and add it to the MyChart
            Dim MytTitle As New Title("Website Visitors (in millions)")
            MyChart.HeaderTitles.Add(MytTitle)

            ' Add autogradient colors to series
            Dim MyAutogradient1 As AutoGradient = New AutoGradient(90.0F, CmykColor.Red, CmykColor.IndianRed)
            Dim MyAutogradient2 As AutoGradient = New AutoGradient(90.0F, CmykColor.Green, CmykColor.YellowGreen)
            Dim MyAutogradient3 As AutoGradient = New AutoGradient(120.0F, CmykColor.Blue, CmykColor.LightBlue)


            ' Create a scalar datalabel
            Dim Myda As ScalarDataLabel = New ScalarDataLabel(True, False, False)

            ' Create a pie series
            Dim MyPieSeries As New PieSeries()

            ' Set scalar datalabel to the pie series
            MyPieSeries.DataLabel = Myda
```

```
583
584             ' Add series to the plot area
585             MyPlotArea.Series.Add(MyPieSeries)
586
587             'Add pie series elements to the pie series
588             MyPieSeries.Elements.Add(27, "Website A")
589             MyPieSeries.Elements.Add(19, "Website B")
590             MyPieSeries.Elements.Add(21, "Website C")
591             MyPieSeries.Elements(0).Color = MyAutogradient1
592             MyPieSeries.Elements(1).Color = MyAutogradient2
593             MyPieSeries.Elements(2).Color = MyAutogradient3
594             Elements.Add(MyChart)
595         End Sub
596         Private Sub AddBarChart(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
597             AddCaptionAndRectangle(Elements, "Stacked Bar Chart", X, Y, 325, 225)
598
599             ' Create a MyChart
600             Dim MyChart As New Chart(X + 20, Y + 25, 300, 200)
601
602             ' Create a plot area
603             Dim MyPlotArea As PlotArea = MyChart.PrimaryPlotArea
604
605             ' Create header title and add it to the chartdim
606             Dim MyTitle1 As New Title("Website Visitors")
607             MyChart.HeaderTitles.Add(MyTitle1)
608
609             ' Create a indexed stacked bar series elements and add values to it
610             Dim MySeriesElement1 As New IndexedStackedBarSeriesElement("Website A")
611             MySeriesElement1.Values.Add(New Single() {5, 7, 9, 6})
612             Dim MySeriesElement2 As New IndexedStackedBarSeriesElement("Website B")
613             MySeriesElement2.Values.Add(New Single() {4, 2, 5, 8})
614             Dim MySeriesElement3 As New IndexedStackedBarSeriesElement("Website C")
615             MySeriesElement3.Values.Add(New Single() {2, 4, 6, 9})
616
617             ' Add autogradient colors to series
618             Dim MyAutogradient1 As AutoGradient = New AutoGradient(90.0F, CmykColor.Red, CmykColor.IndianRed)
619             Dim MyAutogradient2 As AutoGradient = New AutoGradient(90.0F, CmykColor.Green, CmykColor.YellowGreen)
620             Dim MyAutogradient3 As AutoGradient = New AutoGradient(90.0F, CmykColor.Blue, CmykColor.LightBlue)
621             MySeriesElement1.Color = MyAutogradient1
622             MySeriesElement2.Color = MyAutogradient2
623             MySeriesElement3.Color = MyAutogradient3
624
```

```
625
626             ' Create a Indexed Stacked Bar Series
627             Dim MyBarSeries As New IndexedStackedBarSeries()
628
629             ' Add indexed stacked bar series elements to the Indexed Stacked Bar Series
630             MyBarSeries.Add(MySeriesElement1)
631             MyBarSeries.Add(MySeriesElement2)
632             MyBarSeries.Add(MySeriesElement3)
633
634             'Add series to the plot area
635             MyPlotArea.Series.Add(MyBarSeries)
636
637             ' Create a title and add it to the xaxis
638             Dim MylTitle As New Title("Visitors (in millions)")
639             MyBarSeries.XAxis.Titles.Add(MylTitle)
640
641             'Adding AxisLabels to the yaxis
642             MyBarSeries.YAxis.Labels.Add(New IndexedYAxisLabel("Q1", 0))
643             MyBarSeries.YAxis.Labels.Add(New IndexedYAxisLabel("Q2", 1))
644             MyBarSeries.YAxis.Labels.Add(New IndexedYAxisLabel("Q3", 2))
645             MyBarSeries.YAxis.Labels.Add(New IndexedYAxisLabel("Q4", 3))
646             MyBarSeries.XAxis.Labels.Angle = -65
647             Elements.Add(MyChart)
648         End Sub
649
650
651         Private Sub AddBarCodePage(ByVal MyDocument As Document, ByVal ParentOutline As Outline)
652
653             ' Increments a page counter
654             PageCounter = PageCounter + 1
655
656             ' Adds to outlines to the page
657             ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter) + " - Other Linear Barcodes", New
    ZoomDestination(PageCounter, PageZoom.FitPage))
658
659             ' Create a page to add to the document
660             Dim MyPage As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(PageSize.Letter, PageOrientation.Portrait, 54)
661
662             ' Uncomment the line below to add a layout grid to the page
663             'page.Elements.Add( new LayoutGrid() )
664
665             ' Add the page elements to the page
```

```
            AddCodabar(MyPage.Elements, 0, 0)
            AddCode11(MyPage.Elements, 0, 88)
            AddCode128(MyPage.Elements, 0, 176)
            AddCode25(MyPage.Elements, 0, 264)
            AddCode39(MyPage.Elements, 0, 352)
            AddExtendedCode39(MyPage.Elements, 0, 440)
            AddCode93(MyPage.Elements, 0, 528)
            AddExtendedCode93(MyPage.Elements, 0, 616)

            AddIata25(MyPage.Elements, 279, 0)
            AddInterleaved25(MyPage.Elements, 279, 88)
            AddItf14(MyPage.Elements, 279, 176)
            AddMSICode(MyPage.Elements, 279, 264)
            AddEan14(MyPage.Elements, 279, 352)
            AddGs1DataBarOmnidirectional(MyPage.Elements, 279, 440)
            AddGs1DataBarLimited(MyPage.Elements, 279, 528)
            AddGs1DataBarExpanded(MyPage.Elements, 279, 616)
            MyDocument.Pages.Add(MyPage)
        End Sub

        Private Sub AddCodabar(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
            AddCaptionAndRectangle(Elements, "Codabar Barcode", X, Y, 225, 80)
            Dim MyBarCode As BarCode = New Codabar("A1234B", X, Y + 15, 48)
            MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
            MyBarCode.Y += (65 - MyBarCode.Height) / 2
            Elements.Add(MyBarCode)
        End Sub

        Private Sub AddCode128(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
            AddCaptionAndRectangle(Elements, "Code 128 Barcode", X, Y, 225, 80)
            Dim MyBarCode As BarCode = New Code128("Code 128 Barcode.", X, Y + 15, 48, 0.75F)
            MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
            MyBarCode.Y += (65 - MyBarCode.Height) / 2
            Elements.Add(MyBarCode)
        End Sub

        Private Sub AddCode25(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
            AddCaptionAndRectangle(Elements, "Code 2 of 5 Barcode", X, Y, 225, 80)
            Dim MyBarCode As BarCode = New Code25("1234567890", X, Y + 15, 48)
            MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
            MyBarCode.Y += (65 - MyBarCode.Height) / 2
            Elements.Add(MyBarCode)
```

```
        End Sub

        Private Sub AddCode39(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
            AddCaptionAndRectangle(Elements, "Code 3 of 9 Barcode", X, Y, 225, 80)
            Dim MyBarCode As BarCode = New Code39("CODE 39", X, Y + 15, 48)
            MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
            MyBarCode.Y += (65 - MyBarCode.Height) / 2
            Elements.Add(MyBarCode)
        End Sub

        Private Sub AddInterleaved25(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
            AddCaptionAndRectangle(Elements, "Interleaved 2 of 5 Barcode", X, Y, 225, 80)
            Dim MyBarCode As BarCode = New Interleaved25("1234567890", X, Y + 15, 48)
            MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
            MyBarCode.Y += (65 - MyBarCode.Height) / 2
            Elements.Add(MyBarCode)
        End Sub
        Private Sub AddIntelligentMailBarcode(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
            AddCaptionAndRectangle(Elements, "Intelligent Mail Barcode", X, Y, 225, 80)
            Dim MyBarCode As BarCode = New IntelligentMailBarCode("01234567094987654321012345678911", X, Y + 15, True)
            MyBarCode.Height = 35
            MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
            MyBarCode.Y += (65 - MyBarCode.Height) / 2
            Elements.Add(MyBarCode)
        End Sub
        Private Sub AddPostnet(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
            AddCaptionAndRectangle(Elements, "Postnet Barcode", X, Y, 225, 80)
            Dim MyBarCode As BarCode = New Postnet("20815470412", X, Y + 15)
            MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
            MyBarCode.Y += (65 - MyBarCode.Height) / 2
            Elements.Add(MyBarCode)
        End Sub

        Private Sub AddPdf417(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
            AddCaptionAndRectangle(Elements, "PDF417 Barcode", X, Y, 225, 100)
            Dim Text As Byte() = ASCIIEncoding.ASCII.GetBytes("PDF417 Barcode")
            Dim Pdfc As Pdf417 = New Pdf417(Text, X, Y + 15, 2, 2)
            Pdfc.X += (225 - Pdfc.GetSymbolWidth()) / 2
            Pdfc.Y += (85 - Pdfc.GetSymbolHeight()) / 2
            Elements.Add(Pdfc)
        End Sub

```

```
        Private Sub AddPdf417Macro(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
            AddCaptionAndRectangle(Elements, "PDF417 Macro Barcode", X, Y, 225, 100)
            Dim Data() As Byte = Nothing
            Try
                Dim MyFile As FileStream = New FileStream(Server.MapPath("../Text/Textdata.txt"), FileMode.Open,
FileAccess.Read)
                'Data = New Byte(MyFile.Length) {}
                ReDim Data(MyFile.Length - 1)
                MyFile.Read(Data, 0, MyFile.Length)
                MyFile.Close()
            Catch e As Exception
                Console.WriteLine("EXCEPTION  " + e.Message)
            End Try

            ' Create a MacroPdf417
            Dim MyMacroPdf417 As MacroPdf417 = New MacroPdf417(Data, X, Y + 15, 10, 15, 0.9F)
            MyMacroPdf417.X += (225 - MyMacroPdf417.GetSymbolWidth()) / 2
            MyMacroPdf417.Y += (85 - MyMacroPdf417.GetSymbolHeight()) / 2

            ' Add macroPdf417 to page
            Elements.Add(MyMacroPdf417)

            ' Retrieve the overflow barcode and place it at the appropriate location on the page
            MyMacroPdf417 = MyMacroPdf417.GetOverflowMacroPdf417(X, Y + 124)
            MyMacroPdf417.X += (225 - MyMacroPdf417.GetSymbolWidth()) / 2
            MyMacroPdf417.Y += (85 - MyMacroPdf417.GetSymbolHeight()) / 2
            AddCaptionAndRectangle(Elements, "PDF417 Overflow Macro Barcode", X, Y + 108, 225, 100)
            Elements.Add(MyMacroPdf417)
        End Sub
        Private Sub AddDataMatrixBarcode(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
            AddCaptionAndRectangle(Elements, "Data Matrix Barcode", X, Y, 225, 100)
            Dim text As String = "The photograph attached was taken by the crew on board the Columbia."

            ' Create a data matrix bar code
            Dim MyDataMatrixBarcode As DataMatrixBarcode = New DataMatrixBarcode(text, X, Y + 15, DataMatrixSymbolSize.R32xC32,
DataMatrixEncodingType.Auto)
            MyDataMatrixBarcode.XDimension = 2
            MyDataMatrixBarcode.X += (225 - MyDataMatrixBarcode.GetSymbolWidth()) / 2
            MyDataMatrixBarcode.Y += (85 - MyDataMatrixBarcode.GetSymbolHeight()) / 2

            ' Add data matrix barcode to the page
            Elements.Add(MyDataMatrixBarcode)
```

```
            Y = Y + 108
            AddCaptionAndRectangle(Elements, "Data Matrix Overflow Barcode", X, Y, 225, 100)

            ' Retrieve the overflow barcode and place it at the appropriate location on the page
            MyDataMatrixBarcode = MyDataMatrixBarcode.GetOverFlowDataMatrixBarcode(X, Y + 15)
            'MyDataMatrixBarcode.XDimension = 1.75F
            MyDataMatrixBarcode.X += (225 - MyDataMatrixBarcode.GetSymbolWidth()) / 2
            MyDataMatrixBarcode.Y += (85 - MyDataMatrixBarcode.GetSymbolHeight()) / 2
            Elements.Add(MyDataMatrixBarcode)
        End Sub
        Private Sub AddQrCode(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
            AddCaptionAndRectangle(Elements, "QR Code", X, Y, 225, 100)
            Dim Text As Byte() = ASCIIEncoding.ASCII.GetBytes("QR Code Barcode")
            Dim qrCode As QrCode = New QrCode(Text, X, Y + 15)
            qrCode.XDimension = 2.5F
            qrCode.X += (225 - qrCode.GetSymbolWidth()) / 2
            qrCode.Y += (85 - qrCode.GetSymbolHeight()) / 2
            Elements.Add(qrCode)
        End Sub
        Private Sub AddUPCEANPage(ByVal MyDocument As Document, ByVal ParentOutline As Outline)
            ' Increments a page counter
            PageCounter = PageCounter + 1

            ' Adds to outlines to the page
            ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter) + " - UPC/EAN/JAN Barcodes", New
ZoomDestination(PageCounter, PageZoom.FitPage))

            ' Create a page to add to the document
            Dim MyPage As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(PageSize.Letter, PageOrientation.Landscape, 54)

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

            ' Add the page elements to the page
            AddEAN13(MyPage.Elements, 0, 0)
            AddEAN13Sup2(MyPage.Elements, 240, 0)
            AddEAN13Sup5(MyPage.Elements, 480, 0)
            AddUPCVersionA(MyPage.Elements, 0, 135)
            AddUPCVersionASup2(MyPage.Elements, 240, 135)
            AddUPCVersionASup5(MyPage.Elements, 480, 135)
            AddEAN8(MyPage.Elements, 0, 270)
            AddEAN8Sup2(MyPage.Elements, 240, 270)
```

```
831             AddEAN8Sup5(MyPage.Elements, 480, 270)
832             AddUPCVersionE(MyPage.Elements, 0, 405)
833             AddUPCVersionESup2(MyPage.Elements, 240, 405)
834             AddUPCVersionESup5(MyPage.Elements, 480, 405)
835             ' Add the page to the document
836             MyDocument.Pages.Add(MyPage)
837         End Sub
838 
839         Private Sub AddEAN13(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
840             AddCaptionAndRectangle(Elements, "EAN/JAN 13 Barcode", X, Y, 204, 99)
841             Dim MyBarCode As BarCode = New Ean13("123456789012", X, Y + 21)
842             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
843             Elements.Add(MyBarCode)
844         End Sub
845 
846         Private Sub AddEAN13Sup2(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
847             AddCaptionAndRectangle(Elements, "EAN/JAN 13 Barcode, 2 digit supplement", X, Y, 204, 99)
848             Dim MyBarCode As BarCode = New Ean13Sup2("12345678901212", X, Y + 21)
849             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
850             Elements.Add(MyBarCode)
851         End Sub
852 
853         Private Sub AddEAN13Sup5(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
854             AddCaptionAndRectangle(Elements, "EAN/JAN 13 Barcode, 5 digit supplement", X, Y, 204, 99)
855             Dim MyBarCode As BarCode = New Ean13Sup5("123456789012123 45", X, Y + 21)
856             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
857             Elements.Add(MyBarCode)
858         End Sub
859 
860         Private Sub AddUPCVersionA(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
861             AddCaptionAndRectangle(Elements, "UPC Version A Barcode", X, Y, 204, 99)
862             Dim MyBarCode As BarCode = New UpcVersionA("12345678901", X, Y + 21)
863             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
864             Elements.Add(MyBarCode)
865         End Sub
866 
867         Private Sub AddUPCVersionASup2(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
868             AddCaptionAndRectangle(Elements, "UPC Version A Barcode, 2 digit supplement", X, Y, 204, 99)
869             Dim MyBarCode As BarCode = New UpcVersionASup2("1234567890112", X, Y + 21)
870             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
871             Elements.Add(MyBarCode)
872         End Sub
```

```
873
874         Private Sub AddUPCVersionASup5(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
875             AddCaptionAndRectangle(Elements, "UPC Version A Barcode, 5 digit supplement", X, Y, 204, 99)
876             Dim MyBarCode As BarCode = New UpcVersionASup5("1234567890112345", X, Y + 21)
877             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
878             Elements.Add(MyBarCode)
879         End Sub
880
881         Private Sub AddEAN8(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
882             AddCaptionAndRectangle(Elements, "EAN/JAN 8 Barcode", X, Y, 204, 99)
883             Dim MyBarCode As BarCode = New Ean8("12345670", X, Y + 21)
884             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
885             Elements.Add(MyBarCode)
886         End Sub
887
888         Private Sub AddEAN8Sup2(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
889             AddCaptionAndRectangle(Elements, "EAN/JAN 8 Barcode, 2 digit supplement", X, Y, 204, 99)
890             Dim MyBarCode As BarCode = New Ean8Sup2("1234567012", X, Y + 21)
891             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
892             Elements.Add(MyBarCode)
893         End Sub
894
895         Private Sub AddEAN8Sup5(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
896             AddCaptionAndRectangle(Elements, "EAN/JAN 8 Barcode, 5 digit supplement", X, Y, 204, 99)
897             Dim MyBarCode As BarCode = New Ean8Sup5("1234567012345", X, Y + 21)
898             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
899             Elements.Add(MyBarCode)
900         End Sub
901
902         Private Sub AddUPCVersionE(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
903             AddCaptionAndRectangle(Elements, "UPC Version E Barcode", X, Y, 204, 99)
904             Dim MyBarCode As BarCode = New UpcVersionE("0123456", X, Y + 21)
905             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
906             Elements.Add(MyBarCode)
907         End Sub
908
909         Private Sub AddUPCVersionESup2(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
910             AddCaptionAndRectangle(Elements, "UPC Version E Barcode, 2 digit supplement", X, Y, 204, 99)
911             Dim MyBarCode As BarCode = New UpcVersionESup2("012345612", X, Y + 21)
912             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
913             Elements.Add(MyBarCode)
914         End Sub
```

```
915
916         Private Sub AddUPCVersionESup5(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
917             AddCaptionAndRectangle(Elements, "UPC Version E Barcode, 5 digit supplement", X, Y, 204, 99)
918             Dim MyBarCode As BarCode = New UpcVersionESup5("012345612345", X, Y + 21)
919             MyBarCode.X += (204 - MyBarCode.GetSymbolWidth()) / 2
920             Elements.Add(MyBarCode)
921         End Sub
922
923         Private Sub AddPageElementPage(ByVal MyDocument As Document, ByVal ParentOutline As Outline)
924             ' Increments a page counter
925             PageCounter = PageCounter + 1
926
927             ' Adds to outlines to the page
928             Dim PageOutline As Outline = ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter))
929             PageOutline.ChildOutlines.Add("Zoom - Fit Page", New ZoomDestination(PageCounter, PageZoom.FitPage))
930             PageOutline.ChildOutlines.Add("Zoom - Fit Width", New ZoomDestination(PageCounter, PageZoom.FitWidth))
931
932             ' Create a page to add to the document
933             Dim MyPage As Page = New Page(PageSize.Letter, PageOrientation.Portrait, 54)
934
935             ' Uncomment the line below to add a layout grid to the page
936             'page.Elements.Add( new LayoutGrid() )
937
938             ' Add the page elements to the page
939             AddHeader(MyPage.Elements)
940             AddBookmark(MyPage.Elements, 0, 41, PageOutline)
941             AddCircle(MyPage.Elements, 279, 41)
942             AddHtmlArea(MyPage.Elements, 0, 134)
943             AddImage(MyPage.Elements, 0, 227)
944             AddLabel(MyPage.Elements, 279, 227)
945             AddLine(MyPage.Elements, 0, 320)
946             AddLink(MyPage.Elements, 279, 320)
947             AddPath(MyPage.Elements, 0, 413)
948             AddRectangle(MyPage.Elements, 279, 413)
949             AddTextArea(MyPage.Elements, 0, 506)
950             AddCustom(MyPage.Elements, 0, 599)
951             AddNote(MyPage.Elements, 279, 599)
952
953             ' Add the page to the document
954             MyDocument.Pages.Add(MyPage)
955         End Sub
956
```

```
957         Private Sub AddHeader(ByVal PageElements As Group)
958             ' Adds a header to the pageElements
959             Dim FormattedText As String = "<i>Dynamic</i><b>PDF</b> Generator for .NET has over 50 built-in page " + _
960                 "elements. Custom page elements can be built by creating a class that inherits from " + _
961                 "<b>ceTe.DynamicPDF.PageElement</b>."
962             Dim MyFormattedTextArea As FormattedTextArea = New FormattedTextArea(FormattedText, 0, 0, 520, 450,
FontFamily.Helvetica, 12, False)
963             MyFormattedTextArea.Style.Paragraph.Align = TextAlign.Center
964             PageElements.Add(MyFormattedTextArea)
965         End Sub
966
967         Private Sub AddBookmark(ByVal PageElements As Group, ByVal X As Single, ByVal y As Single, ByVal ParentOutline As
Outline)
968             ' Adds a bookmark to the page
969             AddCaptionAndRectangle(PageElements, "Bookmark Page Element", X, y)
970             PageElements.Add(New Bookmark("Bookmarked Text", X + 5, y + 20, ParentOutline))
971             PageElements.Add(New Label("This text is bookmarked.", X + 5, y + 20, 215, 10, Font.TimesRoman, 10))
972         End Sub
973
974         Private Sub AddCircle(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
975             ' Adds a circlt to the pageElements
976             AddCaptionAndRectangle(PageElements, "Circle Page Element", X, Y)
977             PageElements.Add(New Circle(X + 112.5F, Y + 50.0F, 107.5F, 30.0F, RgbColor.Red, RgbColor.Blue, 2,
LineStyle.DashLarge))
978         End Sub
979         Private Sub AddHtmlArea(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
980             ' Adds an HTML text area to the pageElements
981             Dim MyUri As Uri = New Uri((Server.MapPath("../Html/AllPageElementSample.html")))
982
983             Dim MyHtmlArea As HtmlArea = New HtmlArea(MyUri, X + 5, Y + 20, 215, 70)
984             ' Sets the indent property
985             AddCaptionAndRectangle(PageElements, "HtmlArea Page Element", X, Y)
986             AddCaptionAndRectangle(PageElements, "HtmlArea Overflow Text", X + 279, Y)
987             PageElements.Add(MyHtmlArea)
988             ' Set the html area object equal to the rest of the html area that did not fit
989             ' if all the html area did fit, GetOverflowHtmlArea will return null
990             Dim OverflowFormattedTextArea As HtmlArea = MyHtmlArea.GetOverflowHtmlArea(X + 284, Y + 20, 70)
991             PageElements.Add(OverflowFormattedTextArea)
992         End Sub
993
994         Private Sub AddImage(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
995             ' Adds an image to the pageElements
```

```
996             AddCaptionAndRectangle(PageElements, "Image Page Element", X, Y)
997             Dim MyImage As Image = New Image(Server.MapPath("../Images/DPDFLogo.png"), X + 112.5F, Y + 50.0F, 0.24F)
998             ' Image is sized and centered in the rectangle
999             MyImage.SetBounds(215, 60)
1000            MyImage.VAlign = VAlign.Center
1001            MyImage.Align = Align.Center
1002            PageElements.Add(MyImage)
1003        End Sub
1004
1005        Private Sub AddLabel(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1006            ' Adds a label to the pageElements
1007            AddCaptionAndRectangle(PageElements, "Label  and PageNumberingLabel Page Elements", X, Y)
1008            Dim LabelText As String = "Labels can be rotated"
1009            Dim NumberText As String = "PageNumberingLabels contain page numbering: %%CP%% of %%TP%% pages."
1010            Dim MyLabel As Label = New Label(LabelText, X + 5, Y + 12, 220, 80, Font.TimesRoman, 12, TextAlign.Center)
1011            MyLabel.Angle = 8
1012            Dim PageNumLabel As PageNumberingLabel = New PageNumberingLabel(NumberText, X + 5, Y + 55, 220, 80, Font.TimesRoman,
12, TextAlign.Center)
1013            PageElements.Add(PageNumLabel)
1014            PageElements.Add(MyLabel)
1015        End Sub
1016
1017        Private Sub AddLine(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1018            ' Adds a line to the pageElements
1019            AddCaptionAndRectangle(PageElements, "Line Page Element", X, Y)
1020            PageElements.Add(New Line(X + 5, Y + 20, X + 220, Y + 80, 3, RgbColor.Green))
1021            PageElements.Add(New Line(X + 220, Y + 20, X + 5, Y + 80, 3, RgbColor.Green))
1022        End Sub
1023
1024        Private Sub AddLink(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1025            ' Adds a link to the pageElements
1026            Dim MyFont As Font = Font.TimesRoman
1027            Dim Text As String = "This is a link to DynamicPDF.com."
1028            AddCaptionAndRectangle(PageElements, "Link Page Element", X, Y)
1029            Dim MyLabel As Label = New Label(Text, X + 5, Y + 20, 215, 80, MyFont, 12, RgbColor.Blue)
1030            MyLabel.Underline = True
1031            Dim link As Link = New Link(X + 5, Y + 20, MyFont.GetTextWidth(Text, 12), 12 - MyFont.GetDescender(12), New
UrlAction("http://www.dynamicpdf.com"))
1032            PageElements.Add(MyLabel)
1033            PageElements.Add(link)
1034        End Sub
1035
```

```
1036        Private Sub AddPath(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1037            ' Adds a path to the pageElements
1038            Dim MyPath As ceTe.DynamicPDF.PageElements.Path = New ceTe.DynamicPDF.PageElements.Path(X + 5, Y + 20,
    RgbColor.Blue, RgbColor.Red, 2, LineStyle.Solid, True)
1039            MyPath.SubPaths.Add(New LineSubPath(X + 215, Y + 40))
1040            MyPath.SubPaths.Add(New CurveToSubPath(X + 108, Y + 80, X + 160, Y + 80))
1041            MyPath.SubPaths.Add(New CurveSubPath(X + 5, Y + 40, X + 65, Y + 80, X + 5, Y + 60))
1042            AddCaptionAndRectangle(PageElements, "Path Page Element", X, Y)
1043            PageElements.Add(MyPath)
1044        End Sub
1045
1046        Private Sub AddRectangle(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1047            ' Adds a rectangle to the pageElements
1048            AddCaptionAndRectangle(PageElements, "Rectangle Page Element", X, Y)
1049            PageElements.Add(New Rectangle(X + 5, Y + 20, 215, 60, RgbColor.Green, RgbColor.Blue, 2))
1050        End Sub
1051
1052        Private Sub AddTextArea(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1053            ' Adds a text area to the pageElements
1054            Dim Text As String = "The TextArea page element is great for efficient processign of text that does " + _
1055              "not require advanced formatting. It offers basic control over leading and paragraph spacing and " + _
1056              "include text continuation functionality. If all the text does not fit within the bounds of " + _
1057              "the TextArea the HasOverflowText method will return a true value. The GetOverflowTextArea " + _
1058              "method can then be called to create a new TextArea with the remaining text. This " + _
1059              "functionality makes it simple to span large amounts of text over multiple TextAreas and pages. Text can also be
    rotated."
1060            AddCaptionAndRectangle(PageElements, "TextArea Page Element", X, Y)
1061            AddCaptionAndRectangle(PageElements, "TextArea Overflow Text", X + 279, Y)
1062            Dim MyTextArea As TextArea = New TextArea(Text, X + 5, Y + 20, 215, 60, Font.TimesRoman, 10)
1063            ' Create an overflow text area for the overflow text
1064            Dim OverflowTextArea As TextArea = MyTextArea.GetOverflowTextArea(X + 284, Y + 20)
1065            PageElements.Add(MyTextArea)
1066            PageElements.Add(OverflowTextArea)
1067        End Sub
1068
1069        Private Sub AddCustom(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1070            ' Adds a custom page element to the page
1071            AddCaptionAndRectangle(PageElements, "Custom Page Element", X, Y)
1072            PageElements.Add(New StopSign(80, Y + 20, 60, 60))
1073        End Sub
1074
1075        Private Sub AddNote(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
```

```
            ' Add a note element to the page
            AddCaptionAndRectangle(PageElements, "Note Page Element", X, Y)
            PageElements.Add(New Note("This is a note", X + 100, Y + 35, 50, 50, NoteType.Note))
        End Sub

        Private Sub AddTableAndOther(ByVal MyDocument As Document, ByVal ParentOutline As Outline)
            ' Increments a page counter
            PageCounter = PageCounter + 1

            ' Adds to outlines to the page
            ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter) + " - Table and Additional Page Elements", New
ZoomDestination(PageCounter, PageZoom.FitPage))

            ' Create a page to add to the document
            Dim MyPage As Page = New Page(PageSize.Letter, PageOrientation.Portrait, 54)

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

            ' Add the Table and other elements to the page
            AddTable(MyPage.Elements, 0, 0)
            AddListElements(MyPage, 0, 225)
            AddAdditional(MyPage.Elements, 0, 500)

            ' Add the page to the document
            MyDocument.Pages.Add(MyPage)
        End Sub

        Private Sub AddTable(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
            Dim CaptionLabel1 As Label = New Label("Table Page Element", X, Y, 225, 10, Font.HelveticaBold, 10)
            PageElements.Add(CaptionLabel1)
            Dim CaptionLabel2 As Label = New Label("Table Row Overflow", X + 279, Y, 225, 10, Font.HelveticaBold, 10)
            PageElements.Add(CaptionLabel2)
            Dim MyTable As Table2 = New Table2(X, Y + 15, 225, 190, Font.TimesRoman, 10)
            MyTable.RepeatColumnHeaderCount = 1

            ' Add columns to the table
            MyTable.Columns.Add(95)
            MyTable.Columns.Add(65)
            MyTable.Columns.Add(65)

            ' Add the Header Row to the table
```

```
            Dim Row1 As Row2 = MyTable.Rows.Add(40, Font.HelveticaBold, 12, RgbColor.Black, RgbColor.LightBlue)
            Row1.CellDefault.Align = TextAlign.Center
            Row1.CellDefault.VAlign = VAlign.Center
            Row1.Cells.Add("Header 1")
            Row1.Cells.Add("Header 2")
            Row1.Cells.Add("Header 3")
            Row1.Cells.Add("Header 4")
            Row1.Cells.Add("Header 5")
            Row1.Cells.Add("Header 6")
            Row1.Cells.Add("Header 7")
            Row1.Cells.Add("Header 8")
            Row1.Cells.Add("Header 9")
            Row1.Cells.Add("Header 10")
            Row1.Cells.Add("Header 11")
            Row1.Cells.Add("Header 12")
            Row1.Cells.Add("Header 13")
            Row1.Cells.Add("Header 14")
            Row1.Cells.Add("Header 15")
            Row1.Cells.Add("Header 16")

            Dim Cell As Integer = 0
            ' Add the rest of the rows to the table
            AddRow(MyTable, Cell, 1)
            AddRow(MyTable, Cell, 2)
            AddRow(MyTable, Cell, 3)
            AddRow(MyTable, Cell, 4)
            AddRow(MyTable, Cell, 5)
            AddRow(MyTable, Cell, 6)
            AddRow(MyTable, Cell, 7)
            AddRow(MyTable, Cell, 8)
            AddRow(MyTable, Cell, 9)
            AddRow(MyTable, Cell, 10)
            AddRow(MyTable, Cell, 11)
            AddRow(MyTable, Cell, 12)
            AddRow(MyTable, Cell, 13)
            AddRow(MyTable, Cell, 14)
            AddRow(MyTable, Cell, 15)
            AddRow(MyTable, Cell, 16)

            ' Create an overflow table for the overflow columns
            Dim OverflowTable As Table2 = MyTable.GetOverflowRows(X + 279, Y + 15)
            PageElements.Add(MyTable)
```

```
            PageElements.Add(OverflowTable)
        End Sub

        Private Sub AddRow(ByVal MyTable As Table2, ByRef CellNum As Integer, ByVal RowNum As Integer)
            Dim MyRow As Row2 = MyTable.Rows.Add()
            Dim MyCell As Cell2 = MyRow.Cells.Add("RowHeader " + CStr(RowNum), Font.HelveticaBold, 12, _
                    RgbColor.Black, RgbColor.LightPink, 1)
            MyCell.Align = TextAlign.Center
            MyCell.VAlign = VAlign.Center
            CellNum = CellNum + 1
            MyRow.Cells.Add("Item " + CStr(CellNum))
            CellNum = CellNum + 1
            MyRow.Cells.Add("Item " + CStr(CellNum))
        End Sub

        Private Sub AddAdditional(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
            ' Adds text explaining the additional page elements
            Dim Text As String = "An <b><u>AreaGroup</u></b> represents a group of page elements with an area.<p/>" + _
              "A <b><u>BackgroundImage</u></b> page element is used to add an image to the background of a page. <p/>" + _
              "The <b><u>Group</u></b> page element is used for grouping page elements together.<p/>" + _
              "The <b><u>LayoutGrid</u></b> draws a coordinate grid to the page.<p/>" + _
              "A <b><u>TransformationGroup</u></b> can rotate and scale a group of page elements.<p/>" + _
              "A <b><u>TransparencyGroup</u></b> can be used to add transparency to page elements.<p/>" + _
              "An <b><u>Anchor Group </u></b> can have Page Elements within it. It can be anchored to the edge or margins of the
page.<p/>"
            Dim MyFormattedTextArea As FormattedTextArea = New FormattedTextArea(Text, X + 5, Y + 20, 494, 180,
FontFamily.Times, 12, False)
            MyFormattedTextArea.Style.Paragraph.SpacingAfter = 5
            AddCaptionAndRectangle(PageElements, "Additional Page Elements", X, Y, 504, 180)
            PageElements.Add(MyFormattedTextArea)
        End Sub

        Private Sub AddCaptionAndRectangle(ByVal PageElements As Group, ByVal Caption As String, ByVal X As Single, ByVal Y As
Single, ByVal Width As Single, ByVal Height As Single)
            ' Adds a rectangle and caption to the pageElements
            Dim MyRectangle As Rectangle = New Rectangle(X, Y + 15, Width, Height - 15)
            Dim CaptionLabel As Label = New Label(Caption, X, Y, 225, 10, Font.HelveticaBold, 10)
            PageElements.Add(MyRectangle)
            PageElements.Add(CaptionLabel)
        End Sub

```

```
1197        Private Sub AddCaptionAndRectangle(ByVal PageElements As Group, ByVal Caption As String, ByVal X As Single, ByVal Y As
    Single)
1198            AddCaptionAndRectangle(PageElements, Caption, X, Y, 225, 85)
1199        End Sub
1200
1201        Private Sub AddFormElementPage(ByVal MyDocument As Document, ByVal ParentOutline As Outline)
1202            PageCounter = PageCounter + 1
1203            ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter) + " - Form Page Elements", New
    ZoomDestination(PageCounter, PageZoom.FitPage))
1204            ' Create a page to add to the document
1205            Dim MyPage As Page = New Page(PageSize.Letter, PageOrientation.Portrait, 54)
1206            AddTextField(MyPage.Elements, 0, 0)
1207            AddComboField(MyPage.Elements, 0, 105)
1208            AddListField(MyPage.Elements, 0, 210)
1209            AddRadioField(MyPage.Elements, 0, 315)
1210            AddCheckBoxField(MyPage.Elements, 0, 420)
1211            AddButtonField(MyPage.Elements, 0, 525)
1212            ' Add the page to the document
1213            MyDocument.Pages.Add(MyPage)
1214        End Sub
1215
1216        Private Sub AddListElements(ByVal MyPage As Page, ByVal X As Single, ByVal Y As Single)
1217            Dim MyOrderedList As OrderedList = New OrderedList(X + 5, Y + 20, 400, 90, Font.Helvetica, 10,
    NumberingStyle.Numeric)
1218            MyOrderedList.Items.Add("Fruits")
1219            MyOrderedList.Items.Add("Vegetables")
1220
1221            Dim MyOrderedSubList As OrderedSubList =
    MyOrderedList.Items(0).SubLists.AddOrderedSubList(NumberingStyle.RomanUpperCase)
1222            MyOrderedSubList.Items.Add("Citrus")
1223            MyOrderedSubList.Items.Add("Non-Citrus")
1224
1225            AddCaptionAndRectangle(MyPage.Elements, "Ordered List Page Element", X, Y, 225, 110)
1226            Dim MyOrderedSubList2 As OrderedSubList =
    MyOrderedList.Items(1).SubLists.AddOrderedSubList(NumberingStyle.RomanUpperCase)
1227            MyOrderedSubList2.Items.Add("Potato")
1228            MyOrderedSubList2.Items.Add("Beans")
1229
1230            Dim MySubOrderedSubList1 As OrderedSubList =
    MyOrderedSubList.Items(0).SubLists.AddOrderedSubList(NumberingStyle.RomanLowerCase)
1231            MySubOrderedSubList1.Items.Add("Lime")
1232            MySubOrderedSubList1.Items.Add("Orange")
1233
```

```
1234            Dim MySubOrderedSubList2 As OrderedSubList =

1235            MySubOrderedSubList2.Items.Add("Mango")
1236            MySubOrderedSubList2.Items.Add("Banana")
1237
1238            Dim MySubOrderedSubList3 As OrderedSubList =
MyOrderedSubList2.Items(0).SubLists.AddOrderedSubList(NumberingStyle.RomanLowerCase)
1239            MySubOrderedSubList3.Items.Add("Sweet Potato")
1240
1241            Dim MySubOrderedSubList4 As OrderedSubList =
MyOrderedSubList2.Items(1).SubLists.AddOrderedSubList(NumberingStyle.RomanLowerCase)
1242            MySubOrderedSubList4.Items.Add("String Bean")
1243            MySubOrderedSubList4.Items.Add("Lima Bean")
1244            MySubOrderedSubList4.Items.Add("Kidney Bean")
1245
1246            MyPage.Elements.Add(MyOrderedList)
1247            X = X + 279
1248
1249            ' Get the overflow from the ordered list
1250            MyOrderedList = MyOrderedList.GetOverFlowList(X + 5, Y + 20)
1251            AddCaptionAndRectangle(MyPage.Elements, "Ordered List Page Element Overflow", X, Y, 225, 110)
1252            MyPage.Elements.Add(MyOrderedList)
1253
1254            X = 0
1255            Y += 138
1256
1257            ' Create unordered list
1258            Dim MyUnorderedList As UnorderedList = New UnorderedList(X + 5, Y + 20, 400, 90, Font.Helvetica, 10)
1259            MyUnorderedList.Items.Add("Fruits")
1260            MyUnorderedList.Items.Add("Vegetables")
1261
1262            Dim MyUnorderedSubList As UnorderedSubList = MyUnorderedList.Items(0).SubLists.AddUnorderedSubList()
1263            MyUnorderedSubList.Items.Add(" Citrus")
1264            MyUnorderedSubList.Items.Add(" Non-Citrus")
1265
1266            AddCaptionAndRectangle(MyPage.Elements, "Unordered List Page Element", X, Y, 225, 110)
1267
1268            Dim MyUnorderedSubList2 As UnorderedSubList = MyUnorderedList.Items(1).SubLists.AddUnorderedSubList()
1269            MyUnorderedSubList2.Items.Add("Potato")
1270            MyUnorderedSubList2.Items.Add("Beans")
1271
1272            Dim MySubUnorderedSubList As UnorderedSubList = MyUnorderedSubList.Items(0).SubLists.AddUnorderedSubList()
```

```
1273            MySubUnorderedSubList.Items.Add("Lime")
1274            MySubUnorderedSubList.Items.Add("Orange")
1275
1276            Dim MySubUnorderedSubList2 As UnorderedSubList = MyUnorderedSubList.Items(1).SubLists.AddUnorderedSubList()
1277            MySubUnorderedSubList2.Items.Add("Mango")
1278            MySubUnorderedSubList2.Items.Add("Banana")
1279
1280            Dim MySubUnorderedSubList3 As UnorderedSubList = MyUnorderedSubList2.Items(0).SubLists.AddUnorderedSubList()
1281            MySubUnorderedSubList3.Items.Add("Sweet Potato")
1282
1283            Dim MySubUnorderedSubList4 As UnorderedSubList = MyUnorderedSubList2.Items(1).SubLists.AddUnorderedSubList()
1284            MySubUnorderedSubList4.Items.Add("String Bean")
1285            MySubUnorderedSubList4.Items.Add("Lima Bean")
1286            MySubUnorderedSubList4.Items.Add("Kidney Bean")
1287
1288            X = X + 279
1289            MyPage.Elements.Add(MyUnorderedList)
1290
1291            ' Get the overflow from the unordered list
1292            MyUnorderedList = MyUnorderedList.GetOverFlowList(X + 5, Y + 20)
1293            AddCaptionAndRectangle(MyPage.Elements, "Unordered List Page Element Overflow", X, Y, 225, 110)
1294            MyPage.Elements.Add(MyUnorderedList)
1295        End Sub
1296
1297        Private Sub AddTextField(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1298            Dim Txt As TextField = New TextField("txtfname", X + 20, Y + 40, 120, 20)
1299            Txt.DefaultValue = "This is a Scrollable TextField"
1300            Txt.BorderColor = RgbColor.Black
1301            Txt.BackgroundColor = RgbColor.AliceBlue
1302            Txt.ToolTip = "Scrollable"
1303            PageElements.Add(Txt)
1304
1305            Dim Txt1 As TextField = New TextField("txtf1name", X + 175, Y + 40, 120, 20)
1306            Txt1.DefaultValue = "TextField"
1307            Txt1.Password = True
1308            Txt1.MaxLength = 9
1309            Txt1.BorderColor = RgbColor.Black
1310            Txt1.BackgroundColor = RgbColor.AliceBlue
1311            Txt1.ToolTip = "Password with Maximum Length"
1312            PageElements.Add(Txt1)
1313
1314            Dim Txt2 As TextField = New TextField("txtf2name", X + 330, Y + 30, 150, 40)
```

```
1315            Txt2.DefaultValue = "This is a TextField which goes to the next line if the text exceeds width"
1316            Txt2.MultiLine = True
1317            Txt2.BorderColor = RgbColor.Black
1318            Txt2.BackgroundColor = RgbColor.AliceBlue
1319            Txt2.ToolTip = "Multiline"
1320            PageElements.Add(Txt2)
1321
1322            AddCaptionAndRectangle(PageElements, "TextField Form Page Element", X, Y, 504, 85)
1323        End Sub
1324
1325        Private Sub AddComboField(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1326            Dim MyComboBox As ComboBox = New ComboBox("cmbname", X + 51, Y + 40, 150, 20)
1327            MyComboBox.BorderColor = RgbColor.Black
1328            MyComboBox.BackgroundColor = RgbColor.AliceBlue
1329            MyComboBox.Font = Font.Helvetica
1330            MyComboBox.FontSize = 15
1331            MyComboBox.Items.Add("Item 1")
1332            MyComboBox.Items.Add("Item 2")
1333            MyComboBox.Items.Add("Item 3")
1334            MyComboBox.Items.Add("Item 4")
1335            MyComboBox.Items.Add("Editable")
1336            MyComboBox.Items("Editable").Selected = True
1337            MyComboBox.Editable = True
1338            MyComboBox.ToolTip = "Editable Combo Box"
1339            PageElements.Add(MyComboBox)
1340
1341            Dim MyComboBox2 As ComboBox = New ComboBox("cmb1name", X + 303, Y + 40, 150, 20)
1342            MyComboBox2.BorderColor = RgbColor.Black
1343            MyComboBox2.BackgroundColor = RgbColor.AliceBlue
1344            MyComboBox2.Font = Font.Helvetica
1345            MyComboBox2.FontSize = 15
1346            MyComboBox2.Items.Add("Item 1")
1347            MyComboBox2.Items.Add("Item 2")
1348            MyComboBox2.Items.Add("Item 3")
1349            MyComboBox2.Items.Add("Item 4")
1350            MyComboBox2.Items.Add("Non Editable")
1351            MyComboBox2.Items("Non Editable").Selected = True
1352            MyComboBox2.Editable = False
1353            MyComboBox2.ToolTip = "Non Editable Combo Box"
1354            PageElements.Add(MyComboBox2)
1355
1356            AddCaptionAndRectangle(PageElements, "ComboBox Form Page Element", X, Y, 504, 85)
```

```
1357        End Sub
1358
1359        Private Sub AddListField(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1360            Dim MyListBox As ListBox = New ListBox("lbname", X + 51, Y + 30, 150, 40)
1361            MyListBox.BorderColor = RgbColor.Black
1362            MyListBox.BackgroundColor = RgbColor.AliceBlue
1363            MyListBox.Font = Font.Helvetica
1364            MyListBox.FontSize = 15
1365            MyListBox.Items.Add("Item 1")
1366            MyListBox.Items.Add("Item 2")
1367            MyListBox.Items.Add("Item 3")
1368            MyListBox.Items.Add("Item 4")
1369            MyListBox.Items.Add("Non MultiSelect")
1370            MyListBox.Items("Non MultiSelect").Selected = True
1371            MyListBox.Multiselect = False
1372            MyListBox.ToolTip = "Simple List Box"
1373            PageElements.Add(MyListBox)
1374
1375            Dim MyListBox2 As ListBox = New ListBox("lb1name", X + 303, Y + 30, 150, 40)
1376            MyListBox2.BorderColor = RgbColor.Black
1377            MyListBox2.BackgroundColor = RgbColor.AliceBlue
1378            MyListBox2.Font = Font.Helvetica
1379            MyListBox2.FontSize = 15
1380            MyListBox2.Items.Add("Item 1")
1381            MyListBox2.Items.Add("Item 2")
1382            MyListBox2.Items.Add("Item 3")
1383            MyListBox2.Items.Add("Item 4")
1384            MyListBox2.Items("Item 1").Selected = True
1385            MyListBox2.Items.Add("MultiSelect")
1386            MyListBox2.Items("MultiSelect").Selected = True
1387            MyListBox2.Multiselect = True
1388            MyListBox2.ToolTip = "MultiSelect List Box"
1389            PageElements.Add(MyListBox2)
1390
1391            AddCaptionAndRectangle(PageElements, "ListBox Form Page Element", X, Y, 504, 85)
1392        End Sub
1393
1394        Private Sub AddRadioField(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1395            Dim MyRadioButton As RadioButton = New RadioButton("rbname", X + 40, Y + 42, 12, 12)
1396            MyRadioButton.DefaultChecked = True
1397            MyRadioButton.BackgroundColor = RgbColor.AliceBlue
1398            MyRadioButton.TextColor = RgbColor.Red
```

```
            MyRadioButton.ExportValue = "Radio1"
            Dim MyLabel As Label = New Label("Monthly", X + 75, Y + 43, 60, 15)
            PageElements.Add(MyRadioButton)
            PageElements.Add(MyLabel)

            Dim MyRadioButton2 As RadioButton = New RadioButton("rbname", X + 195, Y + 42, 12, 12)
            MyRadioButton2.BackgroundColor = RgbColor.AliceBlue
            MyRadioButton2.TextColor = RgbColor.Green
            MyRadioButton2.ExportValue = "Radio2"
            Dim MyLabel2 As Label = New Label("Quarterly", X + 235, Y + 43, 60, 15)
            PageElements.Add(MyRadioButton2)
            PageElements.Add(MyLabel2)

            Dim MyRadioButton3 As RadioButton = New RadioButton("rbname", X + 350, Y + 42, 12, 12)
            MyRadioButton3.BackgroundColor = RgbColor.AliceBlue
            MyRadioButton3.TextColor = RgbColor.Blue
            MyRadioButton3.ExportValue = "Radio3"
            Dim MyLabel3 As Label = New Label("Yearly", X + 385, Y + 43, 60, 15)
            PageElements.Add(MyRadioButton3)
            PageElements.Add(MyLabel3)

            AddCaptionAndRectangle(PageElements, "RadioButton Form Page Element", X, Y, 504, 85)
        End Sub

        Private Sub AddCheckBoxField(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
            Dim MyCheckBox As CheckBox = New CheckBox("cbxname", X + 40, Y + 42, 15, 15)
            MyCheckBox.Symbol = ceTe.DynamicPDF.PageElements.Forms.Symbol.Check
            MyCheckBox.BackgroundColor = RgbColor.AliceBlue
            Dim MyLabel As Label = New Label("Onion", X + 75, Y + 43, 60, 15)
            PageElements.Add(MyCheckBox)
            PageElements.Add(MyLabel)

            Dim MyCheckBox2 As CheckBox = New CheckBox("cbxsecondname", X + 195, Y + 42, 15, 15)
            MyCheckBox2.Symbol = ceTe.DynamicPDF.PageElements.Forms.Symbol.Cross
            MyCheckBox2.BackgroundColor = RgbColor.AliceBlue
            MyCheckBox2.DefaultChecked = True
            Dim MyLabel2 As Label = New Label("Capsicum", X + 235, Y + 43, 60, 15)
            PageElements.Add(MyCheckBox2)
            PageElements.Add(MyLabel2)

            Dim MyCheckBox3 As CheckBox = New CheckBox("cbxthirdname", X + 350, Y + 42, 15, 15)
            MyCheckBox3.Symbol = ceTe.DynamicPDF.PageElements.Forms.Symbol.Star
```

```
            MyCheckBox3.BackgroundColor = RgbColor.AliceBlue
            Dim MyLabel3 As Label = New Label("Jalapenos", X + 385, Y + 43, 80, 15)
            PageElements.Add(MyCheckBox3)
            PageElements.Add(MyLabel3)

            AddCaptionAndRectangle(PageElements, "CheckBox Form Page Element", X, Y, 504, 85)
        End Sub

        Private Sub AddButtonField(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
            Dim MyButton As Button = New Button("btonename", X + 40, Y + 40, 100, 25)
            MyButton.Behavior = Behavior.Push
            MyButton.BorderStyle = BorderStyle.Beveled
            Dim MySubmitAction As SubmitAction = New SubmitAction(Request.Path)
            MyButton.ToolTip = "Submit Button"
            MyButton.Label = "Submit"
            MyButton.Action = MySubmitAction
            PageElements.Add(MyButton)

            Dim MyButton2 As Button = New Button("bttwoname", X + 195, Y + 40, 100, 25)
            MyButton2.Behavior = Behavior.Push
            MyButton2.BorderStyle = BorderStyle.Beveled
            Dim MyResetAction As ResetAction = New ResetAction
            MyButton2.Action = MyResetAction
            MyButton2.ToolTip = "Reset Button"
            MyButton2.Label = "Reset"
            PageElements.Add(MyButton2)

            Dim MyButton3 As Button = New Button("btthreename", X + 350, Y + 40, 100, 25)
            MyButton3.Behavior = Behavior.Push
            MyButton3.BorderStyle = BorderStyle.Beveled
            MyButton3.Action = New ZoomDestination(PageCounter, PageZoom.FitWidth)
            MyButton3.Behavior = Behavior.CreatePush("Click", "Zoom")
            MyButton3.ToolTip = "Zoom to fit page width"
            MyButton3.Label = "Zoom"
            PageElements.Add(MyButton3)

            Dim MyButton4 As Button = New Button("btfourname", X + 101, Y + 90, 100, 25)
            MyButton4.Behavior = Behavior.Push
            MyButton4.BorderStyle = BorderStyle.Beveled
            MyButton4.Action = New XYDestination(PageCounter, 100, 100)
            MyButton4.Behavior = Behavior.CreatePush("Click", "Go To XY Destination")
            MyButton4.ToolTip = "Go to XY position"
```

```
1483            MyButton4.Label = "XY"
1484            PageElements.Add(MyButton4)
1485
1486            Dim MyButton5 As Button = New Button("btfivename", X + 302, Y + 90, 100, 25)
1487            MyButton5.Behavior = Behavior.Push
1488            MyButton5.BorderStyle = BorderStyle.Beveled
1489            MyButton5.Action = New JavaScriptAction("app.alert('Hello');")
1490            MyButton5.ToolTip = "Javascript Button"
1491            MyButton5.Label = "OK"
1492            PageElements.Add(MyButton5)
1493
1494            AddCaptionAndRectangle(PageElements, "Button Form Page Element", X, Y, 504, 140)
1495        End Sub
1496
1497        Private Sub AddWatermark(ByVal MyDocument As Document, ByVal ParentOutline As Outline)
1498
1499            ' Increments a page counter
1500            PageCounter = PageCounter + 1
1501
1502            ' Adds to outlines to the page
1503            'ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter) + " - 2D and Stacked GS1 Databar Barcodes", New
    ZoomDestination(PageCounter, PageZoom.FitPage))
1504            ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter) + " - Watermark text", New ZoomDestination(PageCounter,
    PageZoom.FitPage))
1505
1506            ' Create a page to add to the document
1507            Dim MyPage As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(PageSize.Letter, PageOrientation.Portrait, 54)
1508
1509            ' Add Heading to the page
1510            Dim MyTextArea As TextArea = New TextArea("Text and Image Watermark Page Elements", 0, 235, 225, 10,
    Font.HelveticaBold, 10)
1511
1512            ' Add formattedTextArea to page
1513            MyPage.Elements.Add(MyTextArea)
1514
1515            ' Create Text watermark
1516            Dim watermark As TextWatermark = New TextWatermark("Draft")
1517            watermark.TextColor = Nothing
1518            watermark.TextOutlineColor = RgbColor.Black
1519
1520            ' Add Text watermark to page
1521            MyPage.Elements.Add(watermark)
```

```
1522
1523            ' Create Label and add discription text
1524            Dim text As String = "Text or Image watermarks can be placed on any page"
1525            Dim label As Label = New Label(text, 5, 255, 500, 100)
1526            Label.FontSize = 40
1527            MyPage.Elements.Add(label)
1528
1529            ' Create a Rectangle
1530            Dim rect As Rectangle = New Rectangle(0, 250, 500, 100)
1531            MyPage.Elements.Add(rect)
1532
1533            ' Set Pdf version to 1.6
1534            MyDocument.PdfVersion = PdfVersion.v1_6
1535
1536            ' Add page to document
1537            MyDocument.Pages.Add(MyPage)
1538
1539        End Sub
1540
1541#End Region
1542
1543
1544#Region " Web Form Designer Generated Code "
1545
1546        'This call is required by the Web Form Designer.
1547        <System.Diagnostics.DebuggerStepThrough()> Private Sub InitializeComponent()
1548
1549        End Sub
1550
1551
1552        Private Sub Page_Init(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Init
1553            'CODEGEN: This method call is required by the Web Form Designer
1554            'Do not modify it using the code editor.
1555            InitializeComponent()
1556        End Sub
1557
1558#End Region
1559    End Class
1560End Namespace
```