' Michael Voell

' Earth Day Run

' 2/1/2016

' Purpose: To determine the total contributions recieved by the fund raising runners at the Earth Day 5K Run.

Option Strict On

Imports System.IO

Public Class frmEarthDayRun

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

' Variables

Dim intCount As Integer = 0

Dim intCount2 As Integer = 0

Dim intAverageAgeAccum As Integer = 0

Dim intTotal, intAge, intAverage As Double

Dim Str As String

Dim filePath = "E:\Advanced VB\EarthDayRun\EarthDayRun\earthdayrun.txt"

' Checking to see if file exists

If IO.File.Exists(filePath) Then

' Finding the average age

Using reader As New StreamReader(filePath)

Do Until reader.EndOfStream

Dim line = reader.ReadLine()

intCount += 1

If intCount Mod 3 = 1 Then

lstRunners.Sorted = True

lstRunners.Items.Add(line)

lblRunnerCountOutput.Text = lstRunners.Items.Count.ToString()

End If

If intCount Mod 3 = 2 Then

lstAgeOutput.Sorted = True

lstAgeOutput.Items.Add(line)

For Each Str In Me.lstAgeOutput.Items

intCount2 = intCount2 + 1

intAge = Val(Str)

intTotal = intTotal + intAge

Next

intAverage = intTotal / intCount2

lblAverageAgesOutput.Text = intAverage.ToString("N0")

End If

Loop

End Using

Else

' Displaying an error if the file cannot be found

MsgBox("File is not available.")

Close()

End If

End Sub

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

lstRunners.Items.Clear()

lblRunnerCountOutput.Text = "00"

lblAverageAgesOutput.Text = "00"

End Sub

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

Close()

End Sub

End Class

