

**AIM→ ListView Control**

**Create a windows Form for Hotel Menu using ListView.**

**Code:**

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

namespace Practical_9
{
    public partial class Form1 : Form
    {
        int Total = 0;
        public Form1()
        {
            InitializeComponent();
        }
        private void addItems(string item, int price)
        {
            ListViewItem item1 = new ListViewItem(item);
            item1.SubItems.Add(price.ToString());
            listView1.Items.Add(item1);
        }

        private void Form1_Load(object sender, EventArgs e)
        {
            listView1.GridLines = true;
            listView2.GridLines = true;
            listView1.View = View.Details;
            listView2.View = View.Details;
            listView2.FullRowSelect = true;
            listView1.FullRowSelect = true;
            listView1.Columns.Add("items name", 120);
            listView1.Columns.Add("Price");
            listView2.Columns.Add("Items name", 120);
            listView2.Columns.Add("Quantity", 70);
            listView2.Columns.Add("Total cost", 60);

            addItems("pizza", 450);
        }
    }
}
```

```
        addItem("sandwich", 200);
        addItem("omlet", 70);
        addItem("Aloo puri", 20);
        addItem("Khawsa", 40);
        addItem("Dosa", 200);
        addItem("Mcpuff", 250);
        addItem("frankie", 90);
        addItem("Mitha Pan(gold plated)", 500);
    }

    private void button1_Click(object sender, EventArgs e)
    {
        if (listView1.SelectedItems.Count > 0)
        {
            ListViewItem item = new ListViewItem(listView1.SelectedItems[0].Text);
            int pr = Convert.ToInt32(listView1.SelectedItems[0].SubItems[1].Text);
            pr = pr * Convert.ToInt32(numericUpDown1.Value);

            item.SubItems.Add(numericUpDown1.Value.ToString());
            item.SubItems.Add(pr.ToString());
            listView2.Items.Add(item);
            Total += pr;
            label2.Text = Total.ToString();
            numericUpDown1.Value = 1;
        }
        else
        {
            numericUpDown1.Value = 1;
            MessageBox.Show("please select any one item ");
        }
    }

    private void button2_Click(object sender, EventArgs e)
    {
        if (listView2.SelectedItems.Count > 0)
        {
            DialogResult confirm = MessageBox.Show("Are you sure to cancel order", "cancel", MessageBoxButtons.YesNo, MessageBoxIcon.Warning);
            if (confirm == DialogResult.Yes)
            {
                for (int i = listView2.SelectedItems.Count - 1; i >= 0; i--)
                {
                    int pr = Convert.ToInt32(listView2.SelectedItems[i].SubItems[2].Text);
                    Total -= pr;
                    label2.Text = Total.ToString();
                    listView2.SelectedItems[i].Remove();
                }
            }
        }
    }
}
```

```
    }  
    else  
    {  
        MessageBox.Show("please Select any Item");  
    }  
}  
}
```

Form1

Menu Items	
items name	Price
pizza	450
sandwich	200
omlet	70
Aloo puri	20
Khawsa	40
Dosa	200
Mcpuff	250
frankie	90
Mitha Pan(gold plated)	500

Ordered Items		
Items name	Quantity	Total cost

Quantity: 0

Order

Order Total

Cancel

Form1

Menu Items	
items name	Price
sandwich	200
omlet	70
Aloo puri	20
Khawsa	40
Dosa	200
Mcpuff	250
frankie	90
Mitha Pan(gold plated)	500

Ordered Items		
Items name	Quantity	Total cost
omlet	1	70
Dosa	1	200
Mitha Pan(gold plated)	2	1000
sandwich	2	400

Quantity: 1

Order

Order Total 1670

Cancel

The application window 'Form1' contains two tables: 'Menu Items' and 'Ordered Items'. The 'Menu Items' table lists items and their prices. The 'Ordered Items' table lists items, quantities, and total costs. Below the tables are a 'Quantity' spinner set to 1, an 'Order' button, and an 'Order' section showing a total of 1670 and a 'Cancel' button. A 'cancel' dialog box is open, asking 'Are you sure to cancel order' with 'Yes' and 'No' buttons.

items name	Price
sandwich	200
omlet	70
Aloo puri	20
Khawsa	40
Dosa	200
Mcpuff	250
frankie	90
Mitha Pan(gold plated)	500

Items name	Quantity	Total cost
omlet	1	70
Dosa	1	200
Mitha Pan(gold plated)	2	1000
sandwich	2	400

Quantity: 1

Order

Order Total: 1670

Cancel

cancel

Are you sure to cancel order

Yes No

The application window 'Form1' shows the same 'Menu Items' table. The 'Ordered Items' table now contains different items. The 'Quantity' spinner is still at 1. The 'Order' section shows a total of 1010 and a 'Cancel' button. A dialog box with the text 'please Select any Item' and an 'OK' button is open.

items name	Price
sandwich	200
omlet	70
Aloo puri	20
Khawsa	40
Dosa	200
Mcpuff	250
frankie	90
Mitha Pan(gold plated)	500

Items name	Quantity	Total cost
pizza	1	450
Mcpuff	1	250
Dosa	1	200
frankie	1	90
Aloo puri	1	20

Quantity: 1

Order

Order Total: 1010

Cancel

please Select any Item

OK