ATCNotification

ATCNotification is a program for your Windows Computer and mobile device. It notifies you when you have been contacted by a pilot or Air Traffic Controller on the VATSIM Network if you are using vPilot.

Features

* 100% free to use
* Simple program
* Clean UI
* iOS and Android\* support

ATCN allows users to type their CID into the search box. When the users hit connect, the app will search for their plane on a map, and will alert them if they are in a connect air traffic controllers airspace

callsign:cid:realname:clienttype:frequency:latitude:longitude:altitude:groundspeed:planned\_aircraft:planned\_tascruise:planned\_depairport:planned\_altitude:planned\_destairport:server:protrevision:rating:transponder:facilitytype:visualrange:planned\_revision:planned\_flighttype:planned\_deptime:planned\_actdeptime:planned\_hrsenroute:planned\_minenroute:planned\_hrsfuel:planned\_minfuel:planned\_altairport:planned\_remarks:planned\_route:planned\_depairport\_lat:planned\_depairport\_lon:planned\_destairport\_lat:planned\_destairport\_lon:atis\_message:time\_last\_atis\_received:time\_logon:heading:QNH\_iHg:QNH\_Mb:

In my opinion it would be simplest to download each URL's text to a temp file. Then use a stream reader to read each line of the file until the CID is found. Once that line is found parse it and you will know by splitting the line on colons which area in the array contains the information you desire as long as the files are always formatted in this manner.

OLD CODE:

Public Class Form1

Private Sub Connect\_Click(sender As Object, e As EventArgs) Handles Connect.Click 'Connect function

If Connect.Text = "Connect" And IsNumeric(CIDBox.Text) = True Then 'Checks if it's numbers in the box

Dim chosenURL = myURLs(myRand.Next(0, 4)) 'Random code that idk what it does

Connect.Text = "Disconnect"

callsignbox.Text = "VIR12E"

CurrentAirspace.Text = "Gander FIR - Offline"

ElseIf Trim(CIDBox.Text & vbNullString) = vbNullString Then 'Checks if CID box is empty then shows instructions

Instructions.Visible = True

ElseIf IsNumeric(CIDBox.Text) = False Then 'Checks if CID box has letters then shows instructions

NumberInfo.Visible = True

ElseIf Connect.Text = "Disconnect" Then 'Disconnects them

Connect.Text = "Connect"

callsignbox.Text = vbNullString

End If

End Sub

Private myURLs As String() = {"http://vatsim-data.hardern.net/vatsim-data.txt", "http://wazzup.flightoperationssystem.com/vatsim/vatsim-data.txt", "http://vatsim.aircharts.org/vatsim-data.txt", "http://info.vroute.net/vatsim-data.txt"}

Private myRand As New Random

End Class

//////////////////////////

Option Strict On

Public Class Form1

Private Sub Form1\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Me.Location = New Point(CInt((Screen.PrimaryScreen.WorkingArea.Width / 2) - (Me.Width / 2)), CInt((Screen.PrimaryScreen.WorkingArea.Height / 2) - (Me.Height / 2)))

TextBox1.Text = "811479" ' CID of Mark Crabtree

End Sub

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click

' Donwload file from URL to string

Dim text = New Net.WebClient().DownloadString("http://vatsim.aircharts.org/vatsim-data.txt")

' Clear TextBox's

TextBox2.Clear()

TextBox3.Clear()

TextBox4.Clear()

TextBox5.Clear()

TextBox6.Clear()

TextBox7.Clear()

TextBox8.Clear()

If text <> "" Then ' Validate string contains data

' Split the string on the carriage retruns (ChrW(13)). This will provide a string array with each line of the

' text so that each line can be read for the CID. Test was for the CID used by Mark Crabtree - 811479.

Dim SplitText() As String = text.Split(ChrW(13))

Dim InputString As String = ""

For i = 0 To SplitText.Count - 1

If SplitText(i).Contains(TextBox1.Text) Then ' Check for CID displayed in TextBox1.

InputString = SplitText(i) ' Get the index to a string if it has the CID.

Exit For

End If

Next

' The array for this test had 768 indexes of lines from the downloaded string.

' Validate the InputString is not empty. Then split it on colons :.

' Note that the values are contained in indexes 0 to 6 of the OutputString. However index 2 has the name

' and home airport of the pilot. So you have to get the substring of the name and the substring of the home airport

' and the code assumes the home airport is always the last 4 characters of this indexes string.

Dim OutputString() As String

If InputString <> "" Then

RichTextBox1.AppendText(InputString)

OutputString = InputString.Split(":"c)

TextBox2.Text = OutputString(0)

TextBox3.Text = OutputString(1)

TextBox4.Text = OutputString(2).Substring(0, OutputString(2).Count - 4)

TextBox5.Text = OutputString(2).Substring(OutputString(2).Count - 4, 4)

TextBox6.Text = OutputString(3)

TextBox7.Text = OutputString(5)

TextBox8.Text = OutputString(6)

End If

End If

End Sub

End Class

callsignbox.Text = OutputString(0)

CurrentAirspace.Text = OutputString(1)

TextBox4.Text = OutputString(2).Substring(0, OutputString(2).Count - 4)

TextBox5.Text = OutputString(2).Substring(OutputString(2).Count - 4, 4)

TextBox6.Text = OutputString(3)

TextBox7.Text = OutputString(5)

TextBox8.Text = OutputString(6)