

Begin Print

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/*
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by Nick Symmonds

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*/

using System;
using System.Drawing;
using System.IO;
using System.Drawing.Printing;
using System.Collections;
using System.ComponentModel;
using System.Windows.Forms;
using System.Data;

namespace BeginPrint_c
{
    ///
    /// Summary description for BeginPrint.
    ///
    public class BeginPrint1 : System.Windows.Forms.Form
    {
        #region Class Local Storage
        PrintDocument Pd;
        Font Pf;
        TextReader file;
        int Pages = 0;
        #endregion

        private System.Windows.Forms.ComboBox cmbPrinters;
        private System.Windows.Forms.Label label1;
        private System.Windows.Forms.Button cmdStartPrint;
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private System.Windows.Forms.ListBox lstPaper;
private System.Windows.Forms.Label label2;
private System.Windows.Forms.Label label3;
private System.Windows.Forms.ListBox lstRes;

private System.ComponentModel.Container components = null;

public BeginPrint1()
{
InitializeComponent();

}

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.cmbPrinters = new System.Windows.Forms.ComboBox();
this.label1 = new System.Windows.Forms.Label();
this.cmdStartPrint = new System.Windows.Forms.Button();
this.lstPaper = new System.Windows.Forms.ListBox();
this.label2 = new System.Windows.Forms.Label();
this.label3 = new System.Windows.Forms.Label();

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this.lstRes = new System.Windows.Forms.ListBox();
this.SuspendLayout();
//
// cmbPrinters
//
this.cmbPrinters.DropDownStyle =
System.Windows.Forms.ComboBoxStyle.DropDownList;
this.cmbPrinters.Location = new System.Drawing.Point(16, 192);
this.cmbPrinters.Name = "cmbPrinters";
this.cmbPrinters.Size = new System.Drawing.Size(256, 21);
this.cmbPrinters.TabIndex = 0;
//
// label1
//
this.label1.Location = new System.Drawing.Point(16, 176);
this.label1.Name = "label1";
this.label1.Size = new System.Drawing.Size(256, 16);
this.label1.TabIndex = 1;
this.label1.Text = "Installed Printers";
//
// cmdStartPrint
//
this.cmdStartPrint.Location = new System.Drawing.Point(88,
224);
this.cmdStartPrint.Name = "cmdStartPrint";
this.cmdStartPrint.Size = new System.Drawing.Size(88, 32);
this.cmdStartPrint.TabIndex = 2;
this.cmdStartPrint.Text = "Start Print";
this.cmdStartPrint.Click += new
System.EventHandler(this.cmdStartPrint_Click);
//
// lstPaper
//
this.lstPaper.Location = new System.Drawing.Point(16, 24);
this.lstPaper.Name = "lstPaper";
this.lstPaper.Size = new System.Drawing.Size(256, 56);
this.lstPaper.TabIndex = 3;
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//  
// label2  
//  
this.label2.Location = new System.Drawing.Point(18, 8);  
this.label2.Name = "label2";  
this.label2.Size = new System.Drawing.Size(256, 16);  
this.label2.TabIndex = 4;  
this.label2.Text = "Paper Size";  
//  
// label3  
//  
this.label3.Location = new System.Drawing.Point(16, 88);  
this.label3.Name = "label3";  
this.label3.Size = new System.Drawing.Size(256, 16);  
this.label3.TabIndex = 6;  
this.label3.Text = "Printer Resolution";  
//  
// lstRes  
//  
this.lstRes.Location = new System.Drawing.Point(16, 104);  
this.lstRes.Name = "lstRes";  
this.lstRes.Size = new System.Drawing.Size(256, 56);  
this.lstRes.TabIndex = 5;  
//  
// BeginPrint  
//  
this.AutoScaleBaseSize = new System.Drawing.Size(5, 13);  
this.ClientSize = new System.Drawing.Size(292, 273);  
this.Controls.AddRange(new System.Windows.Forms.Control[] {  
this.label3,  
this.lstRes,  
this.label2,  
this.lstPaper,  
this.cmdStartPrint,  
this.label1,  
this.cmbPrinters});  
this.MaximizeBox = false;
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this.MinimizeBox = false;
this.Name = "BeginPrint";
this.StartPosition =
System.Windows.Forms.FormStartPosition.CenterScreen;
this.Text = "BeginPrint";
this.Load += new System.EventHandler(this.BeginPrint_Load);
this.ResumeLayout(false);

}
#endregion

[STAThread]
static void Main()
{
Application.Run(new BeginPrint1());
}

private void BeginPrint_Load(object sender, EventArgs
e)
{
Init();
}

private void Init()
{
foreach(String p in PrinterSettings.InstalledPrinters)
cmbPrinters.Items.Add(p);

if ( cmbPrinters.Items.Count > 0 )
cmbPrinters.SelectedIndex = 0;

//Add a few paper sizes to the list box
lstPaper.Items.Add(PaperKind.A4.ToString());
lstPaper.Items.Add(PaperKind.Letter.ToString());
lstPaper.Items.Add(PaperKind.CSheet.ToString());

//Add all the printer resolutions to the list box
lstRes.Items.Add(PrinterResolutionKind.Custom.ToString());
lstRes.Items.Add(PrinterResolutionKind.Draft.ToString());

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lstRes.Items.Add(PrinterResolutionKind.High.ToString());
lstRes.Items.Add(PrinterResolutionKind.Low.ToString());
lstRes.Items.Add(PrinterResolutionKind.Medium.ToString());
}

private void cmdStartPrint_Click(object sender,
System.EventArgs e)
{
try
{
file = new StreamReader("Test.txt");
try
{
//Create the document and give it a somewhat unique name
Pd = new PrintDocument();
Pd.DocumentName = DateTime.Now.Millisecond.ToString();

//Install event handlers
Pd.BeginPrint += new PrintEventHandler(this.BeginPrint);
Pd.PrintPage += new PrintPageEventHandler(this.PagePrint);
Pd.EndPrint += new PrintEventHandler(this.EndPrint);

// Print the document.
Pd.Print();
}
finally
{
file.Close();
if (Pd != null)
Pd.Dispose();
if (Pf != null)
Pf.Dispose();
}
}
catch(Exception ex)
{
MessageBox.Show(ex.Message);
}
}

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}

private void BeginPrint1(object sender, PrintEventArgs ev)
{
PageSettings Psettings = Pd.DefaultPageSettings;

//Initialize the font
Pf = new Font("Times New Roman", 10);

Pd.PrinterSettings.PrinterName =
cmbPrinters.SelectedItem.ToString();

foreach (PaperSize ps in Pd.PrinterSettings.PaperSizes)
{
if (ps.PaperName == lstPaper.SelectedItem.ToString())
{
Psettings.PaperSize = ps;
break;
}
}

foreach (PrinterResolution pr in
Pd.PrinterSettings.PrinterResolutions)
{
if (pr.Kind.ToString() == lstRes.SelectedItem.ToString())
{
Psettings.PrinterResolution = pr;
break;
}
}

//Make 1/4 inch margins all around
Psettings.Margins = new Margins(25, 25, 25, 25);
Pd.DefaultPageSettings = Psettings;
//Reset the pages
Pages = 0;
}

private void EndPrint(object sender, PrintEventArgs ev)

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{
Pf.Dispose();
}

// The PrintPage event is raised for each page to be printed.
private void PagePrint(object sender, PrintPageEventArgs ev)
{
float linesPerPage = 0;
float yPos = 0;
int count = 0;
float leftMargin = ev.MarginBounds.Left;
float topMargin = ev.MarginBounds.Top;
String line = null;

//Keep track of pages as they are printed
if (++Pages == 2)
{
try
{
ev.PageSettings.Landscape = true;
}
catch (Exception ex)
{
ev.PageSettings.Landscape = false;
}
}
else
ev.PageSettings.Landscape = false;

// Calculate the number of lines per page.
linesPerPage = ev.MarginBounds.Height /
Pf.GetHeight(ev.Graphics);

// Iterate over the file, printing each line. Use a basic
StringFormat
while (count++ < linesPerPage && ((line=file.ReadLine()) !=
null)) { yPos = topMargin + (count *
Pf.GetHeight(ev.Graphics)); ev.Graphics.DrawString (line, Pf,

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Brushes.Black, leftMargin, yPos, new StringFormat()); } // If  
more lines exist, print another page. if (line != null)  
ev.HasMorePages = true; else ev.HasMorePages = false; } } }  
[/csharp]
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