

Visual Studio C#

<https://learn.microsoft.com/en-us/visualstudio/ide/create-csharp-winform-visual-studio?view=vs-2022>

<https://learn.microsoft.com/en-us/azure/postgresql/single-server/connect-csharp>

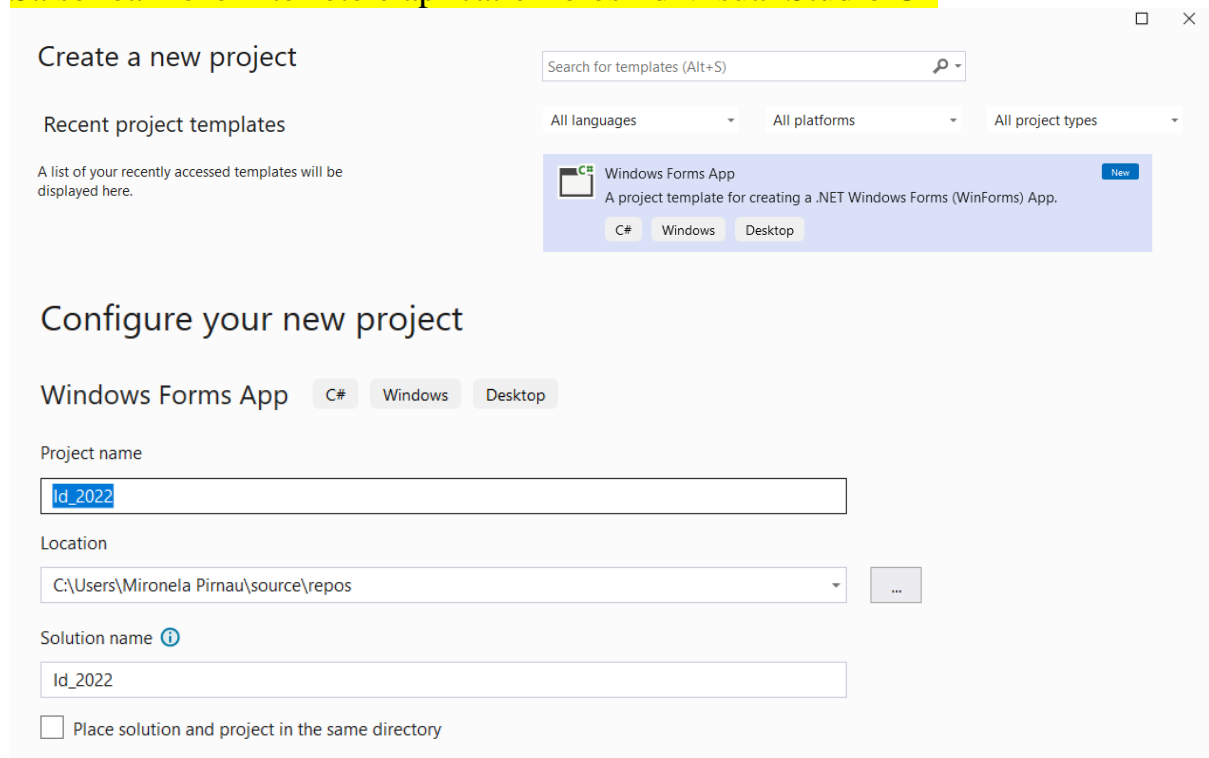
<https://www.guru99.com/c-sharp-windows-forms-application.html>

<https://www.guru99.com/net-framework.html>

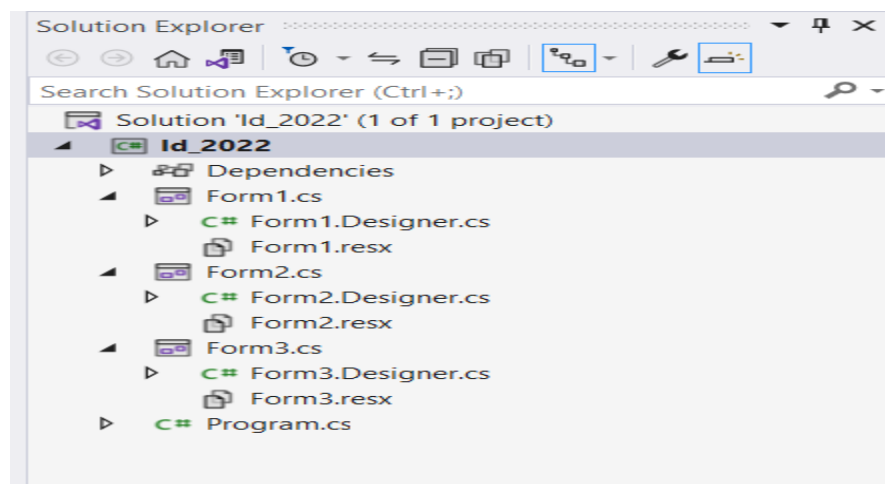
https://www.youtube.com/watch?v=_6lc22dLl48&ab_channel=LearningProgrammingTutorial

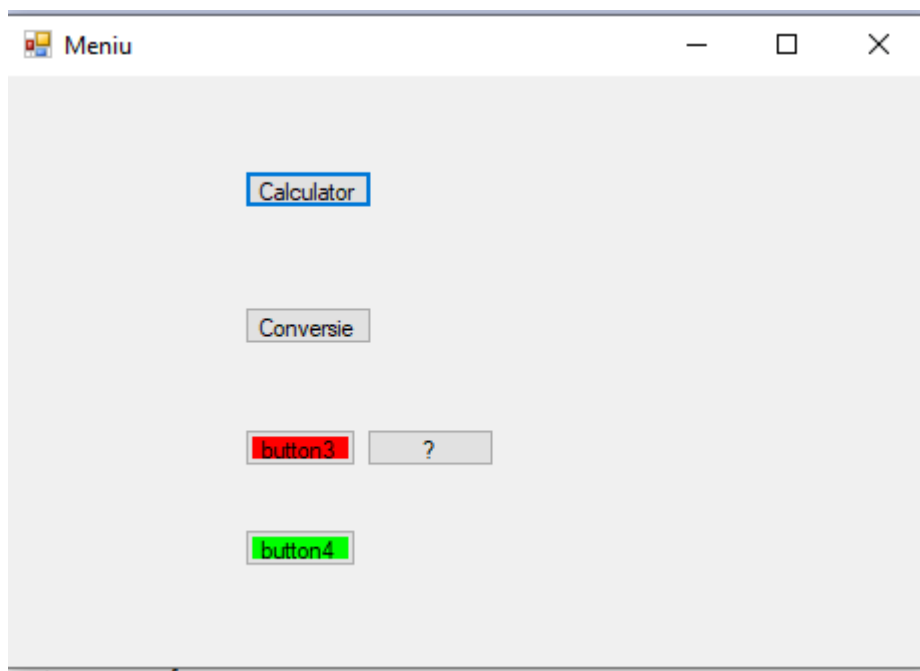
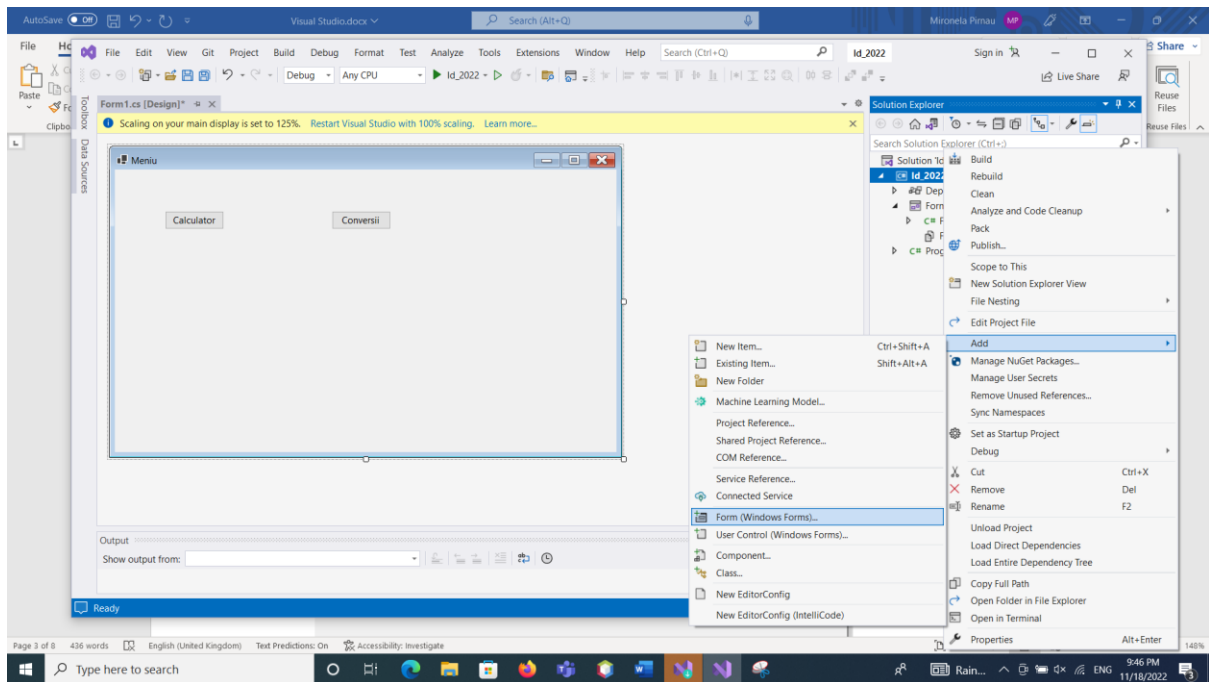
Construirea unei interfețe grafice în C#

Sa se realizeze Interfețele aplicatiei folosind Visual Studio C#



Se proiecteaza structura folosind elementele din ViewàToolBox





Form 2

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

```

namespace FormApp1
{
    public partial class Menu : Form
    {
        public Menu()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            Calculator calc = new Calculator();
            calc.Show();
            this.Hide();
        }

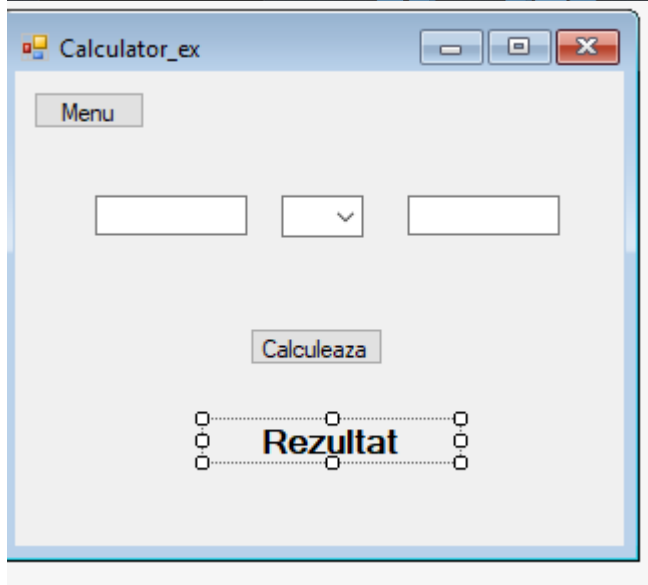
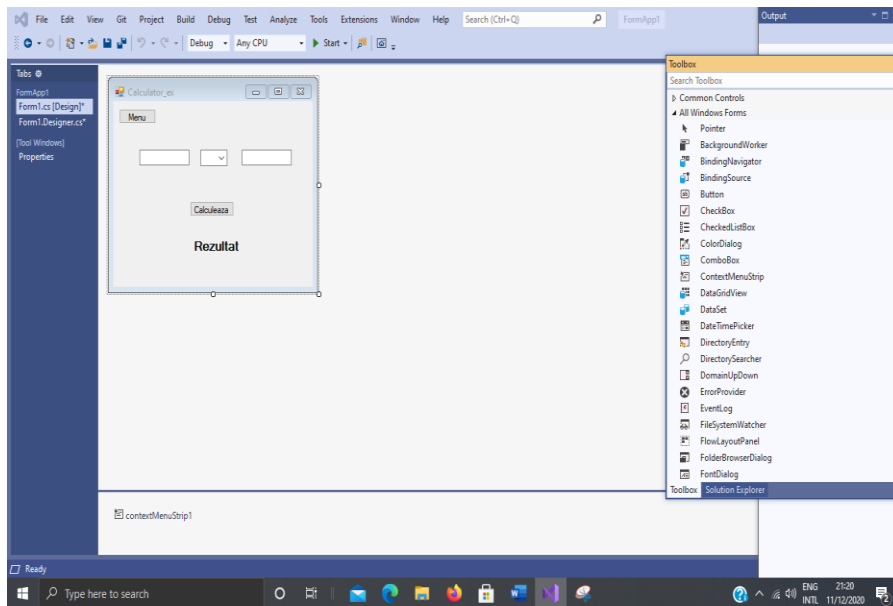
        private void button3_Click(object sender, EventArgs e)
        {
        }

        private void button2_Click(object sender, EventArgs e)
        {
            Form3 next_frame = new Form3();
            next_frame.Show();
            this.Hide();
        }

        private void btnQuestion_Click(object sender, EventArgs e)
        {
            btn3.Hide();
            btn4.Location = new Point(130, 80);

        }
    }
}

```



Butonul Calculeaza contine codul

```
string selectedItem =
OPcomboBox.Items[OPcomboBox.SelectedIndex].ToString();
int result = 0;
double rez = 1;
try
{
switch (selectedItem)
{
case "+":
{
result = Convert.ToInt32(operand1.Text) +
Convert.ToInt32(operand2.Text);
RezLabel.Text = result.ToString();
}
```

```

break;
    }
case "-":
    {
        result = Convert.ToInt32(operand1.Text) -
Convert.ToInt32(operand2.Text);
        RezLabel.Text = result.ToString();
break;
    }
case "*":
    {
        rez = Convert.ToDouble(operand1.Text) *
Convert.ToDouble(operand2.Text);
RezLabel.Text = rez.ToString();
break;
    }
case "/":
    {
        rez = (Convert.ToDouble(operand1.Text) /
Convert.ToDouble(operand2.Text));
        RezLabel.Text = rez.ToString();
break;
    }
default:
    {
        RezLabel.Text = "Error!";
break;
    }
}

catch
{
    RezLabel.Text = "Error!";
}

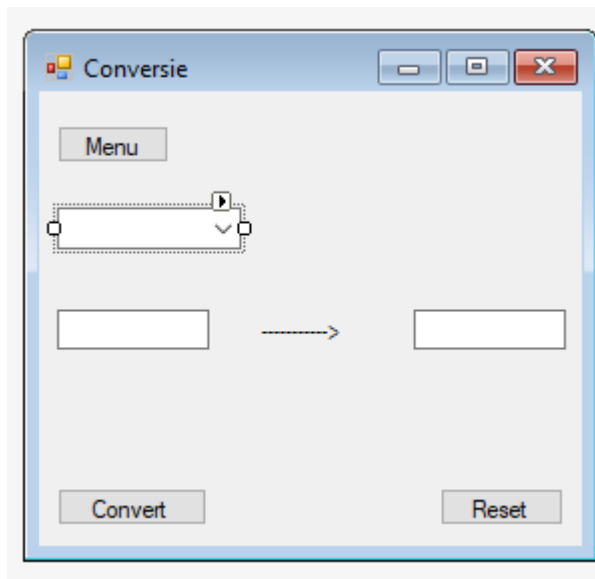
```

Butonul Meniu are codul

```

Menu meniu = new Menu(); //este numele unui alt Forma
    meniu.Show();
this.Hide();

```



```

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

namespace FormApp1
{
    public partial class Form3 : Form
    {
        public Form3()
        {
            InitializeComponent();
            ConvertComboBox.SelectedIndex = 0;
        }
        private void BTNMenu_Click(object sender, EventArgs e)
        {
            Menu meniu = new Menu();
            meniu.Show();
            this.Hide();
        }
        private void btnConvert_Click(object sender, EventArgs e)
        {

```

```

string selectedItem =
ConvertComboBox.Items[ConvertComboBox.SelectedIndex].ToString();
double t1, t2;
try
    {
switch (selectedItem)
    {
case "Inch -> CM":
        {
            t1 = Convert.ToDouble(textBox1.Text);
            t2 = t1 * 2.54;
            textBox2.Text = t2.ToString();
break;
        }
case "Celsius -> Fahrenheit":
        {
            t1 = Convert.ToDouble(textBox1.Text);
            t2 = t1 * 33.8;
            textBox2.Text = t2.ToString();
break;
        }
case "Mile -> KM":
        {
            t1 = Convert.ToDouble(textBox1.Text);
            t2 = t1 * 1.60935;
            textBox2.Text = t2.ToString();
break;
        }
case "Meter -> Yard":
        {
            t1 = Convert.ToDouble(textBox1.Text);
            t2 = t1 * 1.0936132983;
            textBox2.Text = t2.ToString();
break;
        }
case "Liters -> M3":
        {
            t1 = Convert.ToDouble(textBox1.Text);
            t2 = t1 * 0.001;
            textBox2.Text = t2.ToString();
break;
        }
    }

```

```
default:
    {
break;
    }
}

catch
{
    RezLabel.Text = "Error!";
}

private void btnReset_Click(object sender, EventArgs e)
{
    textBox1.Text = "";
    textBox2.Text = "";
}
}
```