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1 <%@ Page Language="C#" CodeFile="TaggedPdfWithStructureElements.aspx.cs"
  Inherits="Web_CSharp.GeneratorExamples.TaggedPdfWithStructureElements" %>
```

```
1 using System;
2
3 using ceTe.DynamicPDF;
4 using ceTe.DynamicPDF.PageElements;
5
6 namespace Web_CSharp.GeneratorExamples
7 {
8
9     public partial class TaggedPdfWithStructureElements : System.Web.UI.Page
10    {
11        protected void Page_Load(object sender, EventArgs e)
12        {
13            // Create a PDF document
14            Document document = new Document();
15            document.Creator = "TaggedPdfWithStructureElements.aspx";
16            document.Author = "ceTe Software";
17            document.Title = "TaggedPdfWithStructureElements";
18
19            // Specify document as a tagged PDF
20            document.Tag = new TagOptions();
21
22            // Create a page and add it to the document
23            Page page = new Page();
24            document.Pages.Add(page);
25
26            // Create a text area
27            TextArea textArea1 = new TextArea("This is Paragraph one", 0, 0, 512, 100, Font.Helvetica, 15f);
28            textArea1.Align = TextAlign.Center;
29
30            // Create a structure element of tag type section
31            StructureElement parentStructureElement = new StructureElement(TagType.Section);
32
33            // Create a structure element
34            StructureElement structureElement1 = new StructureElement(TagType.Paragraph);
35            structureElement1.IncludeDefaultAttributes = true;
36
37            // Set structure element parent
38            structureElement1.Parent = parentStructureElement;
39
40            // Set structure element order
41            structureElement1.Order = 2;
42
43            // Set structure element to the text area
44            textArea1.Tag = structureElement1;
45
46            // Create a text area
47            TextArea textArea2 = new TextArea("This is Paragraph two", 0, 50, 512, 100, Font.Helvetica, 15f);
48            textArea2.Align = TextAlign.Center;
49
50            // Create a structure element
```

```
51     StructureElement structureElement2 = new StructureElement(TagType.Paragraph);
52     structureElement2.IncludeDefaultAttributes = true;
53
54     // Set structure element parent
55     structureElement2.Parent = parentStructureElement;
56
57     // Set structure element order
58     structureElement2.Order = 3;
59
60     // Set structure element to the text area
61     textArea2.Tag = structureElement2;
62
63     // Create a text area
64     TextArea textArea3 = new TextArea("This is Paragraph three", 0, 100, 512, 100, Font.Helvetica, 15f);
65     textArea3.Align = TextAlign.Center;
66
67     // Create a structure element
68     StructureElement structureElement3 = new StructureElement(TagType.Paragraph);
69     structureElement3.IncludeDefaultAttributes = true;
70
71     // Set structure element parent
72     structureElement3.Parent = parentStructureElement;
73
74     // Set structure element order
75     structureElement3.Order = 1;
76
77     // Set structure element to the text area
78     textArea3.Tag = structureElement3;
79
80     // Add text areas to the page
81     page.Elements.Add(textArea1);
82     page.Elements.Add(textArea2);
83     page.Elements.Add(textArea3);
84
85     // Create an image
86     Image image = new Image(Server.MapPath("../Images/DPDFLogo.png"), 180f, 150f, 0.24f);
87     image.Height = 200;
88     image.Width = 200;
89
90     // Create a structure element
91     StructureElement imageStructureElement = new StructureElement(TagType.Figure);
92     imageStructureElement.IncludeDefaultAttributes = true;
93     imageStructureElement.AlternateText = "DynamicPDF Logo";
94
95     // Set structure element to the image
96     image.Tag = imageStructureElement;
97
98     // Add image to the page
99     page.Elements.Add(image);
100
```

```
101 // Create an ordered list
102 OrderedList orderedList = new OrderedList(165, 400, 300, 300, Font.Helvetica, 12);
103
104 // Add items to the ordered list
105 orderedList.Items.Add("Fruits");
106 orderedList.Items.Add("Vegetables");
107
108 // Tag the ordered list with the structure element
109 orderedList.Tag = new StructureElement(TagType.List);
110
111 // Create an ordered sublist and add items to it
112 OrderedSubList orderedSubList = orderedList.Items[0].SubLists.AddOrderedSubList(NumberingStyle.RomanUpperCase);
113 orderedSubList.Items.Add("Citrus");
114 orderedSubList.Items.Add("Non-Citrus");
115
116 // Tag the item one child lists with the structure element
117 orderedList.Items[0].Tag = new StructureElement(TagType.List, true);
118
119 // Tag the item one body with the structure element
120 orderedList.Items[0].BodyTag = new StructureElement(TagType.ListBody, true);
121
122 // Tag the item one bullet with the structure element
123 orderedList.Items[0].BulletTag = new StructureElement(TagType.Label, true);
124
125 // Tag the item one with the structure element
126 orderedList.Items[0].ListItemTag = new StructureElement(TagType.ListItem, true);
127
128 // Tag the sublist with the structure element
129 orderedSubList.Tag = new StructureElement(TagType.List, true);
130
131 // Create an ordered sublist and add items to it
132 OrderedSubList orderedSubList2 = orderedList.Items[1].SubLists.AddOrderedSubList(NumberingStyle.RomanUpperCase);
133 orderedSubList2.Items.Add("Potato");
134 orderedSubList2.Items.Add("Beans");
135
136 // Create an ordered sublist and add items to it
137 OrderedSubList subOrderedSubList =
orderedSubList.Items[0].SubLists.AddOrderedSubList(NumberingStyle.RomanLowerCase);
138 subOrderedSubList.Items.Add("Lime");
139 subOrderedSubList.Items.Add("Orange");
140
141 // Create an ordered sublist and add items to it
142 OrderedSubList subOrderedSubList2 =
orderedSubList.Items[1].SubLists.AddOrderedSubList(NumberingStyle.RomanLowerCase);
143 subOrderedSubList2.Items.Add("Mango");
144 subOrderedSubList2.Items.Add("Banana");
145
146 // Create an ordered sublist and add items to it
147 OrderedSubList subOrderedSubList3 =
orderedSubList2.Items[0].SubLists.AddOrderedSubList(NumberingStyle.RomanLowerCase);
```

```
148         subOrderedSubList3.Items.Add("Sweet Potato");
149
150         // Create an ordered sublist and add items to it
151         OrderedSubList subOrderedSubList4 =
orderedSubList2.Items[1].SubLists.AddOrderedSubList(NumberingStyle.RomanLowerCase);
152         subOrderedSubList4.Items.Add("String Bean");
153         subOrderedSubList4.Items.Add("Lima Bean");
154
155         // Add ordered list to the page
156         page.Elements.Add(orderedList);
157
158         // Create a Page numbering label
159         PageNumberingLabel pageNumberingLabel = new PageNumberingLabel("Page %%CP%% of %%TP%%", 0, 680, 512, 12,
Font.Helvetica,
160             12, TextAlign.Center);
161
162         // Create a artifact and add type
163         Artifact artifact = new Artifact();
164         artifact.SetType(ArtifactType.Pagination);
165
166         // Set artifact to the page numbering label
167         pageNumberingLabel.Tag = artifact;
168
169         // Add page numbering label to the page
170         page.Elements.Add(pageNumberingLabel);
171
172         // Outputs the document to the current web page
173         document.DrawToWeb("TaggedPdfWithStructureElements.pdf");
174     }
175 }
176 }
```