

```
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```
//Coms176 WWW02 Fall 23
```

```
// 12/11/2023
```

```
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 COMS176FinalProject
```

```
{
```

```
    public partial class CrochetCompany : Form
```

```
    {
```

```
        // create class for item name, description and price
```

```
        List<clsItem> myItems = new List<clsItem>();
```

```
        //create lists for items available and ordered
```

```
        List<double> dblItems = new List<double> { 15.00, 10.00, 65.00, 35.00, 35.00 };
```

```
        List<double> dblOrder = new List<double>();
```

```
        public CrochetCompany()
```

```
    {
```

```
        InitializeComponent();
    }
    private void CalcTotal()
    {
        // create variables

        double dblSubTotal = 0;

        double dblSalesTax = 0;

        double dblGrandTotal = 0;

        const double dblSalesTaxPercent = .06;


        //get total for order

        dblSubTotal = dblOrder.Sum();

        dblSalesTax = dblSubTotal * dblSalesTaxPercent;

        dblGrandTotal = dblSubTotal + dblSalesTax;


        //display to screen

        subTotalLabel1.Text = "$" + dblSubTotal.ToString("N2");

        taxLabel1.Text = "$" + dblSalesTax.ToString("N2");

        grandTotalLabel1.Text = "$" + dblGrandTotal.ToString("N2");
    }
    public void ItemsAvailable()
    { //Item 1

        clsItem templItem1 = new clsItem();

        templItem1.ItemName = "Knitted Hat";

        templItem1.ItemDescription = "Adult hat, made on circular knitting machine.";

        templItem1.ItemPrice = 15.00;
```

```
myItems.Add(templItem1);

//Item 2

clsItem templItem2 = new clsItem();

templItem2.ItemName = "Knitted Earwarmer";

templItem2.ItemDescription = "Adult earwarmer headband, made on circular knitting
machine.";

templItem2.ItemPrice = 10.00;


myItems.Add(templItem2);

//Item 3

clsItem templItem3 = new clsItem();

templItem3.ItemName = "Wild Oleander Hooded Scarf";

templItem3.ItemDescription = "Hand crocheted. Throw-over hooded scarf";

templItem3.ItemPrice = 65.00;


myItems.Add(templItem3);

//Item 4

clsItem templItem4 = new clsItem();

templItem4.ItemName = "Amigurumi Elephant";

templItem4.ItemDescription = "Hand crocheted, stuffed elephant. Great for kids who
love stuffed animals";

templItem4.ItemPrice = 35.00;


myItems.Add(templItem4);

// Item 5

clsItem templItem5 = new clsItem();
```

```
    templItem5.ItemName = "Amigurumi Octopus";

    templItem5.ItemDescription = "Hand crocheted, stuffed octopus. Great for kids who
love stuffed animals";

    templItem5.ItemPrice = 35.00;


    myItems.Add(templItem5);


}

private void ListItems()
{
    // Clear Listbox
    lstItems.Items.Clear();

    //Loop through list
    for (int i = 0; i < myItems.Count; i++)
    {
        //Display Items
        lstItems.Items.Add(myItems[i].ItemName);
    }

    // Select first Item
    lstItems.SelectedIndex = 0;

}
```

```
private void lstItems_DoubleClick(object sender, EventArgs e)
{
    // if something is selected, display information
    if (lstItems.SelectedIndex > -1)
    {
        // Display item information
        lblItemName.Text = myItems[lstItems.SelectedIndex].ItemName;
        lblDescription.Text = myItems[lstItems.SelectedIndex].ItemDescription;
        lblItemCost.Text = "$" + myItems[lstItems.SelectedIndex].ItemPrice.ToString("N2");

        // add item price to customer order
        dblOrder.Add(dblItems[lstItems.SelectedIndex]);

        // add item name to customer order
        lstItemsOrdered.Items.Add(lstItems.Items[lstItems.SelectedIndex]);
        CalcTotal();
    }
}
```

```
private void lstItemsOrdered_DoubleClick(object sender, EventArgs e)
```

```
{  
    // Verify something is clicked  
    if (lstItemsOrdered.SelectedIndex > -1)  
    {  
        // Remove from order price  
        dblOrder.RemoveAt(lstItemsOrdered.SelectedIndex);  
        //Remove from list  
        lstItemsOrdered.Items.RemoveAt(lstItemsOrdered.SelectedIndex);  
  
        // Update Total  
        CalcTotal();  
    }  
}
```

```
private void CrochetCompany_Load(object sender, EventArgs e)  
{  
    // TODO: This line of code loads data into the 'ordersDataSet.tblCustomerOrders'  
table. You can move, or remove it, as needed.  
    this.tblCustomerOrdersTableAdapter.Fill(this.ordersDataSet.tblCustomerOrders);  
  
    ItemsAvailable();  
    ListItems();  
}
```

```
private void btnSubmit_Click(object sender, EventArgs e)
{
    //Update Database

    this.Validate();
    this.tblCustomerOrdersBindingSource.EndEdit();
    this.tableAdapterManager.UpdateAll(this.ordersDataSet);

    // Open Database form
    Database CustomerDatabase = new Database();
    CustomerDatabase.ShowDialog();
}

private void tblCustomerOrdersBindingNavigatorSaveItem_Click(object sender,
EventArgs e)
{
    this.Validate();
    this.tblCustomerOrdersBindingSource.EndEdit();
    this.tableAdapterManager.UpdateAll(this.ordersDataSet);

}
}
}
```