PlaceHolderExample.aspx

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

PlaceHolderExample.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;

using System.Data;
using System.Data.SqlClient;

using ceTe.DynamicPDF;
using ceTe.DynamicPDF.LayoutEngine.LayoutElements;
using ceTe.DynamicPDF.LayoutEngine;
using ceTe.DynamicPDF.PageElements;
using ceTe.DynamicPDF.PageElements.BarCoding;

public partial class ReportWriter_PlaceHolderExample : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        //Create the document's layout from a DLEX template
        DocumentLayout documentLayout = new DocumentLayout(Server.MapPath("PlaceHolder.dlex"));

        // Retrieve the placeholder for the dynamic image and attach an event to it
        PlaceHolder barcode = (PlaceHolder)documentLayout.GetLayoutElementById("Barcode");
        barcode.LaidOut += Barcode_LaidOut;

        // Specify the Data to use when laying out the document
        NameValueLayoutData layoutData = new NameValueLayoutData();
        layoutData.Add("HeaderData", "Popular Websites");
        layoutData.Add("Websites", PlaceHolderExampleData.Websites);

        // Layout the PDF document
        Document document = documentLayout.Layout(layoutData);
        document.Author = "DynamicPDF ReportWriter";
        document.Title = "PlaceHolder Example";

        // Outputs the document to a file
        document.DrawToWeb("ReportWriter_PlaceHolderExample.pdf");
    }

    private static void Barcode_LaidOut(object sender, PlaceHolderLaidOutEventArgs e)
    {
        // Retrieve the image bytes from the layout data for the current record
        string url = e.LayoutWriter.Data["Url"].ToString();

        // Create a barcode page element from the data and set its properties
        QrCode qrCode = new QrCode(url, 0, 0, 2);

        // Add the barcode and a link to the placeholder's content area
        e.ContentArea.Add(qrCode);
```

```
        e.ContentArea.Add(new ceTe.DynamicPDF.PageElements.Link(0, 0, qrCode.GetSymbolWidth(), qrCode.GetSymbolHeight(), new

    }

}

public class PlaceHolderExampleData
{
    public class Website
    {
        public string Name { get; set; }
        public string Description { get; set; }
        public string Url { get; set; }
    }

    private static List<Website> websites = new List<Website>()
        {
            new Website { Name = "DynamicPDF", Description = "Founded in 2002, DynamicPDF is a leader in PDF SDKs and
libraries.", Url = "https://www.dynamicpdf.com" },
            new Website { Name = "Facebook", Description = "Founded in 2004, Facebook is a popular social networking website.",
Url = "https://www.facebook.com" },
            new Website { Name = "Google", Description = "Founded in 1997, Google is a popular search engine.", Url =
"https://www.google.com" },
            new Website { Name = "Twitter", Description = "Founded in 2006, Twitter is a popular news and social media
website.", Url = "https://twitter.com" }
        };
    public static List<Website> Websites
    {
        get { return websites; }
    }
}
```