

# Image List Example



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using System;

using System.Drawing;

using System.Collections;

using System.ComponentModel;

using System.Windows.Forms;

using System.Data;

using System.Drawing.Drawing2D;

using System.IO;

namespace ImageListExample

{

///

/// Summary description for ImageListExample.

///

public class ImageListExample : System.Windows.Forms.Form

{

internal System.Windows.Forms.Button cmdDrawImageList;

internal System.Windows.Forms.Button cmdFillImageList;

///

/// Required designer variable.

///

private System.ComponentModel.Container components = null;

public ImageListExample()

{

```

//
// Required for Windows Form Designer support
//
InitializeComponent();

//
// TODO: Add any constructor code after InitializeComponent
call
//
}

///

/// Clean up any resources being used.
///
protected override void Dispose( bool disposing )
{
    if( disposing )
    {
        if (components != null)
        {
            components.Dispose();
        }
    }
    base.Dispose( disposing );
}

#region Windows Form Designer generated code
///

/// Required method for Designer support – do not modify
/// the contents of this method with the code editor.
///
private void InitializeComponent()
{
    this.cmdDrawImageList = new System.Windows.Forms.Button();
    this.cmdFillImageList = new System.Windows.Forms.Button();
    this.SuspendLayout();
//

```

```

// cmdDrawImageList
//
this.cmdDrawImageList.FlatStyle =
System.Windows.Forms.FlatStyle.System;
this.cmdDrawImageList.Location = new System.Drawing.Point(164,
172);
this.cmdDrawImageList.Name = "cmdDrawImageList";
this.cmdDrawImageList.Size = new System.Drawing.Size(96, 24);
this.cmdDrawImageList.TabIndex = 3;
this.cmdDrawImageList.Text = "Draw Images";
this.cmdDrawImageList.Click += new
System.EventHandler(this.cmdDrawImageList_Click);
//
// cmdFillImageList
//
this.cmdFillImageList.FlatStyle =
System.Windows.Forms.FlatStyle.System;
this.cmdFillImageList.Location = new System.Drawing.Point(28,
172);
this.cmdFillImageList.Name = "cmdFillImageList";
this.cmdFillImageList.Size = new System.Drawing.Size(104, 24);
this.cmdFillImageList.TabIndex = 2;
this.cmdFillImageList.Text = "Fill ImageList";
this.cmdFillImageList.Click += new
System.EventHandler(this.cmdFillImageList_Click);
//
// ImageListExample
//
this.AutoScaleBaseSize = new System.Drawing.Size(5, 13);
this.ClientSize = new System.Drawing.Size(292, 214);
this.Controls.AddRange(new System.Windows.Forms.Control[] {
this.cmdDrawImageList,
this.cmdFillImageList});
this.Name = "ImageListExample";
this.Text = "ImageList Example";
this.ResumeLayout(false);

```

```

}
#endregion

///

/// The main entry point for the application.
///
[STAThread]
static void Main()
{
Application.Run(new ImageListExample());
}

ImageList iconImages = new System.Windows.Forms.ImageList();

private void cmdFillImageList_Click(object sender,
System.EventArgs e)
{
// Configure the ImageList.
iconImages.ColorDepth =
System.Windows.Forms.ColorDepth.Depth8Bit;
iconImages.ImageSize = new System.Drawing.Size(16, 16);

// Get all the icon files in the current directory.
string[] iconFiles =
Directory.GetFiles(Application.StartupPath, "*.ico");

// Create an Image object for each file and add it to the
ImageList.
// You can also use an Image subclass (like Icon).
foreach (string iconFile in iconFiles)
{
Icon newIcon = new Icon(iconFile);
iconImages.Images.Add(newIcon);
}
}

private void cmdDrawImageList_Click(object sender,
System.EventArgs e)

```

```
{  
// Get the graphics device context for the form.  
Graphics g = this.CreateGraphics();  
  
// Draw each image using the ImageList.Draw() method.  
for (int i = 0; i < iconImages.Images.Count; i++) {  
iconImages.Draw(g, 30 + i * 30, 30, i); } // Release the  
graphics device context.  g.Dispose();  }  }  }  
ImageListExample.zip( 24 k)[/csharp]
```