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Option Strict On
Imports System
Imports System.Collections
Imports System.Configuration
Imports System.Data
Imports System.IO
Imports System.Web
Imports System.Web.Security
Imports System.Web.UI
Imports System.Web.UI.HtmlControls
Imports System.Web.UI.WebControls
Imports System.Web.UI.WebControls.WebParts

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Partial Class EditControls_AddEditParkPhotos
    Inherits System.Web.UI.UserControl

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    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load

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        'If Not Page.IsPostBack Then
        'Fill Picture List
        'THIS SHOULD BE BY GALLERY
        If Not String.IsNullOrEmpty(Request.Params("paction")) Then
            If IsNumeric(Request.Params("photoID")) Then
                Dim photoID As Integer = CType(Request.Params("photoID"), Integer)
                Dim photoAction As String = Clean Parameters(CType(Request.Params("paction"), String))
                'Call the sub that runs stored procedures
                UpdatePhotoChoice(photoID, photoAction)
            End If
        End If

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        If IsNumeric(Request.Params("p")) Then
            Dim pid As Integer = CType(Request.Params("p"), Integer)
            'Me.lblPhotoList.Text = DisplayAdminParkPhoto(pid)
            Me.dlParkPhotos.DataSource = DisplayAdminPhotoList(pid)
            Me.dlParkPhotos.DataKeyField = "PkPhotoID"
            Me.dlParkPhotos.DataBind()

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            Dim p As New Parks
            lblParkName.Text = p.GetParkName(pid)
        End If

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    End Sub

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    Public Function GetListPhotoURL(ByVal PhotoUrl As String, ByVal thumbnailURL As String) As String

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        'This function is to show the Thumbnail of the Videos in the list
        'since they do not have a full size gallery photo
        Dim tURL As String = String.Empty

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        If Not PhotoUrl Is String.Empty Then
            If PhotoUrl.Contains(".flv") Then
                tURL = "<p class='PClayPotHead'>Video File</p><img src='" & thumbnailURL & "' />"
            End If
        End If

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        'Return the value of nothing - this is a Photo
        Return tURL

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    End Function

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Protected Sub UpdatePhotoChoice(ByVal PhotoID As Integer, ByVal photoAction As String)
    Select Case photoAction
        Case "show"
            ShowPhoto(PhotoID)
        Case "hide"
            HidePhoto(PhotoID)
        Case "delete"
            DeletePhoto(PhotoID)
    End Select
End Sub

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Protected Sub btnAddPhotoParts_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles
btnAddPhotoParts.Click

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    Dim p As New Parks ' New Class Instance
    Dim pid As Integer 'Park ID

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    If IsNumeric(Request.Params("p")) Then
        pid = CType(Request.Params("p"), Integer)
        'Me.lblPhotoUploadMessage.Text =
        AddSaveParkPhoto(pid)
    End If

```

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'=====
'=====  

'=====  

Response.Redirect(Request.RawUrl.ToString)

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End Sub
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```
Protected Sub AddSaveParkPhoto(ByVal ParkID As Integer)
```

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'===== BEGIN PHOTO PROCESSING =====

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If Me.fuParkPhoto1.FileName.Length > 0 Then
    'Check the value and file size
    Dim FileValue As Integer = CheckFileType(fuParkPhoto1.PostedFile.FileName,
fuParkPhoto1.PostedFile.ContentLength)

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    If FileValue = 1 Then
        'Only of there was a problem, we just
        Me.lblPhotoUploadMessage.ForeColor = Drawing.Color.Red
        lblPhotoUploadMessage.Text += "<br />The 1st image must be a jpg, png, or gif image."
        Return
    ElseIf FileValue = 2 Then

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        lblPhotoUploadMessage.ForeColor = Drawing.Color.Red
        lblPhotoUploadMessage.Text += "<br />The 1st file can not be more than 5MB in size!"
        Return
    ElseIf FileValue = 0 Then

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        '0 is returned and we Size and save the the photo and thumbnail.

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'-----
'=====  

'=====  

'-----

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'===== Create the Primary Key Photo ID to name and save URL
'This structure will be used to create and save the photo properties
Dim pc As PhotoComplete = New PhotoComplete
pc.PhotoID = InsertParkPhoto(ParkID, "images/imagenotavailable.jpg ",

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HtmlEncode(Me.txtPhoto1.Text))

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'-----
'=====  

'=====  

'-----

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Dim ImageURL As String
'Saving as a full size image.
'Returns the location of Full Size Image on Sever for use
ImageURL = SaveFullImg(1, pc.PhotoID)

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        'Save Gallery photo
        pc = ResizeSave(pc.PhotoID, ImageURL, "gallery")
        updateParkPhoto(pc)

        'Save Thumb Photo
        pc = ResizeSave(pc.PhotoID, ImageURL, "thumb")
        InsertThumbnailPhoto(pc)

    End If
End If
'-----
'*****
'===== File Upload 2 =====
'-----
If Me.fuParkPhoto2.FileName.Length > 0 Then
    'Check the value and file size
    Dim FileValue As Integer = CheckFileType(fuParkPhoto2.PostedFile.FileName,
fuParkPhoto2.PostedFile.ContentLength)

    If FileValue = 1 Then
        'Only of there was a problem, we just
        Me.lblPhotoUploadMessage.ForeColor = Drawing.Color.Red
        lblPhotoUploadMessage.Text += "<br />The 2nd image must be a jpg, png, or gif image."
        Return
    ElseIf FileValue = 2 Then
        lblPhotoUploadMessage.ForeColor = Drawing.Color.Red
        lblPhotoUploadMessage.Text += "<br />The 2nd file can not be more than 5MB in size!"
        Return
    ElseIf FileValue = 0 Then
        '0 is returned and we Size and save the the photo and thumbnail.

        '-----
        '===== Create the Primary Key Photo ID to name and save URL
        Dim pc As PhotoComplete = New PhotoComplete
        pc.PhotoID = InsertParkPhoto(ParkID, "images/imagenotavailable.gif ",
HtmlEncode(Me.txtPhoto2.Text))
        '-----

        '-----
        '===== Save Full Size Image =====
        '-----

        Dim ImageURL As String
        'Saving as a full size image.
        'Returns the location of Full Size Image on Sever for use
        ImageURL = SaveFullImg(2, pc.PhotoID)

        'Save Gallery photo
        pc = ResizeSave(pc.PhotoID, ImageURL, "gallery")
        updateParkPhoto(pc)

        'Save Thumb Photo
        pc = ResizeSave(pc.PhotoID, ImageURL, "thumb")
        InsertThumbnailPhoto(pc)

    End If
End If
'-----
'*****
'===== File Upload 3 =====
'-----
If Me.fuParkPhoto3.FileName.Length > 0 Then
    'Check the value and file size

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Dim FileValue As Integer = CheckFileType(fuParkPhoto3.PostedFile.FileName,
fuParkPhoto3.PostedFile.ContentLength)

If FileValue = 1 Then
    'Only of there was a problem, we just
    Me.lblPhotoUploadMessage.ForeColor = Drawing.Color.Red
    lblPhotoUploadMessage.Text += "<br />The 3rd image must be a jpg, png, or gif image."
    Return
ElseIf FileValue = 2 Then
    lblPhotoUploadMessage.ForeColor = Drawing.Color.Red
    lblPhotoUploadMessage.Text += "<br />The 3rd file can not be more than 5MB in size!"
    Return
ElseIf FileValue = 0 Then
    '0 is returned and we Size and save the the photo and thumbnail.

    '-----
    '==== Create the Primary Key Photo ID to name and save URL
    Dim pc As PhotoComplete = New PhotoComplete
    pc.PhotoID = InsertParkPhoto(ParkID, "images/imagenotavailable.gif ",
HtmlEncode(Me.txtPhoto3.Text))
    '-----

    '-----
    '===== Save Full Size Image =====
    '-----

    Dim ImageURL As String
    'Saving as a full size image.
    'Returns the location of Full Size Image on Sever for use
    ImageURL = SaveFullImg(3, pc.PhotoID)

    'Save Gallery photo
    pc = ResizeSave(pc.PhotoID, ImageURL, "gallery")
    updateParkPhoto(pc)

    'Save Thumb Photo
    pc = ResizeSave(pc.PhotoID, ImageURL, "thumb")
    InsertThumbnailPhoto(pc)

End If
End If
'-----
'*****
'===== File Upload 4 =====
'-----

If Me.fuParkPhoto4.FileName.Length > 0 Then
    'Check the value and file size
    Dim FileValue As Integer = CheckFileType(fuParkPhoto4.PostedFile.FileName,
fuParkPhoto4.PostedFile.ContentLength)

    If FileValue = 1 Then
        'Only of there was a problem, we just
        Me.lblPhotoUploadMessage.ForeColor = Drawing.Color.Red
        lblPhotoUploadMessage.Text += "<br />The 4th image must be a jpg, png, or gif image."
        Return
    ElseIf FileValue = 2 Then
        lblPhotoUploadMessage.ForeColor = Drawing.Color.Red
        lblPhotoUploadMessage.Text += "<br />The 4th file can not be more than 5MB in size!"
        Return
    ElseIf FileValue = 0 Then
        '0 is returned and we Size and save the the photo and thumbnail.

        '-----
        '==== Create the Primary Key Photo ID to name and save URL
        Dim pc As PhotoComplete = New PhotoComplete

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        pc.PhotoID = InsertParkPhoto(ParkID, "images/imagenotavailable.gif ",
HtmlEncode(Me.txtPhoto4.Text))
'-----
'-----
'===== Save Full Size Image =====
'-----

Dim ImageURL As String
'Saving as a full size image.
'Returns the location of Full Size Image on Sever for use
ImageURL = SaveFullImg(4, pc.PhotoID)

'Save Gallery photo
pc = ResizeSave(pc.PhotoID, ImageURL, "gallery")
updateParkPhoto(pc)

'Save Thumb Photo
pc = ResizeSave(pc.PhotoID, ImageURL, "thumb")
InsertThumbnailPhoto(pc)

End If
End If
'-----
'*****
'===== File Upload 5 =====
'-----
If Me.fuParkPhoto5.FileName.Length > 0 Then
    'Check the value and file size
    Dim FileValue As Integer = CheckFileType(fuParkPhoto5.PostedFile.FileName,
fuParkPhoto5.PostedFile.ContentLength)

    If FileValue = 1 Then
        'Only of there was a problem, we just
        Me.lblPhotoUploadMessage.ForeColor = Drawing.Color.Red
        lblPhotoUploadMessage.Text += "<br />The 5th image must be a jpg, png, or gif image."
        Return
    ElseIf FileValue = 2 Then
        lblPhotoUploadMessage.ForeColor = Drawing.Color.Red
        lblPhotoUploadMessage.Text += "<br />The 5th file can not be more than 5MB in size!"
        Return
    ElseIf FileValue = 0 Then
        '0 is returned and we Size and save the the photo and thumbnail.

        '-----
        '===== Create the Primary Key Photo ID to name and save URL
        Dim pc As PhotoComplete = New PhotoComplete
        pc.PhotoID = InsertParkPhoto(ParkID, "images/imagenotavailable.gif ",
HtmlEncode(Me.txtPhoto5.Text))
'-----
'-----
'===== Save Full Size Image =====
'-----

Dim ImageURL As String
'Saving as a full size image.
'Returns the location of Full Size Image on Sever for use
ImageURL = SaveFullImg(5, pc.PhotoID)

'Save Gallery photo
pc = ResizeSave(pc.PhotoID, ImageURL, "gallery")
updateParkPhoto(pc)

'Save Thumb Photo
pc = ResizeSave(pc.PhotoID, ImageURL, "thumb")
InsertThumbnailPhoto(pc)

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        End If
    End If

End Sub

Public Function ResizeSave(ByVal PhotoID As Integer, ByVal LocalImageUrl As String, ByVal fullThumb
As String) As PhotoComplete

    Dim pc As PhotoComplete = New PhotoComplete 'RETURN THE IMAGE PROPERTIES

    'Read in the image filename to create a Photo of
    Dim fullSizeImg As System.Drawing.Image
    fullSizeImg = System.Drawing.Image.FromFile(LocalImageUrl) 'Server.MapPath(imageUrl))

    'Do we need to create a thumbnail?
    'Read in the width and height
    'This could be determined by a dropdown or something so this could handle
    'All image needs for a site.
    Dim imageWidth As Integer
    Dim imageHeight As Integer

    If fullThumb = "gallery" Then
        'Thumbnail
        imageWidth = 340
        imageHeight = 275
        '-----
    ElseIf fullThumb = "thumb" Then
        'Thumbnail
        imageWidth = 75
        imageHeight = 100
        '-----
    End If

    '=====
    'GET THE WIDTH AND HEIGHT HERE
    '=====

    Dim wh As New WidthHeight
    'Return the pixel aspect needed to create an image that is
    ' sized to a max height for formatting
    wh = ResizeImageKeepAspectRatio(CType(fullSizeImg, System.Drawing.Bitmap), imageWidth,
imageHeight)
    imageHeight = wh.height
    imageWidth = wh.width

    '----- FOR RETURN STRUCTURE -----
    pc.PhotoID = PhotoID
    pc.PhotoHeight = wh.height
    pc.PhotoWidth = wh.width
    '-----

    If imageHeight > 0 And imageWidth > 0 Then
        fullSizeImg.RotateFlip(Drawing.RotateFlipType.Rotate180FlipNone)
        fullSizeImg.RotateFlip(Drawing.RotateFlipType.Rotate180FlipNone)

        Dim dummyCallBack As System.Drawing.Image.GetThumbnailImageAbort
        dummyCallBack = New _
            System.Drawing.Image.GetThumbnailImageAbort(AddressOf ThumbnailCallback)

        Dim thumbNailImg As System.Drawing.Image
        thumbNailImg = fullSizeImg.GetThumbnailImage(imageWidth, imageHeight, _
            dummyCallBack, IntPtr.Zero)
    End If
End Function

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'-----
If fullThumb = "gallery" Then
    '-----
    'Gallery Size Image
    '-----
    pc.PhotoUrl = Server.MapPath("~/images/parks/gallery" & PhotoID & "." &
GetFileType(LocalImageUrl).ToLower)
    '--> look for function replace below <--
    'file = file.Replace(" ", String.Empty)

    'Saving as a jpeg is definately a better option. When saved as a gif it looks messed
up.
    thumbNailImg.Save(pc.PhotoUrl, Drawing.Imaging.ImageFormat.Jpeg)

    'Shorten the file path for the web page call
    pc.PhotoUrl = "images/parks/gallery" & PhotoID & "." &
GetFileType(LocalImageUrl).ToLower

ElseIf fullThumb = "thumb" Then
    '-----
    'Thumbnail Image
    '-----

    pc.PhotoUrl = Server.MapPath("~/images/parks/thumbs/thumb" & PhotoID & "." &
GetFileType(LocalImageUrl).ToLower)
    '--> look for function replace below <--
    'file = file.Replace(" ", String.Empty)

    'Saving as a jpeg is definately a better option. When saved as a gif it looks messed
up.
    thumbNailImg.Save(pc.PhotoUrl, Drawing.Imaging.ImageFormat.Jpeg)

    'Shorten the file path for the web page call
    pc.PhotoUrl = "images/parks/thumbs/thumb" & PhotoID & "." &
GetFileType(LocalImageUrl).ToLower

End If

'Clean up / Dispose...
thumbNailImg.Dispose()
Else
    '=====
    'This is for saving the exact file coming in
    'It won't be used here since we are making sure
    'that all photos will be constrained
    '=====
    'Saving as a jpeg is definately a better option. When saved as a gif it looks messed up.
    fullSizeImg.Save(Response.OutputStream, Drawing.Imaging.ImageFormat.Jpeg)
End If

'Clean up / Dispose...
fullSizeImg.Dispose()

Return pc 'The photo Structure/properties
End Function

Public Function SaveFullImg(ByVal fileUpload As Integer, ByVal photoID As Integer) As String

Dim fileName As String = String.Empty

Select Case fileUpload
Case 1
    Dim FileType As String = fuParkPhoto1.PostedFile.FileName

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        fileName = Server.MapPath("~/images/fullsize/fs" & photoID & "." &
GetFileType(FileType).ToLower)
        Me.fuParkPhoto1.PostedFile.SaveAs(fileName)
    Case 2
        Dim FileType As String = fuParkPhoto2.PostedFile.FileName
        fileName = Server.MapPath("~/images/fullsize/fs" & photoID & "." &
GetFileType(FileType).ToLower)
        Me.fuParkPhoto2.PostedFile.SaveAs(fileName)
    Case 3
        Dim FileType As String = fuParkPhoto3.PostedFile.FileName
        fileName = Server.MapPath("~/images/fullsize/fs" & photoID & "." &
GetFileType(FileType).ToLower)
        Me.fuParkPhoto3.PostedFile.SaveAs(fileName)
    Case 4
        Dim FileType As String = fuParkPhoto4.PostedFile.FileName
        fileName = Server.MapPath("~/images/fullsize/fs" & photoID & "." &
GetFileType(FileType).ToLower)
        Me.fuParkPhoto4.PostedFile.SaveAs(fileName)
    Case 5
        Dim FileType As String = fuParkPhoto5.PostedFile.FileName
        fileName = Server.MapPath("~/images/fullsize/fs" & photoID & "." &
GetFileType(FileType).ToLower)
        Me.fuParkPhoto5.PostedFile.SaveAs(fileName)
    End Select

    Return fileName
End Function

Sub DeleteTempImg()

    Const IMAGE_DIRECTORY As String = "images/tempimg/"
    'Dim pics As ArrayList = New ArrayList()
    Dim s As String
    '-----
    '=== ADD GIF Photos to array
    For Each s In IO.Directory.GetFiles(HttpContext.Current.Server.MapPath(IMAGE_DIRECTORY),
"*.*gif")
        'Delete the temporary image saved to the temping folder
        If IO.File.Exists(s) Then
            IO.File.Delete(s)
        End If
    Next
    '-----
    For Each s In IO.Directory.GetFiles(HttpContext.Current.Server.MapPath(IMAGE_DIRECTORY),
"*.*jpg")
        'Delete the temporary image saved to the temping folder
        If IO.File.Exists(s) Then
            IO.File.Delete(s)
        End If
    Next
    '-----
    For Each s In IO.Directory.GetFiles(HttpContext.Current.Server.MapPath(IMAGE_DIRECTORY),
"*.*png")
        'Delete the temporary image saved to the temping folder
        If IO.File.Exists(s) Then
            IO.File.Delete(s)
        End If
    Next
End Sub

End Class

```