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'Dan Morgan
'Copyright 2006 VisuMAX.
'This app monitors the US Dept of Homeland Security Feed using XML
Imports System.Xml
Imports System.Drawing
Imports System.Diagnostics

Public Class frmHLS

    Private mouseOffset As Point
    Private isMouseDown As Boolean = False
    Private oTheme As Theme
    Private selectedBit As Boolean = False
    Public WithEvents TrayIcon As NotifyIcon
    Private Showing As Boolean
    Public HLSStatus As String
    Public InternetStats As Boolean = True 'Assume we have internet connection

    Private Sub frmHLS_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
        Handles MyBase.Load
            'Call the Get Homeland Security Status
            GetHLSStatus()

            'Enable the timer to get the HLS security updates
            Timer1.Enabled = True

            'Makes a new instance of the tray icon. This automatically creates it on the
            system tray
            TrayIcon = New NotifyIcon

            'The form is showing so...
            Showing = True

            With TrayIcon
                .Visible = False 'Let's fill the tray icon
                'Because the form is currently shown, let's hide the tray
                icon
                .Icon = Me.Icon 'You can define the image to be shown here, i put the icon
                of the form
                .Text = HLSStatus 'This is the tool tip text that shows the icon (You can
                change it dinamicaly)
                .ContextMenu = Me.IconMenu 'This tells the icon to show the popup menu
                defined in the form
            End With
        End Sub

    Private Sub GetHLSStatus()

        Dim path As String
        path = Application.StartupPath

        Try
            'Gets XML from a website for deserialization
            Const URLString As String = "http://www.dhs.gov/dhspublic/getAdvisoryCondition
            "
            "http://www.visumax.com/getAdvisoryCondition.xml"

            Dim reader As XmlTextReader = New XmlTextReader(URLString)
            Do While (reader.Read())
                Select Case reader.NodeType
                    Case XmlNodeType.Element 'Display beginning of element.
                        If reader.HasAttributes Then 'If attributes exist
                            While reader.MoveToNextAttribute()
                                If reader.Value = "LOW" Then
                                    HLSStatus = "Error Threat Level: LOW"
                                    picBox.Image = Image.FromFile(path & "\LOW.jpg")
                                    Me.Icon = New Icon(path & "\GreenSpade.ico")
                                    InternetStats = True
                                End If
                            End While
                        End If
                    End Select
                End While
            End Try
        End Sub
    End Class
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ElseIf reader.Value = "GUARDED" Then
    HLSStatus = "Terror Threat Level: GUARDED"
    picBox.Image = Image.FromFile(path & "\GUARDED.jpg")
    Me.Icon = New Icon(path & "\BlueSpade.ico")
    InternetStats = True

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ElseIf reader.Value = "ELEVATED" Then
    HLSStatus = "Terror Threat Level: ELEVATED"
    picBox.Image = Image.FromFile(path & "\ELEVATED.jpg")
    Me.Icon = New Icon(path & "\YellowSpade.ico")
    InternetStats = True

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ElseIf reader.Value = "HIGH" Then
    HLSStatus = "Terror Threat Level: HIGH"
    picBox.Image = Image.FromFile(path & "\HIGH.jpg")
    Me.Icon = New Icon(path & "\OrangeSpade.ico")
    InternetStats = True

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ElseIf reader.Value = "SEVERE" Then
    HLSStatus = "Terror Threat Level: SEVERE"
    picBox.Image = Image.FromFile(path & "\SEVERE.jpg")
    Me.Icon = New Icon(path & "\RedSpade.ico")
    InternetStats = True
Else
    HLSStatus = "Terror Threat Level: UNKNOWN"
    picBox.Image = Image.FromFile(path & "\UNKNOWN.jpg")
    Me.Icon = New Icon(path & "\BlackSpade.ico")
    InternetStats = True

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End If
End While
End If

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Case XmlNodeType.Text 'Display the text in each element.
    '''Console.WriteLine(reader.Value)
Case XmlNodeType.EndElement 'Display end of element.
    '''Console.WriteLine("</" + reader.Name)
    '''Console.WriteLine(">")
End Select
Loop

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Catch ex As Exception
    If InternetStats = False Then
        Exit Sub
    End If
    InternetStats = False
    If InternetStats = False Then
        MsgBox("Can't get status. Feed or Internet connection may be down",
        MsgBoxStyle.Critical, "Error")
    End If
    HLSStatus = "Terror Threat Level: UNKNOWN"
    picBox.Image = Image.FromFile(path & "\UNKNOWN1.jpg")
    Me.Icon = New Icon(path & "\BlackSpade.ico")
End Try

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End Sub
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Private Sub Timer1_Tick(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Timer1.Tick
    Dim Flag As Boolean

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Timer1.Interval = 30000
Flag = True

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If Flag = True Then
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        GetHLSStatus()
        Flag = False
        With TrayIcon
            .Icon = Me.Icon
            .Text = HLSStatus
        End With
    End If

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End Sub
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Private Sub frmHLS_MouseUp(ByVal sender As Object, ByVal e As System.Windows.Forms.
MouseEventArgs) Handles Me.MouseUp
    ' Changes the isMouseDown field so that the form does
    ' not move unless the user is pressing the left mouse button.
    If e.Button = Windows.Forms.MouseButtons.Left Then
        isMouseDown = False
    End If
End Sub

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Private Sub frmSplForm_MouseDown(ByVal sender As Object, ByVal e As System.Windows.
Forms.MouseEventArgs) Handles MyBase.MouseDown
    Dim xOffset As Integer
    Dim yOffset As Integer

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    If e.Button = Windows.Forms.MouseButtons.Left Then
        xOffset = -e.X - SystemInformation.FrameBorderStyle.Width
        yOffset = -e.Y - SystemInformation.CaptionHeight - _
            SystemInformation.FrameBorderStyle.Height
        mouseOffset = New Point(xOffset, yOffset)
        isMouseDown = True
    End If
End Sub

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Private Sub frmSplForm_MouseMove(ByVal sender As Object, ByVal e As System.Windows.
Forms.MouseEventArgs) Handles MyBase.MouseMove
    'Code for moving the form when dragged with mouse
    If isMouseDown Then
        Dim mousePos As Point = Control.MousePosition
        mousePos.Offset(mouseOffset.X, mouseOffset.Y)
        Me.Location = mousePos
    End If
End Sub

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Private Sub butDestroy_Click(ByVal sender As System.Object, ByVal e As System.
EventArgs) Handles butDestroy.Click
    Me.Dispose()
    Application.Exit()
End Sub

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#Region " IconMenu Handlers "
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Private Sub MenuOpen_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles TrayIcon.DoubleClick, MenuOpen.Click
    ' This handler restores the window when you click open in the
    ' IconMenu-Open or when you double-click on the tray icon

    Me.WindowState = FormWindowState.Normal ' Restores the window
    Me.ShowInTaskbar = True ' Show the TaskBar button
    Showing = True ' The form is currently shown, so...
    TrayIcon.Visible = False ' Hides the tray icon

End Sub

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Private Sub MenuExit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles MenuExit.Click
    ' This handler exits the program when you click exit in the IconMenu-Exit
    ' WARNING!!!!: If you have a code for the closing of the program, call it
    ' !!!!!!!!!!!!! from here, or it may not be executed

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'This hides the tray icon before closing the
'application. This is necessary because of a
'problem with some Windows (like XP) that don't
'refresh the System Tray unless you hover the mouse over it
TrayIcon.Visible = False '
Me.Close() '           Closes the form
End '                 Ends the program

End Sub
#End Region

Private Sub frmHLS_SizeChanged(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.SizeChanged
' This handler hides the Taskbar button of the window and shows the tray icon
' if the form was minimized
If Showing And Me.WindowState = FormWindowState.Minimized Then
    Showing = False '           The form is currently hidden, so...
    Me.ShowInTaskbar = False '   Hides the Taskbar button of the form
    TrayIcon.Icon = Me.Icon '   Set Icon to current form icon
    TrayIcon.Visible = True '   Shows the tray icon
End If
End Sub

Private Sub MenuHLS_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles MenuHLS.Click
    System.Diagnostics.Process.Start("http://www.dhs.gov/")
End Sub

Private Sub picBox_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles picBox.Click
    Try
        System.Diagnostics.Process.Start("http://www.dhs.gov/interweb/assetlibrary/
CitizenGuidanceHSAS2.pdf")
    Catch ex As Exception
        MsgBox("Can't get status. Feed or Internet connection may be down",
MsgBoxStyle.Critical, "Error")
    End Try
End Sub

Private Sub butMin_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles butMin.Click
    Me.WindowState = FormWindowState.Minimized 'Minimize window
End Sub

Private Sub butAbout_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles butAbout.Click
    Try
        System.Diagnostics.Process.Start("http://www.visumax.com/HLS/")
    Catch ex As Exception
        MsgBox("Can't get status. Feed or Internet connection may be down",
MsgBoxStyle.Critical, "Error")
    End Try
End Sub
End Class
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