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1 <%@ Page Language="C#" AutoEventWireup="true" CodeFile="PlaceholderExample.aspx.cs" Inherits="ReportWriter_PlaceHolderExample"
  %>
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Web;
5 using System.Web.UI;
6
7 using System.Data;
8 using System.Data.SqlClient;
9
10 using ceTe.DynamicPDF;
11 using ceTe.DynamicPDF.LayoutEngine.LayoutElements;
12 using ceTe.DynamicPDF.LayoutEngine;
13 using ceTe.DynamicPDF.PageElements;
14 using ceTe.DynamicPDF.PageElements.BarCoding;
15
16 public partial class ReportWriter_PlaceHolderExample : System.Web.UI.Page
17 {
18     protected void Page_Load(object sender, EventArgs e)
19     {
20         //Create the document's layout from a DLEX template
21         DocumentLayout documentLayout = new DocumentLayout(Server.MapPath("PlaceHolder.dlex"));
22
23         // Retrieve the placeholder for the dynamic image and attach an event to it
24         Placeholder barcode = (Placeholder)documentLayout.GetLayoutElementById("Barcode");
25         barcode.LaidOut += Barcode_LaidOut;
26
27         // Specify the Data to use when laying out the document
28         NameValueLayoutData layoutData = new NameValueLayoutData();
29         layoutData.Add("HeaderData", "Popular Websites");
30         layoutData.Add("Websites", PlaceholderExampleData.Websites);
31
32         // Layout the PDF document
33         Document document = documentLayout.Layout(layoutData);
34         document.Author = "DynamicPDF ReportWriter";
35         document.Title = "PlaceHolder Example";
36
37         // Outputs the document to a file
38         document.DrawToWeb("ReportWriter_PlaceHolderExample.pdf");
39     }
40
41     private static void Barcode_LaidOut(object sender, PlaceholderLaidOutEventArgs e)
42     {
43         // Retrieve the image bytes from the layout data for the current record
44         string url = e.LayoutWriter.Data["Url"].ToString();
45
46         // Create a barcode page element from the data and set its properties
47         QrCode qrCode = new QrCode(url, 0, 0, 2);
48
49         // Add the barcode and a link to the placeholder's content area
50         e.ContentArea.Add(qrCode);
```

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51     e.ContentArea.Add(new Link(0, 0, qrCode.GetSymbolWidth(), qrCode.GetSymbolHeight(), new UrlAction(url)));
52     }
53 }
54 }
55 }
56 public class PlaceholderExampleData
57 {
58     public class Website
59     {
60         public string Name { get; set; }
61         public string Description { get; set; }
62         public string Url { get; set; }
63     }
64
65     private static List<Website> websites = new List<Website>()
66     {
67         new Website { Name = "DynamicPDF", Description = "Founded in 2002, DynamicPDF is a leader in PDF SDKs and
68 libraries.", Url = "https://www.dynamicpdf.com" },
69         new Website { Name = "Facebook", Description = "Founded in 2004, Facebook is a popular social networking website.",
70 Url = "https://www.facebook.com" },
71         new Website { Name = "Google", Description = "Founded in 1997, Google is a popular search engine.", Url =
72 "https://www.google.com" },
73         new Website { Name = "Twitter", Description = "Founded in 2006, Twitter is a popular news and social media
74 website.", Url = "https://twitter.com" }
75     };
76     public static List<Website> Websites
77     {
78         get { return websites; }
79     }
80 }
```