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1 <%@ Page Language="VB" CodeFile="TaggedPdfWithStructureElements.aspx.vb"  
  Inherits="Web_VB.GeneratorExamples.TaggedPdfWithStructureElements" %>
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1 Imports System
2 Imports ceTe.DynamicPDF
3 Imports ceTe.DynamicPDF.PageElements
4
5 Namespace Web_VB.GeneratorExamples
6     Public Class TaggedPdfWithStructureElements
7         Inherits System.Web.UI.Page
8
9         Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load
10            ' Create a PDF document
11            Dim MyDocument As Document = New Document()
12
13            ' Specify document as a tagged PDF
14            MyDocument.Tag = New TagOptions()
15
16            ' Create a page and add it to the document
17            Dim MyPage As Page = New Page()
18            MyDocument.Pages.Add(MyPage)
19
20            ' Create a text area
21            Dim MyTextAreal As TextArea = New TextArea("This is Paragraph one", 0, 0, 512, 100, Font.Helvetica, 15.0F)
22            MyTextAreal.Align = TextAlign.Center
23
24            ' Create a structure element of tag type section
25            Dim MyParentStrucutreElement As StructureElement = New StructureElement(TagType.Section)
26
27            ' Create a structure element
28            Dim MyStructureElement1 As StructureElement = New StructureElement(TagType.Paragraph)
29            MyStructureElement1.IncludeDefaultAttributes = True
30
31            ' Set structure element parent
32            MyStructureElement1.Parent = MyParentStrucutreElement
33
34            ' Set strucute element order
35            MySt1. Order = 2
36
37            ' Set structure element to the text area
38            MyTextAreal.Tag = MyStructureElement1
39
40            ' Create a text area
41            Dim MyTextArea2 As TextArea = New TextArea("This is Paragraph two", 0, 50, 512, 100, Font.Helvetica, 15.0F)
42            MyTextArea2.Align = TextAlign.Center
```

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43
44     ' Create a structure element
45     Dim MyStructureElement2 As StructureElement = New StructureElement(TagType.Paragraph)
46     MyStructureElement2.IncludeDefaultAttributes = True
47
48     ' Set structure element parent
49     MyStructureElement2.Parent = MyParentStrucutreElement
50
51     ' Set strucute element order
52     MyStructureElement2.Order = 3
53
54     ' Set structure element to the text area
55     MyTextArea2.Tag = MyStructureElement2
56
57     ' Create a text area
58     Dim MyTextArea3 As TextArea = New TextArea("This is Paragraph three", 0, 100, 512, 100, Font.Helvetica, 15.0F)
59     MyTextArea3.Align = TextAlign.Center
60
61     ' Create a structure element
62     Dim MyStructureElement3 As StructureElement = New StructureElement(TagType.Paragraph)
63     MyStructureElement3.IncludeDefaultAttributes = True
64
65     ' Set structure element parent
66     MyStructureElement3.Parent = MyParentStrucutreElement
67
68     ' Set strucute element order
69     MyStructureElement3.Order = 1
70
71     ' Set structure element to the text area
72     MyTextArea3.Tag = MyStructureElement3
73
74     ' Add text areas to the page
75     MyPage.Elements.Add(MyTextArea1)
76     MyPage.Elements.Add(MyTextArea2)
77     MyPage.Elements.Add(MyTextArea3)
78
79     ' Create an image
80     Dim MyImage As Image = New Image(Server.MapPath("../Images/DPDFLogo.png"), 180.0F, 150.0F, 0.24F)
81     MyImage.Height = 200
82     MyImage.Width = 200
83
84     ' Create a structure element
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85     Dim MyImageStructureElement As StructureElement = New StructureElement(TagType.Figure)
86     MyImageStructureElement.IncludeDefaultAttributes = True
87     MyImageStructureElement.AlternateText = "DynamicPDF Logo"
88
89     ' Set structure element to the image
90     MyImage.Tag = MyImageStructureElement
91
92     ' Add image to the page
93     MyPage.Elements.Add(MyImage)
94
95     ' Create an ordered list
96     Dim MyOrderedList As OrderedList = New OrderedList(165, 400, 300, 300, Font.Helvetica, 12, NumberingStyle.Numeric)
97     MyOrderedList.Items.Add("Fruits")
98     MyOrderedList.Items.Add("Vegetables")
99
100    ' Tag the ordered list with the structure element
101    MyOrderedList.Tag = New StructureElement(TagType.List)
102
103    Dim MyOrderedSubList As OrderedSubList =
MyOrderedList.Items(0).SubLists.AddOrderedSubList(NumberingStyle.RomanUpperCase)
104    MyOrderedSubList.Items.Add("Citrus")
105    MyOrderedSubList.Items.Add("Non-Citrus")
106
107    ' Tag the item one child lists with the structure element
108    MyOrderedList.Items(0).Tag = New StructureElement(TagType.List)
109
110    ' Tag the item one body with the structure element
111    MyOrderedList.Items(0).BodyTag = New StructureElement(TagType.ListBody)
112
113    ' Tag the item one bullet with the structure element
114    MyOrderedList.Items(0).BulletTag = New StructureElement(TagType.Label)
115
116    ' Tag the item one with the structure element
117    MyOrderedList.Items(0).ListItemTag = New StructureElement(TagType.ListItem)
118
119    ' Tag the sublist with the structure element
120    MyOrderedSubList.Tag = New StructureElement(TagType.List)
121
122    ' Create an ordered sublist and add items to it
123    Dim MyOrderedSubList2 As OrderedSubList =
MyOrderedList.Items(1).SubLists.AddOrderedSubList(NumberingStyle.RomanUpperCase)
124    MyOrderedSubList2.Items.Add("Potato")
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125         MyOrderedSubList2.Items.Add("Beans")
126
127         ' Create an ordered sublist and add items to it
128         Dim MySubOrderedSubList1 As OrderedSubList =
MyOrderedSubList.Items(0).SubLists.AddOrderedSubList(NumberingStyle.RomanLowerCase)
129         MySubOrderedSubList1.Items.Add("Lime")
130         MySubOrderedSubList1.Items.Add("Orange")
131
132         ' Create an ordered sublist and add items to it
133         Dim MySubOrderedSubList2 As OrderedSubList =
MyOrderedSubList.Items(1).SubLists.AddOrderedSubList(NumberingStyle.RomanLowerCase)
134         MySubOrderedSubList2.Items.Add("Mango")
135         MySubOrderedSubList2.Items.Add("Banana")
136
137         ' Create an ordered sublist and add items to it
138         Dim MySubOrderedSubList3 As OrderedSubList =
MyOrderedSubList2.Items(0).SubLists.AddOrderedSubList(NumberingStyle.RomanLowerCase)
139         MySubOrderedSubList3.Items.Add("Sweet Potato")
140
141         ' Create an ordered sublist and add items to it
142         Dim MySubOrderedSubList4 As OrderedSubList =
MyOrderedSubList2.Items(1).SubLists.AddOrderedSubList(NumberingStyle.RomanLowerCase)
143         MySubOrderedSubList4.Items.Add("String Bean")
144         MySubOrderedSubList4.Items.Add("Lima Bean")
145
146         ' Add ordered list to the page
147         MyPage.Elements.Add(MyOrderedList)
148
149         ' Create a Page numbering label
150         Dim MyPageNumberingLabel As PageNumberingLabel = New PageNumberingLabel("Page %%CP%% of %%TP%%", 0, 680, 512, 12,
Font.Helvetica, 12, TextAlign.Center)
151
152         ' Create a artifact and add type
153         Dim MyArtifact As Artifact = New Artifact()
154         MyArtifact.SetType(ArtifactType.Pagination)
155
156         ' Set artifact to the page numbering label
157         MyPageNumberingLabel.Tag = MyArtifact
158
159         ' Add page numbering label to the page
160         MyPage.Elements.Add(MyPageNumberingLabel)
161
162         ' Outputs the document to the current web page
```

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163         MyDocument.DrawToWeb("TaggedPdfWithStructureElements.pdf")
164     End Sub
165 End Class
166 End Namespace
```