

Емитер 9/2013 – C# апликација - потсетник за одморање на очите

Код со главната функционалност на апликацијата

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace EmitterEyeHelper
{
    public partial class Form1 : Form
    {
        int workingTime;
        int restingTime;
        Form frmRest;
        Label l;

        string msg_next_resting_time = "Следно време за одмор:";
        string msg_rest_your_eyes = "Одморете ги очите во наредните {0} секунди";

        int WORKING_TIME=1200;
        int RESTING_TIME=20;
        public Form1()
        {
            InitializeComponent();

            Timer t = new Timer();
            t.Enabled = true;
            t.Interval = 1000;
            t.Tick += new EventHandler(t_Tick);
            restingTime = RESTING_TIME;
            workingTime = WORKING_TIME;

            frmRest = new Form();
            frmRest.BackColor = Color.LightGreen;
            frmRest.ControlBox = false;
            frmRest.FormBorderStyle = System.Windows.Forms.FormBorderStyle.FixedSingle;
            frmRest.Size = new System.Drawing.Size(Screen.PrimaryScreen.Bounds.Width,
Screen.PrimaryScreen.Bounds.Height);

            l = new Label();
            l.Font = new System.Drawing.Font("Arial", 40);
            l.ForeColor = Color.Green;
            l.BackColor = Color.LightGreen;
            l.AutoSize = true;
            l.Location = new System.Drawing.Point((frmRest.Size.Width / 2) - (l.Size.Width / 2),
(frmRest.Size.Height / 2) - (l.Size.Height / 2));

            frmRest.Controls.Add(l);
            frmRest.TopMost = true;
        }
    }
}
```

```

}

private void exitToolStripMenuItem_Click(object sender, EventArgs e)
{
    notifyIcon1.Visible = false;
    Application.Exit();
}

private void notifyIcon1_MouseDoubleClick(object sender, MouseEventArgs e)
{
    if (e.Button == System.Windows.Forms.MouseButtons.Left)
    {
        notifyIcon1.BalloonTipText = toTimeSpan(workingTime);
        notifyIcon1.BalloonTipTitle = msg_next_resting_time;
        notifyIcon1.ShowBalloonTip(1000);
    }
}

void t_Tick(object sender, EventArgs e)
{
    if (workingTime < 0)
    {
        if (restingTime < 0)
        {
            workingTime = WORKING_TIME;
            frmRest.Hide();
        }
        else
        {
            I.Text = String.Format(msg_rest_your_eyes, restingTime.ToString().PadLeft(2, '0'));
            I.Location = new System.Drawing.Point((frmRest.Size.Width / 2) - (I.Size.Width / 2),
(frmRest.Size.Height / 2) - (I.Size.Height / 2));
            frmRest.Show();
            restingTime--;
        }
    }
    else
    {
        restingTime = RESTING_TIME;
        workingTime--;
    }
}

private string toTimeSpan(int ticks)
{
    int hours = 0, minutes = 0, seconds = 0;
    hours = ticks / 3600;
    minutes = ticks / 60;
    seconds = ticks % 60;
    return hours.ToString().PadLeft(2, '0').ToString().PadLeft(2, '0') + ":" + minutes.ToString().PadLeft(2, '0')
+ ":" + seconds.ToString().PadLeft(2, '0');
}
}

```