

## Practical-9

**Aim:-** Create a windows Form for Hotel Menu using ListView.

The screenshot shows a Windows Form titled "Hotel Menu". It features two side-by-side tables. The left table, titled "Menu Items", lists various food items and their prices. The right table, titled "Ordered Items", lists items that have been ordered and their total costs. Below the "Menu Items" table is a "Quantity" section with a numeric up/down control set to 1. Below the "Ordered Items" table is an "Order" section showing a total of 280 and a "Cancel Order" button. A blue "ORDER" button is positioned between the two tables.

Item name	Price
Pizza	70
Vada Pau	15
McNuggets	70
Aaloo Tikki	27
Oreo mcflury	80
Mccafe shakes	80
Sub	130
McDouble	200
Sweet Tea	200

Item name	Total Cost
Mccafe shakes	80
McDouble	200

Quantity: 1

ORDER

Total : 280

Cancel Order

The form should contain ListView, NumericUpDown and button as displayed.

You should be able to select single item from listview.

The selected values can be shifted in another listview displayed.

The selected multiple items can be removed from listview 2.

Make total of selected item in display in label.

**Code:**

**Form1.cs**

```
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 Practical_9
{
    public partial class Form1 : Form
    {
        static int total = 0;
        public Form1()
        {
            InitializeComponent();

            listView1.Columns.Add("Iteam Menu", 174);
            listView1.Columns.Add("Price");
            listView1.View = View.Details;
            addtolistview("Pizza", 70);
            addtolistview("Dabeli", 20);
            addtolistview("Puff", 15);
            addtolistview("Sandwich", 80);
            addtolistview("Burger", 50);
            addtolistview("aaloo tikki", 45);
            addtolistview("McDouble", 200);
            addtolistview("Bhel", 20);
            addtolistview("Cold Drik", 150);
            addtolistview("Ice Cream", 100);
            addtolistview("Water", 35);

            numericUpDown1.Minimum = 1;
            numericUpDown1.Maximum = 20;

            listView1.FullRowSelect = true;

            listView2.Columns.Add("Item", 90);
            listView2.Columns.Add("Quantity", 50);
            listView2.Columns.Add("Price");
            listView2.View = View.Details;
```

```
}
private void addtolistview(string ins, int price)
{
    ListViewItem l = new ListViewItem(ins,price);
    l.SubItems.Add(price.ToString());
    listView1.Items.Add(l);
}

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 = total + pr;
        label3.Text = total.ToString();

    }
    else
    {
        MessageBox.Show("Please Selected one iteams");
    }
}

private void button2_Click(object sender, EventArgs e)
{
    if (listView2.SelectedItems.Count > 0)
    {
        DialogResult confirm = MessageBox.Show("item is
cancel");
        for (int i = listView2.SelectedItems.Count -1; i>=0;i-
-)
        {
            int pr =
            Convert.ToInt32(listView2.SelectedItems[i].SubItems[2].Text);
```

```
        total = total - pr;  
        label13.Text = total.ToString();  
        listView2.SelectedItems[i].Remove();  
    }  
}  
else  
{  
    MessageBox.Show("Please Select at least one item");  
}  
}  
}
```

**Output:**

The screenshot shows a Windows application titled "Hotel Menu". It features a menu list on the left, an order list on the right, a quantity input at the bottom left, and an order summary at the bottom right.

**Menu Items**

Item Menu	Price
Pizza	70
Dabeli	20
Puff	15
Sandwich	80
Burger	50
aaloo tikki	45
McDouble	200
Bhel	20
Cold Drik	150
Ice Cream	100
Water	35

**Order Items**

Item	Quant...	Price
------	----------	-------

**Quantity**

Quantity:

**Order**

Total : price

**Buttons:** Order, Cancel Order

The screenshot shows a window titled "Hotel Menu" with a standard Windows title bar (minimize, maximize, close buttons). The window is divided into several sections:

- Menu Items:** A table listing items and their prices. The "Water" row is highlighted.
- Oder Items:** A table showing the current order with items, quantities, and prices.
- Quantity:** A label "Quantity" followed by a text box containing the value "3" and a small up/down arrow button.
- Order:** A section containing a "Total : 415" label and two buttons: "Order" (highlighted with a blue dashed border) and "Cancel Order".

Item Menu	Price
Pizza	70
Dabeli	20
Puff	15
Sandwich	80
Burger	50
aaloo tikki	45
McDouble	200
Bhel	20
Cold Drnk	150
Ice Cream	100
Water	35

Item	Quant...	Price
Pizza	1	70
Sandwich	3	240
Water	3	105

Quantity: 3

Total : 415

Order

Cancel Order

The screenshot shows a Windows-style application window titled "Hotel Menu". The interface is divided into several sections:

- Menu Items:** A table listing various food items and their prices. The "Water" item is highlighted.
- Oder Items:** A table showing the items currently in the order. It includes "Sandwich" and "Water", both with a quantity of 3.
- Quantity:** A section with a label "Quantity" and a text input field containing the number "3".
- Order:** A section containing a "Total : 345" label and two buttons: "Order" and "Cancel Order". The "Cancel Order" button is highlighted with a red dashed border.

Item Menu	Price
Pizza	70
Dabeli	20
Puff	15
Sandwich	80
Burger	50
aaloo tikki	45
McDouble	200
Bhel	20
Cold Drik	150
Ice Cream	100
Water	35

Item	Quant...	Price
Sandwich	3	240
Water	3	105

Quantity: 3

Total : 345

Buttons: Order, Cancel Order