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Thread: [How to create a Simple Stopwatch](#)

VmX5 - September 6, 2015, 10:32 pm

Okay so Never posted in a while and this seems to difficult to many beginners so decided to do a tutorial on a Simple Stop watch! So Lets get started!

This Stopwatch consists of

- 1 Label - Named "Time" - Format : HOURS:MIN:SEC:MILSEC
- 4 Buttons - Start, Stop, Lap, Reset
- 1 Timer - Interval = 1, Enabled = False
- 1 Listbox

I made mine look like this :

Okay So lets see the code!

Before we get started we need to declare 2 variables below the Public Class Form1 line

Code Dim sWatch As New Diagnostics.Stopwatch

Dim Lap As Integer

Now we have declared our Variables for a stopwatch and Lap Count we can start with out buttons

Start Button :

Code Timer1.Start() 'Its as simple as that because the Main code will be within the timer.

Stop Button :

Code Timer1.Stop()

This will be the code for our Lap Button

Code Lap = Lap + 1

ListBox1.Items.Add("Lap " & Lap.ToString & " - " & Time.Text)

'Will add a item to the listbox with the lap count and current time example (Lap 1 - 00:01:52:235)

Reset Button :

Code sWatch.Stop()

sWatch.Reset()

Lap = 0

Timer1.Stop()

ListBox1.Items.Clear()

Time.Text = "00:00:00:000"

'All This does is reset all the variables, the label, and the listbox to its default state.

And Finally this is the CORE of the program, The Timer!

Code Dim tSpan As TimeSpan = sWatch.Elapsed

Time.Text = String.Format("{0:00}:{1:00}:{2:00}:{3:00}", Math.Floor(tSpan.TotalHours), tSpan.Minutes, tSpan.Seconds, tSpan.Milliseconds)

If enough people want then I'll make a tutorial on a Alarm!

asdfghjklwertyuio345678 - September 7, 2015, 12:22 am

This is good to use on timers when auto refreshing web pages etc. Good share man.

BahNahNah - September 7, 2015, 3:43 am

(Sep 7, 2015 12:22 AM)Ja-ke Wrote: [\[CITE\]](#) This is good to use on timers when auto refreshing web pages etc. Good share man.

Or just use a timer? ?

nathan72389 - September 7, 2015, 4:53 am

Or you know you could of just used the stopwatch class.

LordCoder - September 7, 2015, 5:52 am

Timer and Stopwatch? lol.

asdfghjklwertyuio345678 - September 9, 2015, 8:33 am

(Sep 7, 2015 03:43 AM)BahNahNah Wrote: [\[CITE\]](#) Or just use a timer? ?

You could use both. Have the stopwatch counting inside the timer. ?

Code using System.Diagnostics;

Stopwatch Stopwatch = new Stopwatch();

// add to button1 click

Stopwatch.Reset();

Stopwatch.Start();

timer1.Start();

// add to timer1 tick

if(Stopwatch.Elapsed.Seconds == 10)

{

 // Do something after 10 second mark is reached

}