using System;

using System.Drawing;

using System.Windows.Forms;

using System.Text.RegularExpressions;

public class MatchEngine : Form

{

Button buttonMatch = new Button();

TextBox txtMain = new TextBox();

TextBox txtSub = new TextBox();

Label labelMainText = new Label();

Label labelSubText = new Label();

public MatchEngine()

{

buttonMatch.Location = new Point(50, 100);

buttonMatch.Text = "Match";

buttonMatch.Click += new System.EventHandler(this. buttonMatch\_Click);

this.Controls.Add(buttonMatch);

txtMain.Location = new Point(10, 20);

txtMain.Size = new Size(150, 10);

this.Controls.Add(txtMain);

txtSubText.Location = new Point(10, 60);

txtSubText.Size = new Size(150, 10);

this.Controls.Add(txtSubText);

labelMainText.Location = new Point(10, 5);

labelMainText.Size = new Size(144, 15);

labelMainText.Text = "Main Text";

this.Controls.Add(labelMainText);

labelSubText.Location = new Point(10, 45);

labelSubText.Size = new Size(144, 15);

labelSubText.Text = "Match Text";

this.Controls.Add(labelSubText);

}

private void buttonMatch \_Click(object sender, System.EventArgs e)

{

string strMainText = txtMain.text;

string strSubText = txtSub.text;

if ((**string.IsNullOrEmpty**(strMainText)) ||

((**string.IsNullOrEmpty**(strSubText))

)

{

Console.WriteLine("Incorrect Data provided.");

}

else

{

If (strMainText.Length > strSubText.Length)

{

try

{

foreach (Match match in Regex.Matches(strMainText,

strSubText, RegexOptions.IgnoreCase))

Console.WriteLine("Found '{0}' at position

{1}", match.Value,match.Index);

}

catch (RegexMatchTimeoutException)

{

Console.WriteLine("No match found.");

}

}

else

{

Console.WriteLine("Main text must be longer than

subtext.");

}

}

}

public static void Main(string[] args)

{

Application.Run(new MatchEngine());

}

}