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

```
1 Imports System
2 Imports System.Text
3 Imports System.IO
4 Imports System.Security.Cryptography
5 Imports ceTe.DynamicPDF
6 Imports ceTe.DynamicPDF.IO
7 Imports ceTe.DynamicPDF.Text
8 Imports ceTe.DynamicPDF.PageElements
9 Imports ceTe.DynamicPDF.PageElements.Forms
10 Imports ceTe.DynamicPDF.PageElements.BarCoding
11 Imports ceTe.DynamicPDF.PageElements.Charting
12 Imports ceTe.DynamicPDF.PageElements.Charting.Axes
13 Imports ceTe.DynamicPDF.PageElements.Charting.Series
14 Imports ceTe.DynamicPDF.PageElements.Charting.Values
15 Imports ceTe.DynamicPDF.PageElements.Html
16
17 Namespace Web_VB.Web_VB.GeneratorExamples
18     Partial Class AllPageElements
19         Inherits System.Web.UI.Page
20
21
22 #Region "Member Variables"
23
24         Private PageCounter As Integer = 0
25
26 #End Region
27 #Region "StopSign Custom Page Element Class"
28
29         'Custom Page Element
30         Public Class StopSign
31             Inherits ceTe.DynamicPDF.PageElement
32
33 #Region "Member Variables"
34
35             Private X As Single = 0.0F
36             Private Y As Single = 0.0F
37             Private w As Single = 0.0F
38             Private H As Single = 0.0F
39
40 #End Region
41
42 #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(TransparentColor.White)
64         Writer.Write_rg_(TransparentColor.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_(TransparentColor.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)
```

```
211         MyBarcode.Height = 35
212         MyBarcode.X += (225 - MyBarcode.GetSymbolWidth()) / 2
213         MyBarcode.Y += (65 - MyBarcode.Height) / 2
214         elements.Add(MyBarcode)
215     End Sub
216
217     Private Sub AddDeutschePostLeitcode(elements As Group, x As Integer, y As Integer)
218         AddCaptionAndRectangle(elements, "Deutsche Post Leitcode", x, y, 225, 80)
219         Dim MyBarcode As New DeutschePostLeitcode("1234567890123", x, y + 15, 48)
220         MyBarcode.X += (225 - MyBarcode.GetSymbolWidth()) / 2
221         MyBarcode.Y += (65 - MyBarcode.Height) / 2
222         elements.Add(MyBarcode)
223     End Sub
224
225     Private Sub AddDeutschePostIdentcode(elements As Group, x As Integer, y As Integer)
226         AddCaptionAndRectangle(elements, "Deutsche Post Identcode", x, y, 225, 80)
227         Dim MyBarcode As New DeutschePostIdentcode("12345678901", x, y + 15, 48)
228         MyBarcode.X += (225 - MyBarcode.GetSymbolWidth()) / 2
229         MyBarcode.Y += (65 - MyBarcode.Height) / 2
230         elements.Add(MyBarcode)
231     End Sub
232
233     Private Sub AddAustraliaPost(elements As Group, x As Integer, y As Integer)
234         AddCaptionAndRectangle(elements, "Australia Post Barcode", x, y, 225, 80)
235         Dim MyBarcode As New AustraliaPost("1139549554", x, y + 15, True)
236         MyBarcode.Height = 35
237         MyBarcode.X += (225 - MyBarcode.GetSymbolWidth()) / 2
238         MyBarcode.Y += (65 - MyBarcode.Height) / 2
239         elements.Add(MyBarcode)
240     End Sub
241
242     Private Sub AddAztec(elements As Group, x As Integer, y As Integer)
243         AddCaptionAndRectangle(elements, "Aztec Barcode", x, y, 225, 100)
244         Dim Aztec As New Aztec("Aztec Barcode", x, y + 15, AztecSymbolSize.Auto)
245         Aztec.XDimension = 2.5F
246         Aztec.X += (225 - Aztec.GetSymbolWidth()) / 2
247         Aztec.Y += (85 - Aztec.GetSymbolHeight()) / 2
248         elements.Add(Aztec)
249     End Sub
250
251     Private Sub AddStackedGs1Expanded(elements As Group, x As Integer, y As Integer)
252         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
```

```
336         elements.Add(MyBarCode)
337     End Sub
338
339     Private Sub AddExtendedCode39(elements As Group, x As Integer, y As Integer)
340         AddCaptionAndRectangle(elements, "Extended Code 3 of 9 Barcode", x, y, 225, 80)
341         Dim MyBarCode As New Code39("Code 39", x, y + 15, 48)
342         MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
343         MyBarCode.Y += (65 - MyBarCode.Height) / 2
344         elements.Add(MyBarCode)
345     End Sub
346
347     Private Sub AddCode11(elements As Group, x As Integer, y As Integer)
348         AddCaptionAndRectangle(elements, "Code 11 Barcode", x, y, 225, 80)
349         Dim MyBarCode As New Code11("12345678", x, y + 15, 48)
350         MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
351         MyBarCode.Y += (65 - MyBarCode.Height) / 2
352         elements.Add(MyBarCode)
353     End Sub
354
355     Private Sub Add2DBarcodePage(ByVal MyDocument As Document, ByVal ParentOutline As Outline)
356         ' Increments a page counter
357         PageCounter = PageCounter + 1
358
359         ' Adds to outlines to the page
360         ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter) + " - 2D and Stacked GS1 Databar Barcodes", New
ZoomDestination(PageCounter, PageZoom.FitPage))
361
362         ' Create a page to add to the document
363         Dim MyPage As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(PageSize.Letter, PageOrientation.Portrait, 54)
364
365         ' Uncomment the line below to add a layout grid to the page
366         'page.Elements.Add( new LayoutGrid() )
367
368         ' Add the page elements to the page
369         AddStackedGs1Omni(MyPage.Elements, 0, 0)
370         AddStackedGs1Stacked(MyPage.Elements, 0, 108)
371         AddStackedGs1Expanded(MyPage.Elements, 0, 216)
372         AddAztec(MyPage.Elements, 0, 324)
373         AddQrCode(MyPage.Elements, 0, 432)
374
375         AddPdf417(MyPage.Elements, 279, 0)
376         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 MyTitle As New Title("Visitors (in millions)")
510     MyAreaSeries1.YAxis.Titles.Add(MyTitle)
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
```

```
541 MyPlotArea.Series.Add(MyLineSeries1)
542 MyPlotArea.Series.Add(MyLineSeries2)
543 MyPlotArea.Series.Add(MyLineSeries3)
544
545 ' Create a title and add it to the yaxis
546 Dim MylTitle As New Title("Visitors (in millions)")
547 MyLineSeries1.YAxis.Titles.Add(MylTitle)
548
549 'Adding AxisLabels to the XAxis
550 MyLineSeries1.XAxis.Labels.Add(New IndexedXAxisLabel("Q1", 0))
551 MyLineSeries1.XAxis.Labels.Add(New IndexedXAxisLabel("Q2", 1))
552 MyLineSeries1.XAxis.Labels.Add(New IndexedXAxisLabel("Q3", 2))
553 MyLineSeries1.XAxis.Labels.Add(New IndexedXAxisLabel("Q4", 3))
554 Elements.Add(MyChart)
555 End Sub
556 Private Sub AddPieChart(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
557     AddCaptionAndRectangle(Elements, "Pie Chart", X, Y, 325, 225)
558
559     ' Create a MyChart
560     Dim MyChart As New Chart(X + 20, Y + 25, 300, 200)
561
562     ' Add a plot area to the MyChart
563     Dim MyPlotArea As PlotArea = MyChart.PlotAreas.Add(50, 50, 300, 300)
564
565     ' Create the Header titles and add it to the MyChart
566     Dim MytTitle As New Title("Website Visitors (in millions)")
567     MyChart.HeaderTitles.Add(MytTitle)
568
569     ' Add autogradient colors to series
570     Dim MyAutogradient1 As AutoGradient = New AutoGradient(90.0F, CmykColor.Red, CmykColor.IndianRed)
571     Dim MyAutogradient2 As AutoGradient = New AutoGradient(90.0F, CmykColor.Green, CmykColor.YellowGreen)
572     Dim MyAutogradient3 As AutoGradient = New AutoGradient(120.0F, CmykColor.Blue, CmykColor.LightBlue)
573
574
575     ' Create a scalar datalabel
576     Dim Myda As ScalarDataLabel = New ScalarDataLabel(True, False, False)
577
578     ' Create a pie series
579     Dim MyPieSeries As New PieSeries()
580
581     ' Set scalar datalabel to the pie series
582     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
```

```
666         AddCodabar(MyPage.Elements, 0, 0)
667         AddCode11(MyPage.Elements, 0, 88)
668         AddCode128(MyPage.Elements, 0, 176)
669         AddCode25(MyPage.Elements, 0, 264)
670         AddCode39(MyPage.Elements, 0, 352)
671         AddExtendedCode39(MyPage.Elements, 0, 440)
672         AddCode93(MyPage.Elements, 0, 528)
673         AddExtendedCode93(MyPage.Elements, 0, 616)
674
675         AddIata25(MyPage.Elements, 279, 0)
676         AddInterleaved25(MyPage.Elements, 279, 88)
677         AddItf14(MyPage.Elements, 279, 176)
678         AddMSICode(MyPage.Elements, 279, 264)
679         AddEan14(MyPage.Elements, 279, 352)
680         AddGslDataBarOmnidirectional(MyPage.Elements, 279, 440)
681         AddGslDataBarLimited(MyPage.Elements, 279, 528)
682         AddGslDataBarExpanded(MyPage.Elements, 279, 616)
683         MyDocument.Pages.Add(MyPage)
684     End Sub
685
686     Private Sub AddCodabar(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
687         AddCaptionAndRectangle(Elements, "Codabar Barcode", X, Y, 225, 80)
688         Dim MyBarCode As BarCode = New Codabar("A1234B", X, Y + 15, 48)
689         MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
690         MyBarCode.Y += (65 - MyBarCode.Height) / 2
691         Elements.Add(MyBarCode)
692     End Sub
693
694     Private Sub AddCode128(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
695         AddCaptionAndRectangle(Elements, "Code 128 Barcode", X, Y, 225, 80)
696         Dim MyBarCode As BarCode = New Code128("Code 128 Barcode.", X, Y + 15, 48, 0.75F)
697         MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
698         MyBarCode.Y += (65 - MyBarCode.Height) / 2
699         Elements.Add(MyBarCode)
700     End Sub
701
702     Private Sub AddCode25(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
703         AddCaptionAndRectangle(Elements, "Code 2 of 5 Barcode", X, Y, 225, 80)
704         Dim MyBarCode As BarCode = New Code25("1234567890", X, Y + 15, 48)
705         MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
706         MyBarCode.Y += (65 - MyBarCode.Height) / 2
707         Elements.Add(MyBarCode)
```

```
708     End Sub
709
710     Private Sub AddCode39(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
711         AddCaptionAndRectangle(Elements, "Code 3 of 9 Barcode", X, Y, 225, 80)
712         Dim MyBarCode As BarCode = New Code39("CODE 39", X, Y + 15, 48)
713         MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
714         MyBarCode.Y += (65 - MyBarCode.Height) / 2
715         Elements.Add(MyBarCode)
716     End Sub
717
718     Private Sub AddInterleaved25(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
719         AddCaptionAndRectangle(Elements, "Interleaved 2 of 5 Barcode", X, Y, 225, 80)
720         Dim MyBarCode As BarCode = New Interleaved25("1234567890", X, Y + 15, 48)
721         MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
722         MyBarCode.Y += (65 - MyBarCode.Height) / 2
723         Elements.Add(MyBarCode)
724     End Sub
725
726     Private Sub AddIntelligentMailBarcode(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
727         AddCaptionAndRectangle(Elements, "Intelligent Mail Barcode", X, Y, 225, 80)
728         Dim MyBarCode As BarCode = New IntelligentMailBarcode("0123456709498765432101234567891", X, Y + 15, True)
729         MyBarCode.Height = 35
730         MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
731         MyBarCode.Y += (65 - MyBarCode.Height) / 2
732         Elements.Add(MyBarCode)
733     End Sub
734
735     Private Sub AddPostnet(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
736         AddCaptionAndRectangle(Elements, "Postnet Barcode", X, Y, 225, 80)
737         Dim MyBarCode As BarCode = New Postnet("20815470412", X, Y + 15)
738         MyBarCode.X += (225 - MyBarCode.GetSymbolWidth()) / 2
739         MyBarCode.Y += (65 - MyBarCode.Height) / 2
740         Elements.Add(MyBarCode)
741     End Sub
742
743     Private Sub AddPdf417(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
744         AddCaptionAndRectangle(Elements, "PDF417 Barcode", X, Y, 225, 100)
745         Dim Text As Byte() = ASCIIEncoding.ASCII.GetBytes("PDF417 Barcode")
746         Dim Pdfc As Pdf417 = New Pdf417(Text, X, Y + 15, 2, 2)
747         Pdfc.X += (225 - Pdfc.GetSymbolWidth()) / 2
748         Pdfc.Y += (85 - Pdfc.GetSymbolHeight()) / 2
749         Elements.Add(Pdfc)
750     End Sub
```

```
750     Private Sub AddPdf417Macro(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
751         AddCaptionAndRectangle(Elements, "PDF417 Macro Barcode", X, Y, 225, 100)
752         Dim Data() As Byte = Nothing
753         Try
754             Dim MyFile As FileStream = New FileStream(Server.MapPath("../Text/Textdata.txt"), FileMode.Open,
FileAccess.Read)
755             'Data = New Byte(MyFile.Length) {}
756             ReDim Data(MyFile.Length - 1)
757             MyFile.Read(Data, 0, MyFile.Length)
758             MyFile.Close()
759         Catch e As Exception
760             Console.WriteLine("EXCEPTION " + e.Message)
761         End Try
762
763         ' Create a MacroPdf417
764         Dim MyMacroPdf417 As MacroPdf417 = New MacroPdf417(Data, X, Y + 15, 10, 15, 0.9F)
765         MyMacroPdf417.X += (225 - MyMacroPdf417.GetSymbolWidth()) / 2
766         MyMacroPdf417.Y += (85 - MyMacroPdf417.GetSymbolHeight()) / 2
767
768         ' Add macroPdf417 to page
769         Elements.Add(MyMacroPdf417)
770
771         ' Retrieve the overflow barcode and place it at the appropriate location on the page
772         MyMacroPdf417 = MyMacroPdf417.GetOverflowMacroPdf417(X, Y + 124)
773         MyMacroPdf417.X += (225 - MyMacroPdf417.GetSymbolWidth()) / 2
774         MyMacroPdf417.Y += (85 - MyMacroPdf417.GetSymbolHeight()) / 2
775         AddCaptionAndRectangle(Elements, "PDF417 Overflow Macro Barcode", X, Y + 108, 225, 100)
776         Elements.Add(MyMacroPdf417)
777     End Sub
778     Private Sub AddDataMatrixBarcode(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
779         AddCaptionAndRectangle(Elements, "Data Matrix Barcode", X, Y, 225, 100)
780         Dim text As String = "The photograph attached was taken by the crew on board the Columbia."
781
782         ' Create a data matrix bar code
783         Dim MyDataMatrixBarcode As DataMatrixBarcode = New DataMatrixBarcode(text, X, Y + 15, DataMatrixSymbolSize.R32xC32,
DataMatrixEncodingType.Auto)
784         MyDataMatrixBarcode.XDimension = 2
785         MyDataMatrixBarcode.X += (225 - MyDataMatrixBarcode.GetSymbolWidth()) / 2
786         MyDataMatrixBarcode.Y += (85 - MyDataMatrixBarcode.GetSymbolHeight()) / 2
787
788         ' Add data matrix barcode to the page
789         Elements.Add(MyDataMatrixBarcode)
```

```
790     Y = Y + 108
791     AddCaptionAndRectangle(Elements, "Data Matrix Overflow Barcode", X, Y, 225, 100)
792
793     ' Retrieve the overflow barcode and place it at the appropriate location on the page
794     MyDataMatrixBarcode = MyDataMatrixBarcode.GetOverflowDataMatrixBarcode(X, Y + 15)
795     'MyDataMatrixBarcode.XDimension = 1.75F
796     MyDataMatrixBarcode.X += (225 - MyDataMatrixBarcode.GetSymbolWidth()) / 2
797     MyDataMatrixBarcode.Y += (85 - MyDataMatrixBarcode.GetSymbolHeight()) / 2
798     Elements.Add(MyDataMatrixBarcode)
799 End Sub
800 Private Sub AddQrCode(ByVal Elements As Group, ByVal X As Single, ByVal Y As Single)
801     AddCaptionAndRectangle(Elements, "QR Code", X, Y, 225, 100)
802     Dim Text As Byte() = ASCIIEncoding.ASCII.GetBytes("QR Code Barcode")
803     Dim qrCode As QrCode = New QrCode(Text, X, Y + 15)
804     qrCode.XDimension = 2.5F
805     qrCode.X += (225 - qrCode.GetSymbolWidth()) / 2
806     qrCode.Y += (85 - qrCode.GetSymbolHeight()) / 2
807     Elements.Add(qrCode)
808 End Sub
809 Private Sub AddUPCEANPage(ByVal MyDocument As Document, ByVal ParentOutline As Outline)
810     ' Increments a page counter
811     PageCounter = PageCounter + 1
812
813     ' Adds to outlines to the page
814     ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter) + " - UPC/EAN/JAN Barcodes", New
ZoomDestination(PageCounter, PageZoom.FitPage))
815
816     ' Create a page to add to the document
817     Dim MyPage As ceTe.DynamicPDF.Page = New ceTe.DynamicPDF.Page(PageSize.Letter, PageOrientation.Landscape, 54)
818
819     ' Uncomment the line below to add a layout grid to the page
820     'page.Elements.Add( new LayoutGrid() )
821
822     ' Add the page elements to the page
823     AddEAN13(MyPage.Elements, 0, 0)
824     AddEAN13Sup2(MyPage.Elements, 240, 0)
825     AddEAN13Sup5(MyPage.Elements, 480, 0)
826     AddUPCVersionA(MyPage.Elements, 0, 135)
827     AddUPCVersionASup2(MyPage.Elements, 240, 135)
828     AddUPCVersionASup5(MyPage.Elements, 480, 135)
829     AddEAN8(MyPage.Elements, 0, 270)
830     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("12345678901212345", 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,
FormattedTextArea.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 circle 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,
FormattedTextArea.LineStyle.DashLarge))
978 End Sub
979
980 Private Sub AddHtmlArea(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
981     ' Adds an HTML text area to the pageElements
982     Dim MyUri As Uri = New Uri((Server.MapPath("../Html/AllPageElementSample.html")))
983
984     Dim MyHtmlArea As HtmlArea = New HtmlArea(MyUri, X + 5, Y + 20, 215, 70)
985     ' Sets the indent property
986     AddCaptionAndRectangle(PageElements, "HtmlArea Page Element", X, Y)
987     AddCaptionAndRectangle(PageElements, "HtmlArea Overflow Text", X + 279, Y)
988     PageElements.Add(MyHtmlArea)
989     ' Set the html area object equal to the rest of the html area that did not fit
990     ' if all the html area did fit, GetOverflowHtmlArea will return null
991     Dim OverflowFormattedTextArea As HtmlArea = MyHtmlArea.GetOverflowHtmlArea(X + 284, Y + 20, 70)
992     PageElements.Add(OverflowFormattedTextArea)
993 End Sub
994
995 Private Sub AddImage(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
996     ' 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,
1013        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
1032        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,
1039     RgbColor.Blue, RgbColor.Red, 2, LineStyle.Solid, True)
1040     MyPath.SubPaths.Add(New LineSubPath(X + 215, Y + 40))
1041     MyPath.SubPaths.Add(New CurveToSubPath(X + 108, Y + 80, X + 160, Y + 80))
1042     MyPath.SubPaths.Add(New CurveSubPath(X + 5, Y + 40, X + 65, Y + 80, X + 5, Y + 60))
1043     AddCaptionAndRectangle(PageElements, "Path Page Element", X, Y)
1044     PageElements.Add(MyPath)
1045 End Sub
1046
1047 Private Sub AddRectangle(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1048     ' Adds a rectangle to the pageElements
1049     AddCaptionAndRectangle(PageElements, "Rectangle Page Element", X, Y)
1050     PageElements.Add(New Rectangle(X + 5, Y + 20, 215, 60, RgbColor.Green, RgbColor.Blue, 2))
1051 End Sub
1052
1053 Private Sub AddTextArea(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1054     ' Adds a text area to the pageElements
1055     Dim Text As String = "The TextArea page element is great for efficient processign of text that does " + _
1056     "not require advanced formatting. It offers basic control over leading and paragraph spacing and " + _
1057     "include text continuation functionality. If all the text does not fit within the bounds of " + _
1058     "the TextArea the HasOverflowText method will return a true value. The GetOverflowTextArea " + _
1059     "method can then be called to create a new TextArea with the remaining text. This " + _
1060     "functionality makes it simple to span large amounts of text over multiple TextAreas and pages. Text can also be
1061     rotated."
1062     AddCaptionAndRectangle(PageElements, "TextArea Page Element", X, Y)
1063     AddCaptionAndRectangle(PageElements, "TextArea Overflow Text", X + 279, Y)
1064     Dim MyTextArea As TextArea = New TextArea(Text, X + 5, Y + 20, 215, 60, Font.TimesRoman, 10)
1065     ' Create an overflow text area for the overflow text
1066     Dim OverflowTextArea As TextArea = MyTextArea.GetOverflowTextArea(X + 284, Y + 20)
1067     PageElements.Add(MyTextArea)
1068     PageElements.Add(OverflowTextArea)
1069 End Sub
1070
1071 Private Sub AddCustom(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1072     ' Adds a custom page element to the page
1073     AddCaptionAndRectangle(PageElements, "Custom Page Element", X, Y)
1074     PageElements.Add(New StopSign(80, Y + 20, 60, 60))
1075 End Sub
1076
1077 Private Sub AddNote(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
```

```
1076     ' Add a note element to the page
1077     AddCaptionAndRectangle(PageElements, "Note Page Element", X, Y)
1078     PageElements.Add(New Note("This is a note", X + 100, Y + 35, 50, NoteType.Note))
1079 End Sub
1080
1081 Private Sub AddTableAndOther(ByVal MyDocument As Document, ByVal ParentOutline As Outline)
1082     ' Increments a page counter
1083     PageCounter = PageCounter + 1
1084
1085     ' Adds to outlines to the page
1086     ParentOutline.ChildOutlines.Add("Page " + CStr(PageCounter) + " - Table and Additional Page Elements", New
ZoomDestination(PageCounter, PageZoom.FitPage))
1087
1088     ' Create a page to add to the document
1089     Dim MyPage As Page = New Page(PageSize.Letter, PageOrientation.Portrait, 54)
1090
1091     ' Uncomment the line below to add a layout grid to the page
1092     'page.Elements.Add( new LayoutGrid() )
1093
1094     ' Add the Table and other elements to the page
1095     AddTable(MyPage.Elements, 0, 0)
1096     AddListElements(MyPage, 0, 225)
1097     AddAdditional(MyPage.Elements, 0, 500)
1098
1099     ' Add the page to the document
1100     MyDocument.Pages.Add(MyPage)
1101 End Sub
1102
1103 Private Sub AddTable(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1104     Dim CaptionLabel1 As Label = New Label("Table Page Element", X, Y, 225, 10, Font.HelveticaBold, 10)
1105     PageElements.Add(CaptionLabel1)
1106     Dim CaptionLabel2 As Label = New Label("Table Row Overflow", X + 279, Y, 225, 10, Font.HelveticaBold, 10)
1107     PageElements.Add(CaptionLabel2)
1108     Dim MyTable As Table2 = New Table2(X, Y + 15, 225, 190, Font.TimesRoman, 10)
1109     MyTable.RepeatColumnHeaderCount = 1
1110
1111     ' Add columns to the table
1112     MyTable.Columns.Add(95)
1113     MyTable.Columns.Add(65)
1114     MyTable.Columns.Add(65)
1115
1116     ' Add the Header Row to the table
```

```
1117 Dim Row1 As Row2 = MyTable.Rows.Add(40, Font.HelveticaBold, 12, RGBColor.Black, RGBColor.LightBlue)
1118 Row1.CellDefault.Align = TextAlign.Center
1119 Row1.CellDefault.VAlign = VAlign.Center
1120 Row1.Cells.Add("Header 1")
1121 Row1.Cells.Add("Header 2")
1122 Row1.Cells.Add("Header 3")
1123 Row1.Cells.Add("Header 4")
1124 Row1.Cells.Add("Header 5")
1125 Row1.Cells.Add("Header 6")
1126 Row1.Cells.Add("Header 7")
1127 Row1.Cells.Add("Header 8")
1128 Row1.Cells.Add("Header 9")
1129 Row1.Cells.Add("Header 10")
1130 Row1.Cells.Add("Header 11")
1131 Row1.Cells.Add("Header 12")
1132 Row1.Cells.Add("Header 13")
1133 Row1.Cells.Add("Header 14")
1134 Row1.Cells.Add("Header 15")
1135 Row1.Cells.Add("Header 16")
1136
1137 Dim Cell As Integer = 0
1138 ' Add the rest of the rows to the table
1139 AddRow(MyTable, Cell, 1)
1140 AddRow(MyTable, Cell, 2)
1141 AddRow(MyTable, Cell, 3)
1142 AddRow(MyTable, Cell, 4)
1143 AddRow(MyTable, Cell, 5)
1144 AddRow(MyTable, Cell, 6)
1145 AddRow(MyTable, Cell, 7)
1146 AddRow(MyTable, Cell, 8)
1147 AddRow(MyTable, Cell, 9)
1148 AddRow(MyTable, Cell, 10)
1149 AddRow(MyTable, Cell, 11)
1150 AddRow(MyTable, Cell, 12)
1151 AddRow(MyTable, Cell, 13)
1152 AddRow(MyTable, Cell, 14)
1153 AddRow(MyTable, Cell, 15)
1154 AddRow(MyTable, Cell, 16)
1155
1156 ' Create an overflow table for the overflow columns
1157 Dim OverflowTable As Table2 = MyTable.GetOverflowRows(X + 279, Y + 15)
1158 PageElements.Add(MyTable)
```

```
1159         PageElements.Add(OverflowTable)
1160     End Sub
1161
1162     Private Sub AddRow(ByVal MyTable As Table2, ByRef CellNum As Integer, ByVal RowNum As Integer)
1163         Dim MyRow As Row2 = MyTable.Rows.Add()
1164         Dim MyCell As Cell2 = MyRow.Cells.Add("RowHeader " + CStr(RowNum), Font.HelveticaBold, 12, _
1165             RgbColor.Black, RgbColor.LightPink, 1)
1166         MyCell.Align = TextAlign.Center
1167         MyCell.VAlign = VAlign.Center
1168         CellNum = CellNum + 1
1169         MyRow.Cells.Add("Item " + CStr(CellNum))
1170         CellNum = CellNum + 1
1171         MyRow.Cells.Add("Item " + CStr(CellNum))
1172     End Sub
1173
1174     Private Sub AddAdditional(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1175         ' Adds text explaining the additional page elements
1176         Dim Text As String = "An <b><u>AreaGroup</u></b> represents a group of page elements with an area.<p/>" + _
1177             "A <b><u>BackgroundImage</u></b> page element is used to add an image to the background of a page. <p/>" + _
1178             "The <b><u>Group</u></b> page element is used for grouping page elements together.<p/>" + _
1179             "The <b><u>LayoutGrid</u></b> draws a coordinate grid to the page.<p/>" + _
1180             "A <b><u>TransformationGroup</u></b> can rotate and scale a group of page elements.<p/>" + _
1181             "A <b><u>TransparencyGroup</u></b> can be used to add transparency to page elements.<p/>" + _
1182             "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/>"
1183         Dim MyFormattedTextArea As FormattedTextArea = New FormattedTextArea(Text, X + 5, Y + 20, 494, 180,
FontFamily.Times, 12, False)
1184         MyFormattedTextArea.Style.Paragraph.SpacingAfter = 5
1185         AddCaptionAndRectangle(PageElements, "Additional Page Elements", X, Y, 504, 180)
1186         PageElements.Add(MyFormattedTextArea)
1187     End Sub
1188
1189     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)
1190         ' Adds a rectangle and caption to the pageElements
1191         Dim MyRectangle As Rectangle = New Rectangle(X, Y + 15, Width, Height - 15)
1192         Dim CaptionLabel As Label = New Label(Caption, X, Y, 225, 10, Font.HelveticaBold, 10)
1193         PageElements.Add(MyRectangle)
1194         PageElements.Add(CaptionLabel)
1195     End Sub
1196
```

```
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
1236         MySubOrderedSubList2.Items.Add("Mango")
1237         MySubOrderedSubList2.Items.Add("Banana")
1238
1239         Dim MySubOrderedSubList3 As OrderedSubList =
1240         MyOrderedSubList2.Items(0).SubLists.AddOrderedSubList(NumberingStyle.RomanLowerCase)
1241         MySubOrderedSubList3.Items.Add("Sweet Potato")
1242
1243         Dim MySubOrderedSubList4 As OrderedSubList =
1244         MyOrderedSubList2.Items(1).SubLists.AddOrderedSubList(NumberingStyle.RomanLowerCase)
1245         MySubOrderedSubList4.Items.Add("String Bean")
1246         MySubOrderedSubList4.Items.Add("Lima Bean")
1247         MySubOrderedSubList4.Items.Add("Kidney Bean")
1248
1249         MyPage.Elements.Add(MyOrderedList)
1250         X = X + 279
1251
1252         ' Get the overflow from the ordered list
1253         MyOrderedList = MyOrderedList.GetOverFlowList(X + 5, Y + 20)
1254         AddCaptionAndRectangle(MyPage.Elements, "Ordered List Page Element Overflow", X, Y, 225, 110)
1255         MyPage.Elements.Add(MyOrderedList)
1256
1257         X = 0
1258         Y += 138
1259
1260         ' Create unordered list
1261         Dim MyUnorderedList As UnorderedList = New UnorderedList(X + 5, Y + 20, 400, 90, Font.Helvetica, 10)
1262         MyUnorderedList.Items.Add("Fruits")
1263         MyUnorderedList.Items.Add("Vegetables")
1264
1265         Dim MyUnorderedSubList As UnorderedSubList = MyUnorderedList.Items(0).SubLists.AddUnorderedSubList()
1266         MyUnorderedSubList.Items.Add(" Citrus")
1267         MyUnorderedSubList.Items.Add(" Non-Citrus")
1268
1269         AddCaptionAndRectangle(MyPage.Elements, "Unordered List Page Element", X, Y, 225, 110)
1270
1271         Dim MyUnorderedSubList2 As UnorderedSubList = MyUnorderedList.Items(1).SubLists.AddUnorderedSubList()
1272         MyUnorderedSubList2.Items.Add("Potato")
1273         MyUnorderedSubList2.Items.Add("Beans")
1274
1275         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("txtflname", 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("cmblname", 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
```

```
1399     MyRadioButton.ExportValue = "Radio1"
1400     Dim MyLabel As Label = New Label("Monthly", X + 75, Y + 43, 60, 15)
1401     PageElements.Add(MyRadioButton)
1402     PageElements.Add(MyLabel)
1403
1404     Dim MyRadioButton2 As RadioButton = New RadioButton("rbname", X + 195, Y + 42, 12, 12)
1405     MyRadioButton2.BackgroundColor = RGBColor.AliceBlue
1406     MyRadioButton2.TextColor = RGBColor.Green
1407     MyRadioButton2.ExportValue = "Radio2"
1408     Dim MyLabel2 As Label = New Label("Quarterly", X + 235, Y + 43, 60, 15)
1409     PageElements.Add(MyRadioButton2)
1410     PageElements.Add(MyLabel2)
1411
1412     Dim MyRadioButton3 As RadioButton = New RadioButton("rbname", X + 350, Y + 42, 12, 12)
1413     MyRadioButton3.BackgroundColor = RGBColor.AliceBlue
1414     MyRadioButton3.TextColor = RGBColor.Blue
1415     MyRadioButton3.ExportValue = "Radio3"
1416     Dim MyLabel3 As Label = New Label("Yearly", X + 385, Y + 43, 60, 15)
1417     PageElements.Add(MyRadioButton3)
1418     PageElements.Add(MyLabel3)
1419
1420     AddCaptionAndRectangle(PageElements, "RadioButton Form Page Element", X, Y, 504, 85)
1421 End Sub
1422
1423 Private Sub AddCheckBoxField(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1424     Dim MyCheckBox As CheckBox = New CheckBox("cbxname", X + 40, Y + 42, 15, 15)
1425     MyCheckBox.Symbol = ceTe.DynamicPDF.PageElements.Forms.Symbol.Check
1426     MyCheckBox.BackgroundColor = RGBColor.AliceBlue
1427     Dim MyLabel As Label = New Label("Onion", X + 75, Y + 43, 60, 15)
1428     PageElements.Add(MyCheckBox)
1429     PageElements.Add(MyLabel)
1430
1431     Dim MyCheckBox2 As CheckBox = New CheckBox("cbxsecondname", X + 195, Y + 42, 15, 15)
1432     MyCheckBox2.Symbol = ceTe.DynamicPDF.PageElements.Forms.Symbol.Cross
1433     MyCheckBox2.BackgroundColor = RGBColor.AliceBlue
1434     MyCheckBox2.DefaultChecked = True
1435     Dim MyLabel2 As Label = New Label("Capsicum", X + 235, Y + 43, 60, 15)
1436     PageElements.Add(MyCheckBox2)
1437     PageElements.Add(MyLabel2)
1438
1439     Dim MyCheckBox3 As CheckBox = New CheckBox("cbxthirdname", X + 350, Y + 42, 15, 15)
1440     MyCheckBox3.Symbol = ceTe.DynamicPDF.PageElements.Forms.Symbol.Star
```

```
1441     MyCheckBox3.BackgroundColor = RgbColor.AliceBlue
1442     Dim MyLabel3 As Label = New Label("Jalapenos", X + 385, Y + 43, 80, 15)
1443     PageElements.Add(MyCheckBox3)
1444     PageElements.Add(MyLabel3)
1445
1446     AddCaptionAndRectangle(PageElements, "CheckBox Form Page Element", X, Y, 504, 85)
1447 End Sub
1448
1449 Private Sub AddButtonField(ByVal PageElements As Group, ByVal X As Single, ByVal Y As Single)
1450     Dim MyButton As Button = New Button("btonename", X + 40, Y + 40, 100, 25)
1451     MyButton.Behavior = Behavior.Push
1452     MyButton.BorderStyle = BorderStyle.Beveled
1453     Dim MySubmitAction As SubmitAction = New SubmitAction(Request.Path)
1454     MyButton.ToolTip = "Submit Button"
1455     MyButton.Label = "Submit"
1456     MyButton.Action = MySubmitAction
1457     PageElements.Add(MyButton)
1458
1459     Dim MyButton2 As Button = New Button("bttwone", X + 195, Y + 40, 100, 25)
1460     MyButton2.Behavior = Behavior.Push
1461     MyButton2.BorderStyle = BorderStyle.Beveled
1462     Dim MyResetAction As ResetAction = New ResetAction
1463     MyButton2.Action = MyResetAction
1464     MyButton2.ToolTip = "Reset Button"
1465     MyButton2.Label = "Reset"
1466     PageElements.Add(MyButton2)
1467
1468     Dim MyButton3 As Button = New Button("btthreename", X + 350, Y + 40, 100, 25)
1469     MyButton3.Behavior = Behavior.Push
1470     MyButton3.BorderStyle = BorderStyle.Beveled
1471     MyButton3.Action = New ZoomDestination(PageCounter, PageZoom.FitWidth)
1472     MyButton3.Behavior = Behavior.CreatePush("Click", "Zoom")
1473     MyButton3.ToolTip = "Zoom to fit page width"
1474     MyButton3.Label = "Zoom"
1475     PageElements.Add(MyButton3)
1476
1477     Dim MyButton4 As Button = New Button("btfourname", X + 101, Y + 90, 100, 25)
1478     MyButton4.Behavior = Behavior.Push
1479     MyButton4.BorderStyle = BorderStyle.Beveled
1480     MyButton4.Action = New XYDestination(PageCounter, 100, 100)
1481     MyButton4.Behavior = Behavior.CreatePush("Click", "Go To XY Destination")
1482     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
1560 End Namespace
```