

Forum:[Hack Forums](#)

Thread: [A better way to "freeze screen" for Screen Capture?](#)

AEDEAD - November 28, 2014, 5:14 am

I have two forms, a Region selection form and a Freeze screen form. For the freeze screen form I'm using a picture box to display the captured screen image then it loads the Region selection forum to select a picture from the previous captured screen.

Is there any other way to go about doing this, preferably not requiring a second form just so I can screen capture it.

SubGenius - November 28, 2014, 8:45 am

Capture full screen, create a full screen form without borders, make forms BG image the captured image.

I hope u get the concept.

AEDEAD - November 28, 2014, 9:05 am

(Nov 28, 2014 09:45 AM)SubGenius Wrote: [CITE](#) Capture full screen, create a full screen form without borders, make forms BG image the captured image.

I hope u get the concept.

Oh wow thank you I didn't already do that and that was why I made this thread, specifically asking for a different way to do this instead of using a Form and a PictureBox...

Region Select

Code Imports System.Drawing

Imports System.Drawing.Imaging

Imports System.IO

Imports System.Text

Imports System.Net

Imports System.Web

Imports System.Math

Public Class RS

Private MyRectangle As Rectangle

Private Drawing As Boolean = False

Private StartX, StartY, CursorX, CursorY As Single

Dim saveDialog As New SaveFileDialog

Dim bmp As Bitmap

Dim graphics As Graphics

Dim KeyCode As String = File.ReadAllText(Application.StartupPath & "\APIKey.txt")

Public Const CTRL As Integer = &H0

Public Const WM_HOTKEY As Integer = &H312

Public Declare Function RegisterHotKey Lib "user32" (ByVal hwnd As IntPtr, ByVal id As Integer, ByVal fsModifiers As Integer, ByVal vk As Integer) As Integer

Public Declare Function UnregisterHotKey Lib "user32" (ByVal hwnd As IntPtr, ByVal id As Integer) As Integer

Private Sub HotKey_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

Call RegisterHotKey(Me.Handle, 1, CTRL, Keys.Escape)

End Sub

```

Private Sub HotKey_FormClosing(ByVal sender As System.Object, ByVal e As
System.Windows.Forms.FormClosingEventArgs) Handles MyBase.FormClosing
    Call UnregisterHotKey(Me.Handle, 100)
End Sub
Protected Overrides Sub WndProc(ByRef m As System.Windows.Forms.Message)
    If m.Msg = WM_HOTKEY Then
        Dim id As IntPtr = m.WParam
        Select Case (id.ToString)
            Case "1" : Application.Exit()
        End Select
    End If
    MyBase.WndProc(m)
End Sub
Private Sub Region_Drag_Paint(ByVal sender As Object, ByVal e As
System.Windows.Forms.PaintEventArgs) Handles Me.Paint
    If Drawing = True Then
        Dim Oral_Pen As New Pen(Brushes.Red, 2)
        Oral_Pen.DashStyle = Drawing2D.DashStyle.Solid
        MyRectangle = New Rectangle(Min(StartX, CursorX), _
        Min(StartY, CursorY), _
        Abs(StartX - CursorX), _
        Abs(StartY - CursorY))
        e.Graphics.FillRectangle(New SolidBrush(Color.Transparent), MyRectangle)
        e.Graphics.DrawRectangle(Oral_Pen, MyRectangle)
    End If
End Sub
Private Sub Region_Drag_MouseDown(ByVal sender As Object, ByVal e As
System.Windows.Forms.MouseEventArgs) Handles Me.MouseDown
    Me.Opacity = 100%
    Me.BackColor = Color.Fuchsia
    Drawing = True
    StartX = e.X
    StartY = e.Y
    CursorX = e.X
    CursorY = e.Y
End Sub
Private Sub Region_Drag_MouseMove(ByVal sender As Object, ByVal e As
System.Windows.Forms.MouseEventArgs) Handles Me.MouseMove
    If Not Drawing Then Exit Sub
    Dim G As Graphics = Me.CreateGraphics
    CursorX = e.X
    CursorY = e.Y
    Me.Invalidate()
End Sub
Private Sub Region_Drag_MouseUp(ByVal sender As Object, ByVal e As
System.Windows.Forms.MouseEventArgs) Handles Me.MouseUp
    Drawing = False
    Dim G As Graphics = Me.CreateGraphics
    G.DrawRectangle(Pens.Black, MyRectangle.X, MyRectangle.Y, MyRectangle.Width,
MyRectangle.Height)
    Me.Visible = False
    Try
        bmp = New Bitmap(MyRectangle.Width, MyRectangle.Height, PixelFormat.Format32bppArgb)
    
```

```

graphics = graphics.FromImage(bmp)
graphics.CopyFromScreen(MyRectangle.X, MyRectangle.Y, 0, 0,
Screen.PrimaryScreen.Bounds.Size, CopyPixelOperation.SourceCopy)
saveDialog.Filter = "png image|*.png"
saveDialog.Title = "Save image as"
saveDialog.ShowDialog()
If saveDialog.FileName <> "" Then
bmp.Save(saveDialog.FileName, ImageFormat.Png)
If KeyCode.ToString = String.Empty Then
Else
upload()
End If
End If
Catch ex As Exception : Application.Exit() : Finally
bmp = Nothing
graphics = Nothing
Me.WindowState = FormWindowState.Minimized
Me.Hide()
End Try
Me.Visible = True
Me.Invalidate()
Me.Dispose()
Application.Exit()
End Sub
Private Sub Region_Drag_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles MyBase.Load
Me.Focus()
Me.FormBorderStyle = Windows.Forms.FormBorderStyle.None
Me.TopMost = True
Me.Location = New Point(0, 0)
Me.Size = Screen.PrimaryScreen.Bounds.Size
Me.DoubleBuffered = True
End Sub
Sub upload()
Dim apiKey As String = KeyCode
Dim imageData() As Byte
Dim fileStream As FileStream = File.OpenRead(saveDialog.FileName)
imageData = New Byte((fileStream.Length) - 1) {}
fileStream.Read(imageData, 0, imageData.Length)
fileStream.Close()
Dim uploadRequestString As String = HttpUtility.UrlEncode("image", Encoding.UTF8) + "=" +
HttpUtility.UrlEncode(System.Convert.ToBase64String(imageData)) + "&" +
HttpUtility.UrlEncode("key", Encoding.UTF8) + "=" + HttpUtility.UrlEncode(apiKey, Encoding.UTF8)
Dim webRequest As HttpWebRequest =
CType(Net.WebRequest.Create("http://api.imgur.com/2/upload"), HttpWebRequest)
webRequest.Method = "POST"
webRequest.ContentType = "application/x-www-form-urlencoded"
webRequest.ServicePoint.Expect100Continue = False
Dim streamWriter As IO.StreamWriter = New IO.StreamWriter(webRequest.GetRequestStream)
streamWriter.Write(uploadRequestString)
streamWriter.Close()
Dim response As WebResponse = webRequest.GetResponse
Dim responseStream As Stream = response.GetResponseStream

```

```

Dim responseReader As StreamReader = New StreamReader(responseStream)
Dim responseString As String = responseReader.ReadToEnd
Dim ImageURL As String = Split(responseString, "<original>")(1).Split("<")(0)
Dim X As String
X = ImageURL
System.Diagnostics.Process.Start(X)
End Sub
End Class
Freeze Screen
Code Imports System.Drawing
Imports System.Drawing.Imaging
Public Class FreezeScreen
    Public bmp As Bitmap
    Public gfx As Graphics
    Private Sub FreezeScreen_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        bmp = New Bitmap(Screen.PrimaryScreen.Bounds.Width,
Screen.PrimaryScreen.Bounds.Height, PixelFormat.Format32bppArgb) : gfx =
Graphics.FromImage(bmp) : gfx.CopyFromScreen(Screen.PrimaryScreen.Bounds.X,
Screen.PrimaryScreen.Bounds.Y, 0, 0, Screen.PrimaryScreen.Bounds.Size,
CopyPixelOperation.SourceCopy) : PictureBox1.Image = bmp : Me.WindowState =
FormWindowState.Maximized : RS.Show()
    End Sub
End Class

```

As you see it works just fine, the only problem is the fact you have to see the form load up and it's just a bit nasty looking especially for a 'instant' screen capture. I Want everything to be execute and done as fast as possible in terms of Capturing the entire screen and displaying it for another capture to take picture of.

Ninja - November 28, 2014, 10:09 am

Have the form preloaded in the background and have it set the background on a key press, so that way it doesnt have to load the form each time.

SIM-1456245 - November 29, 2014, 6:35 am

Well you can draw on the zero handle, you might have some trouble figuring it out, but that does not require you to use a form. Just create graohics from handle zero and copy the screen onto it. But here comes the problem. The zero handle is redrawn pretty quickly, so you will need to find a way to hook into the paint message , or you can just use a loop, wouls not reccomend

Nikey646 - November 29, 2014, 6:40 am

(Nov 29, 2014 07:35 AM)Electroalek Wrote: [\[CITE\]](#) Well you can draw on the zero handle, you might have some trouble figuring it out, but that does not require you to use a form. Just create graohics from handle zero and copy the screen onto it. But here comes the problem. The zero handle is redrawn pretty quickly, so you will need to find a way to hook into the paint message , or you can just use a loop, wouls not reccomend

If you could do it on a zero handle, could you use a NativeWindow to do it?

SIM-1456245 - November 29, 2014, 1:14 pm

(Nov 29, 2014 07:40 AM)Nikey646 Wrote: [\[CITE\]](#) If you could do it on a zero handle, could you use a NativeWindow to do it?

I don't see a reason for NativeWindow, except if you are going to use it to hook onto the paint event.

PapaBeans - November 29, 2014, 3:36 pm

So you want to be able to capture an image of the screen, and have that image stay as the background (not wallpaper).

AEDEAD - November 29, 2014, 4:12 pm

(Nov 29, 2014 04:36 PM)PapaBeans Wrote: [\[CITE\]](#) So you want to be able to capture an image of the screen, and have that image stay as the background (not wallpaper).

Lol no, I already did that, you obviously can't read.

Nikey646 - November 29, 2014, 7:39 pm

(Nov 29, 2014 02:14 PM)Electroalek Wrote: [\[CITE\]](#) I don't see a reason for NativeWindow, except if you are going to use it to hook onto the paint event.

But wouldn't using a NativeWindow solve the re-draw issue of using a zerohandle, without effecting performance as much as a Form?

AEDEAD - November 29, 2014, 7:40 pm

(Nov 29, 2014 08:39 PM)Nikey646 Wrote: [\[CITE\]](#) But wouldn't using a NativeWindow solve the re-draw issue of using a zerohandle, without effecting performance as much as a Form?

Can you give me an example of what you were talking about?

Nikey646 - November 29, 2014, 8:16 pm

(Nov 29, 2014 08:40 PM)AEDEAD Wrote: [\[CITE\]](#) Can you give me an example of what you were talking about?

No, because you clearly think leeching is fine and won't use it to better your knowledge, so it'll be wasted time and effort on my end, especially considering you will take credit for all the work i do for you.

Dredd - November 30, 2014, 1:26 pm

I made something like this a long time ago I made a tutorial for it on my channel: [jake000001111v2](#)