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using System;
using System.IO;
using System.Drawing;
using System.Collections;
using System.ComponentModel;
using System.Windows.Forms;
using SB54_CSAI.MP3Lib;

namespace SB54_CSAI.TrackObjects
{
    #region frmTrack CLASS
    /// <summary>
    /// frmTrack is a sub class of a <see cref="System.Windows.Forms.Form">Form </see>
    /// that provides an popup style semi transparent window that displays details of
    /// the currently selected track on the <see cref="uctMediaPlayer">main user control
    /// track list</see>
    /// </summary>
    public class frmTrack : System.Windows.Forms.Form
    {
        #region Instance fields

        //Instance fields
        private System.ComponentModel.Container components = null;
        private System.Windows.Forms.Panel oPnlBorder;
        private System.Windows.Forms.Label oLblTrackName;
        private System.Windows.Forms.PictureBox oPicLogo;
        private System.Windows.Forms.Label oLblLine1;
        private System.Windows.Forms.Label oLblLine2;
        private System.Windows.Forms.Label oLblType;
        private System.Windows.Forms.Label oLblSize;
        private System.Windows.Forms.Label oLblAlbum;
        private System.Windows.Forms.Label oLblArtist;
        private System.Windows.Forms.Label oLblComment;
        private System.Windows.Forms.Label oLblTitle;
        private System.Windows.Forms.Label oLblGenre;
        private System.Windows.Forms.Label oLblTrackNo;
        private System.Windows.Forms.Label oLblYear;
        private string hoveredTrackName="";
        private MP3 workingMP3;

        #endregion
        #region Public Constructor
        /// <summary>
        /// Constructor, simply initalises all GUI components
        /// </summary>
        public frmTrack()
        {
            // This call is required by the Windows.Forms Form Designer.
            InitializeComponent();
        }
        #endregion
        #region Public Methods/Properties
        /// <summary>
        /// Clean up any resources being used.
        /// </summary>
        protected override void Dispose( bool disposing )
        {
            //if being asked to dispose
            if( disposing )
            {
                //clean up the held resources
                if(components != null) { components.Dispose(); }
            }
            //call base class Dispose
            base.Dispose( disposing );
        }

        /// <summary>
        /// Create a new <see cref="SB54_CSAI.MP3Lib.MP3Tag">MP3 Tag object </see>
        /// for the currently set TrackName. Then use whatever ID3 tag information
    }
}

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/// is available to display on the GUI. There may not be any ID3 information
/// say if the user has selected a WAV (*.wav) file on the
/// <see cref="uctMediaPlayer">main user control track list</see>
/// </summary>
public void setDetails()
{
    try
    {
        bool MP3File = true;
        // Create a new fileInfo for the hoveredTrackName, and see if is is MP3
        //if it is not, there will be no ID3 tag information to show.
        FileInfo fileInfo = new FileInfo(hoveredTrackName);
        //if file is not MP3, simply record that there is this fact
        if (fileInfo.Extension != ".mp3")
        {
            MP3File = false;
        }
        //If file is MP3, construct a new MP3tag for the file
        //and read it's ID3 data to display on this forms GUI components
        else
        {
            workingMP3 = new MP3(fileInfo.DirectoryName, fileInfo.Name);
            MP3Tag.readMP3Tag (ref workingMP3);
        }

        //only make labels visible if there is an MP3 Tag to read
        oLblAlbum.Visible = (workingMP3.hasID3Tag && MP3File);
        oLblArtist.Visible = (workingMP3.hasID3Tag && MP3File);
        oLblComment.Visible = (workingMP3.hasID3Tag && MP3File);
        oLblGenre.Visible = (workingMP3.hasID3Tag && MP3File);
        oLblTitle.Visible = (workingMP3.hasID3Tag && MP3File);
        oLblTrackNo.Visible = (workingMP3.hasID3Tag && MP3File);
        oLblYear.Visible = (workingMP3.hasID3Tag && MP3File);

        //set the details for this MP3 file
        oLblTrackName.Text = hoveredTrackName;
        oLblType.Text = "Media File Type : " + fileInfo.Extension.Substring(1,3);
        oLblSize.Text = "Media File Size : " + ((float)(fileInfo.Length /1024)) + " Kb";

        oLblAlbum.Text = "Album : " + workingMP3.id3Album;
        oLblArtist.Text = "Artist : " + workingMP3.id3Artist;
        oLblComment.Text = "Comment : " + workingMP3.id3Comment;
        oLblGenre.Text = "Genre ID : " + MP3Tag.getGenreFromID ((int)workingMP3.id3Genre);

        oLblTitle.Text = "Title : " + workingMP3.id3Title;
        oLblTrackNo.Text = "Track No : " + (int)workingMP3.id3TrackNumber;
        oLblYear.Text = "Year : " + workingMP3.id3Year;
    }
    catch (Exception ex)
    {
        MessageBox.Show("Problem with File Access in MediaPlayer frmTrack : " +
            "\r\n\r\n\r\n" + ex.Message,
            "File Access ERROR", MessageBoxButtons.OK,
            MessageBoxIcon.Error);
    }
}

/// <summary>
/// Sets the current TrackName
/// </summary>
[Browsable(true)]
public string TrackName
{
    //set the internal field to be that of TrackName property
    set
    {
        this.hoveredTrackName = value;
    }
}
#endregion
#region Windows Form Designer generated code
/// <summary>

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/// Required method for Designer support - do not modify
/// the contents of this method with the code editor.
/// </summary>
private void InitializeComponent()
{
    System.Resources.ResourceManager resources = new System.Resources.
ResourceManager(typeof(frmTrack));
    this.oPnlBorder = new System.Windows.Forms.Panel();
    this.oPicLogo = new System.Windows.Forms.PictureBox();
    this.oLblTrackName = new System.Windows.Forms.Label();
    this.oLblLine1 = new System.Windows.Forms.Label();
    this.oLblLine2 = new System.Windows.Forms.Label();
    this.oLblType = new System.Windows.Forms.Label();
    this.oLblSize = new System.Windows.Forms.Label();
    this.oLblAlbum = new System.Windows.Forms.Label();
    this.oLblArtist = new System.Windows.Forms.Label();
    this.oLblComment = new System.Windows.Forms.Label();
    this.oLblTitle = new System.Windows.Forms.Label();
    this.oLblGenre = new System.Windows.Forms.Label();
    this.oLblTrackNo = new System.Windows.Forms.Label();
    this.oLblYear = new System.Windows.Forms.Label();
    this.oPnlBorder.SuspendLayout();
    this.SuspendLayout();
    //
    // oPnlBorder
    //
    this.oPnlBorder.BackColor = System.Drawing.Color.White;
    this.oPnlBorder.BorderStyle = System.Windows.Forms.BorderStyle.Fixed3D;
    this.oPnlBorder.Controls.Add(this.oPicLogo);
    this.oPnlBorder.Location = new System.Drawing.Point(8, 56);
    this.oPnlBorder.Name = "oPnlBorder";
    this.oPnlBorder.Size = new System.Drawing.Size(64, 72);
    this.oPnlBorder.TabIndex = 2;
    //
    // oPicLogo
    //
    this.oPicLogo.BackColor = System.Drawing.Color.White;
    this.oPicLogo.Image = ((System.Drawing.Image)(resources.GetObject("oPicLogo.
Image")));
    this.oPicLogo.Location = new System.Drawing.Point(0, 8);
    this.oPicLogo.Name = "oPicLogo";
    this.oPicLogo.Size = new System.Drawing.Size(48, 56);
    this.oPicLogo.TabIndex = 3;
    this.oPicLogo.TabStop = false;
    //
    // oLblTrackName
    //
    this.oLblTrackName.Font = new System.Drawing.Font("Microsoft Sans Serif", 8.25F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((System.Byte)(0)));
    this.oLblTrackName.Location = new System.Drawing.Point(8, 8);
    this.oLblTrackName.Name = "oLblTrackName";
    this.oLblTrackName.Size = new System.Drawing.Size(432, 27);
    this.oLblTrackName.TabIndex = 4;
    this.oLblTrackName.Text = "label1";
    //
    // oLblLine1
    //
    this.oLblLine1.ForeColor = System.Drawing.Color.SteelBlue;
    this.oLblLine1.Location = new System.Drawing.Point(8, 24);
    this.oLblLine1.Name = "oLblLine1";
    this.oLblLine1.Size = new System.Drawing.Size(450, 16);
    this.oLblLine1.TabIndex = 6;
    this.oLblLine1.Text =
"
    //
    // oLblLine2
    //
    this.oLblLine2.ForeColor = System.Drawing.Color.SteelBlue;
    this.oLblLine2.Location = new System.Drawing.Point(80, 72);
    this.oLblLine2.Name = "oLblLine2";
    this.oLblLine2.Size = new System.Drawing.Size(376, 16);
    this.oLblLine2.TabIndex = 7;
    this.oLblLine2.Text =
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"
//
// oLblType
//
this.oLblType.Location = new System.Drawing.Point(80, 40);
this.oLblType.Name = "oLblType";
this.oLblType.Size = new System.Drawing.Size(336, 16);
this.oLblType.TabIndex = 8;
this.oLblType.Text = "oLblType";
//
// oLblSize
//
this.oLblSize.Location = new System.Drawing.Point(80, 56);
this.oLblSize.Name = "oLblSize";
this.oLblSize.Size = new System.Drawing.Size(336, 16);
this.oLblSize.TabIndex = 9;
this.oLblSize.Text = "Size";
//
// oLblAlbum
//
this.oLblAlbum.Location = new System.Drawing.Point(80, 88);
this.oLblAlbum.Name = "oLblAlbum";
this.oLblAlbum.Size = new System.Drawing.Size(336, 16);
this.oLblAlbum.TabIndex = 10;
this.oLblAlbum.Text = "Album";
//
// oLblArtist
//
this.oLblArtist.Location = new System.Drawing.Point(80, 104);
this.oLblArtist.Name = "oLblArtist";
this.oLblArtist.Size = new System.Drawing.Size(336, 16);
this.oLblArtist.TabIndex = 11;
this.oLblArtist.Text = "Artist";
//
// oLblComment
//
this.oLblComment.Location = new System.Drawing.Point(80, 120);
this.oLblComment.Name = "oLblComment";
this.oLblComment.Size = new System.Drawing.Size(336, 16);
this.oLblComment.TabIndex = 12;
this.oLblComment.Text = "Comment";
//
// oLblTitle
//
this.oLblTitle.Location = new System.Drawing.Point(80, 152);
this.oLblTitle.Name = "oLblTitle";
this.oLblTitle.Size = new System.Drawing.Size(336, 16);
this.oLblTitle.TabIndex = 13;
this.oLblTitle.Text = "Title";
//
// oLblGenre
//
this.oLblGenre.Location = new System.Drawing.Point(80, 136);
this.oLblGenre.Name = "oLblGenre";
this.oLblGenre.Size = new System.Drawing.Size(336, 16);
this.oLblGenre.TabIndex = 14;
this.oLblGenre.Text = "Genre";
//
// oLblTrackNo
//
this.oLblTrackNo.Location = new System.Drawing.Point(80, 168);
this.oLblTrackNo.Name = "oLblTrackNo";
this.oLblTrackNo.Size = new System.Drawing.Size(336, 16);
this.oLblTrackNo.TabIndex = 15;
this.oLblTrackNo.Text = "Track No";
//
// oLblYear
//
this.oLblYear.Location = new System.Drawing.Point(80, 184);
this.oLblYear.Name = "oLblYear";
this.oLblYear.Size = new System.Drawing.Size(336, 16);
this.oLblYear.TabIndex = 16;
this.oLblYear.Text = "Year";
";
```

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//  
// frmTrack  
//  
this.AutoScaleBaseSize = new System.Drawing.Size(5, 13);  
this.BackColor = System.Drawing.Color.LightSteelBlue;  
this.ClientSize = new System.Drawing.Size(448, 200);  
this.Controls.Add(this.oLblYear);  
this.Controls.Add(this.oLblTrackNo);  
this.Controls.Add(this.oLblGenre);  
this.Controls.Add(this.oLblTitle);  
this.Controls.Add(this.oLblComment);  
this.Controls.Add(this.oLblArtist);  
this.Controls.Add(this.oLblAlbum);  
this.Controls.Add(this.oLblSize);  
this.Controls.Add(this.oLblType);  
this.Controls.Add(this.oLblLine2);  
this.Controls.Add(this.oLblTrackName);  
this.Controls.Add(this.oLblLine1);  
this.Controls.Add(this.oPnlBorder);  
this.FormBorderStyle = System.Windows.Forms.FormBorderStyle.None;  
this.MaximizeBox = false;  
this.MinimizeBox = false;  
this.Name = "frmTrack";  
this.Opacity = 0.8;  
this.ShowInTaskbar = false;  
this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;  
this.Text = "frmTrack";  
this.oPnlBorder.ResumeLayout(false);  
this.ResumeLayout(false);  
  
}  
#endregion  
  
}  
#endregion  
}
```