

LAB #1 Excerise
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Lab 1 Exercises

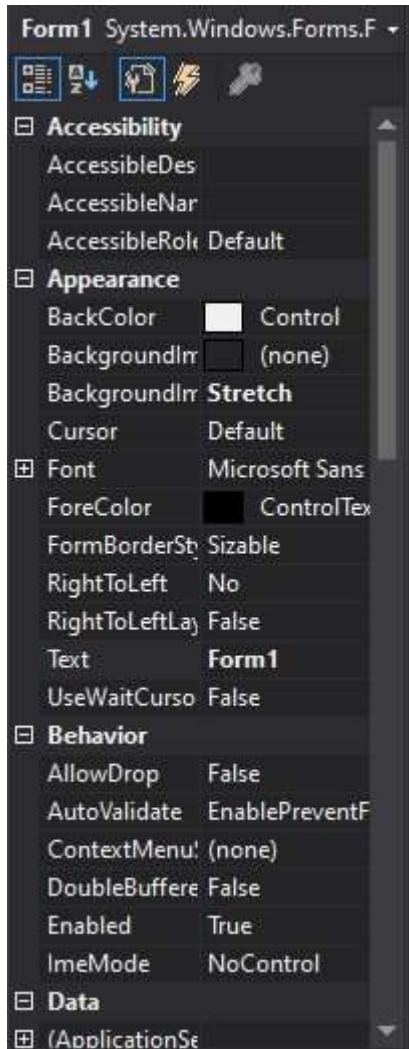
All students are asked to develop window form application individually. Application should have minimum five forms. All form open in MDI parent form. MDI parent form should have menu strip control. All forms should have multiple controls and some functionality on it.

Students are asked to develop application on (but not limited to) following topic:

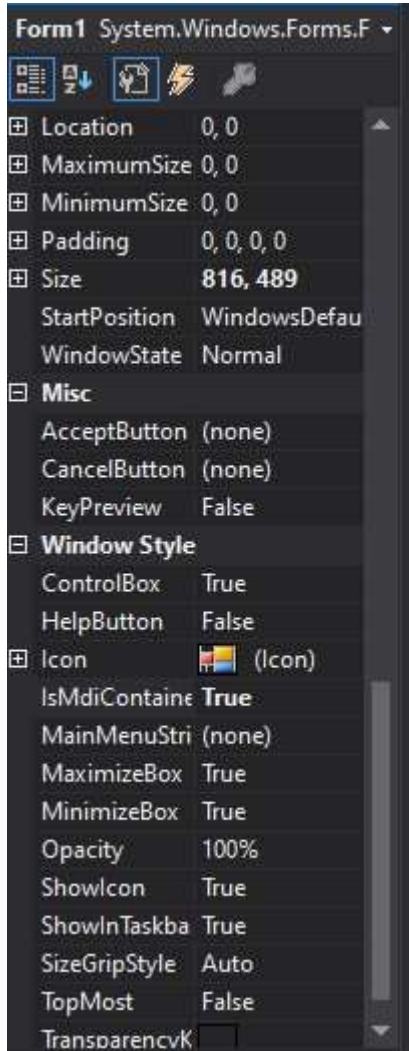
- Hospital Management System
- School Management System
- Learning Management System
- Online Ticket Application
- Library Application
- Online FIR System
- Inventory Management System
- Etc

MDI Container (Form1) Properties:

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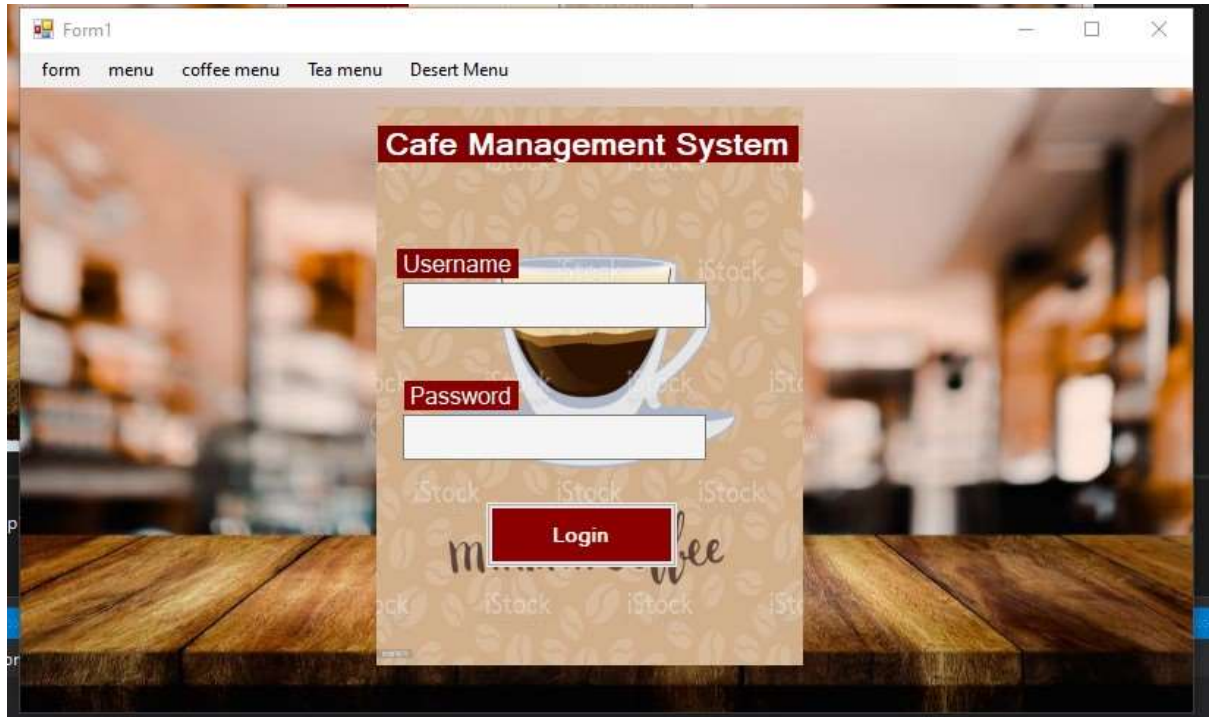


IsMdiContainer True

MDI Container (Form1)with Sign up Form:

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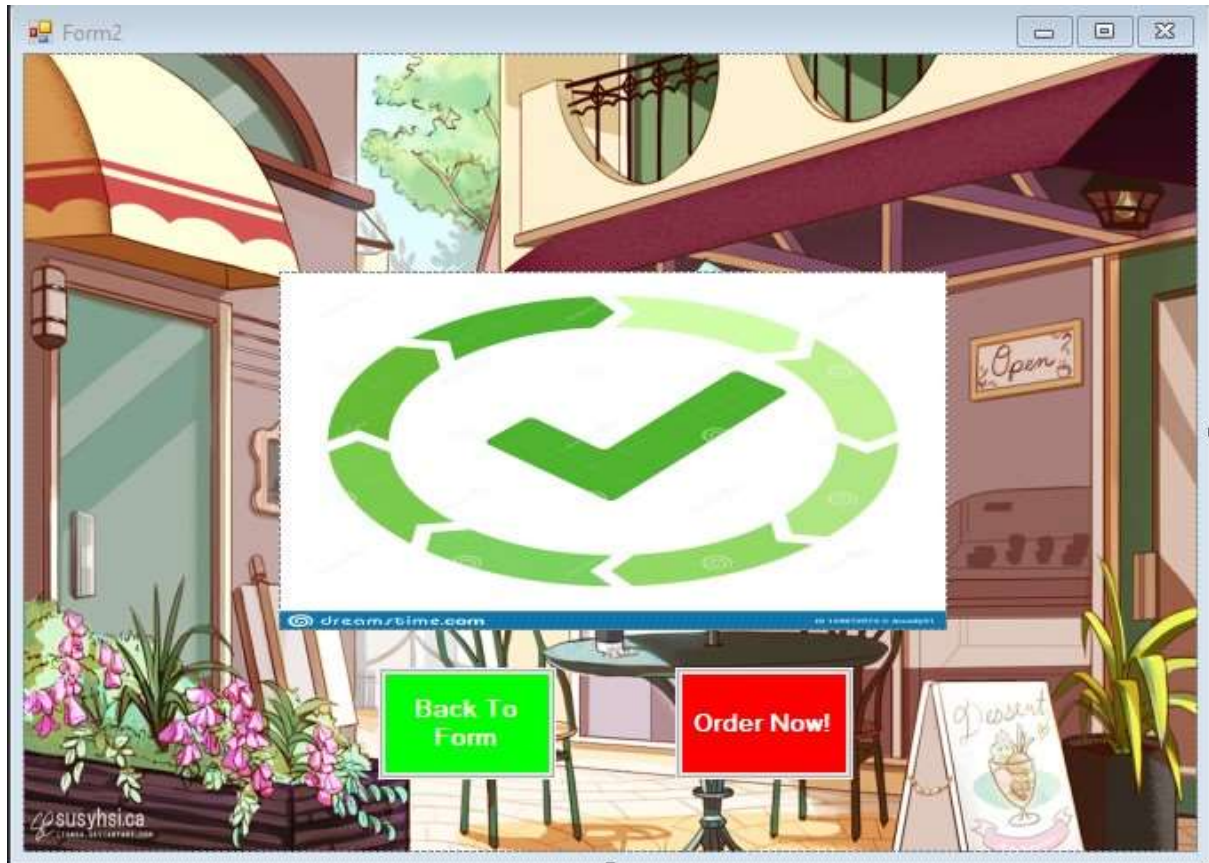
Form 1:



The screenshot displays a web browser window titled 'Form1'. The browser's address bar shows a menu with items: 'form', 'menu', 'coffee menu', 'Tea menu', and 'Desert Menu'. The main content area features a login interface for a 'Cafe Management System'. The interface has a light beige background with a subtle coffee bean pattern and a central image of a white coffee cup. The title 'Cafe Management System' is at the top in a dark red box. Below it, there are two input fields: 'Username' and 'Password', each with a red label. A red 'Login' button is positioned below the password field. The background of the login form is a blurred image of a cafe interior with a wooden counter in the foreground.

Form 2:

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Form 3:

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Form 4:

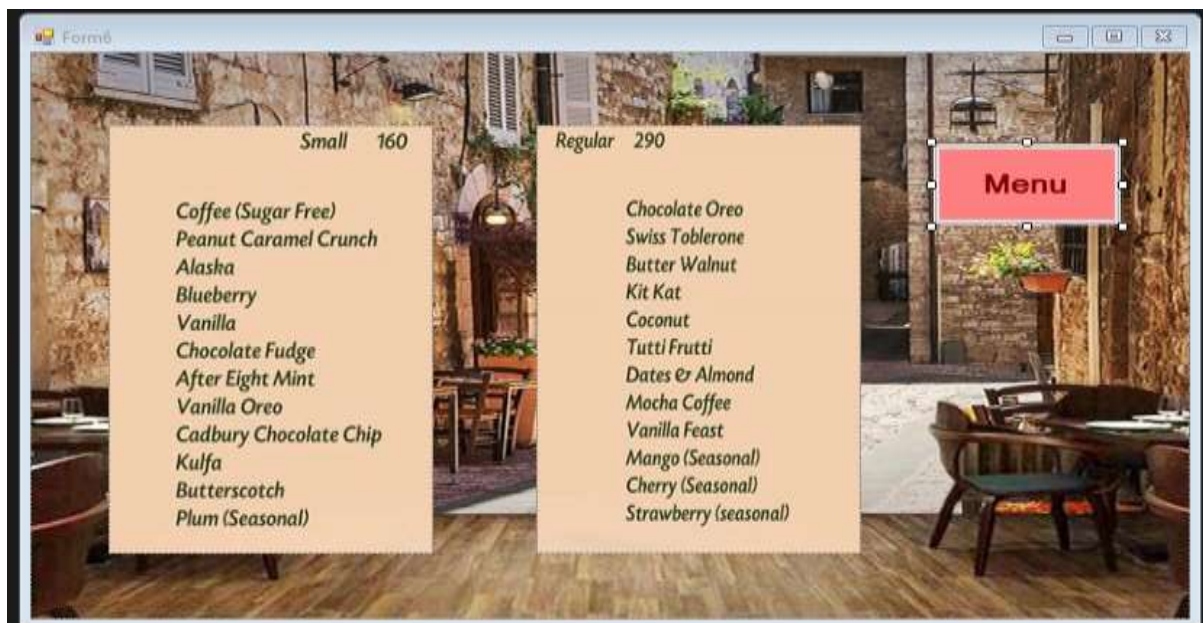


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Form 5:



Form 6:



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Code:

```
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 WindowsFormsApp1
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();

            private void menuToolStripMenuItem_Click(object sender,
EventArgs e)
            {
                Form3 f3 = new Form3();
                f3.MdiParent= this;
                LayoutMdi(MdiLayout.Cascade);
                pictureBox1.Hide();
                panel1.Hide();
                pictureBox2.Hide();
                f3.Show();
            }

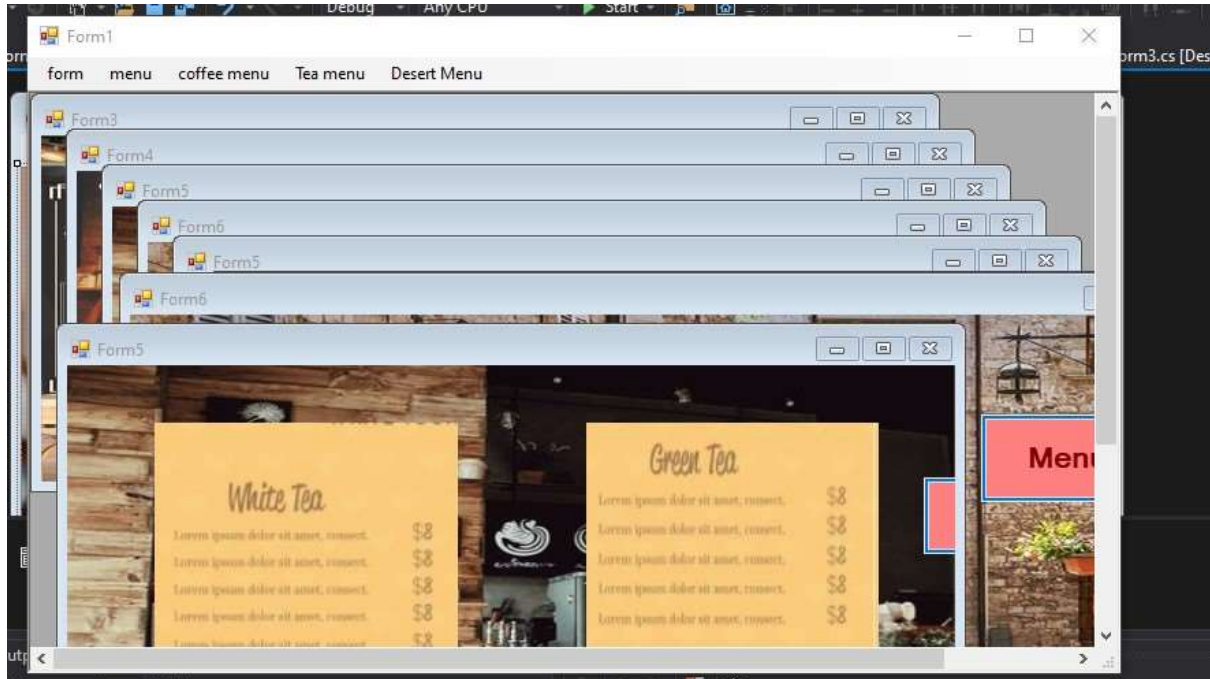
            private void coffeeToolStripMenuItem_Click(object
sender, EventArgs e)
            {
                Form4 f4 = new Form4();
                f4.MdiParent = this;
                LayoutMdi(MdiLayout.Cascade);
                pictureBox1.Hide();
                panel1.Hide();
            }
        }
    }
}
```


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```
        pictureBox2.Hide();  
        f4.Show();  
    }  
  
    private void teaMenuToolStripMenuItem_Click(object sender,  
EventArgs e)  
    {  
        Form5 f5 = new Form5();  
        f5.MdiParent = this;  
        LayoutMdi(MdiLayout.Cascade);  
        pictureBox1.Hide();  
        panel1.Hide();  
        pictureBox2.Hide();  
        f5.Show();  
    }  
  
    private void desertMenuToolStripMenuItem_Click(object  
sender, EventArgs e)  
    {  
        Form6 f6 = new Form6();  
        f6.MdiParent = this;  
        LayoutMdi(MdiLayout.Cascade);  
        pictureBox1.Hide();  
        panel1.Hide();  
        pictureBox2.Hide();  
        f6.Show();  
    }  
  
    private void button1_Click(object sender, EventArgs e)  
    {  
        Form2 f2 = new Form2();  
        f2.MdiParent = this;  
        LayoutMdi(MdiLayout.Cascade);  
        pictureBox1.Hide();  
        panel1.Hide();  
        pictureBox2.Hide();  
        f2.Show();  
    }  
}
```

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Output (All Child Forms in MDI Parent):



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