

Begin



Performance Task 1.1

Coffee Shop Program

Main Points

- o Declare variables.
- o Declare Arrays.
- o Invoke Methods.
- o Using the MessageBox.
- o Using IF Conditional.
- o Controls Operations.
 - ComboBox.
 - DataGridView.



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The following Controls that we're using inside our task:

Label Button TextBox ComboBox DataGridView

The screenshot shows a Windows Form titled "Form1". On the left, under the heading "Main Menu" in red, there is a dropdown menu and a button with three right-pointing arrows ">>>". Below this, the word "Total" is displayed in large black font above a large, empty rectangular box. On the right, under the heading "Order" in blue, there is a DataGridView with two columns: "Items" and "Price". The first row of the DataGridView has an asterisk "*" in the "Items" column. Below the DataGridView is a button labeled "Delete".

Figure 1.1

This screenshot is an annotated version of the form from Figure 1.1. Red arrows point from text labels to specific controls: "Main Menu" points to the dropdown menu; ">>>" points to the button; "Total" points to the large rectangular box; "Order" points to the blue heading; "Delete" points to the button below the DataGridView; and an empty space points to a label. A yellow arrow points from the text "DataGridView" to the DataGridView control itself. Other labels like "Labels", "ComboBox", and "Button" are also present but not pointed to by arrows.

Figure 1.2

Our Target 1.1

Choose the items form (comboBox) , then add those items with its prices to the (DataGridView) and show the total inside the (TextBox) *Figure 1.3*

The screenshot shows a Windows application window titled "Form1". It contains two main sections: "Main Menu" and "Order".

Main Menu: This section features a dropdown menu with "Cake" selected and a button with three right-pointing arrows (">>>"). Below this, a "Total" label is positioned above a large white box containing the number "22" in red.

Order: This section contains a table with two columns: "Items" and "Price". The table lists the following items and prices:

	Items	Price
▶	Coffe	5
	CupCake	5
	Chodate	8
	Cake	4
*		

Below the table, there is a "Delete" button and a series of dots ".....".

Figure 1.3

- Add items to the (ComboBox) *Figure 1.4*

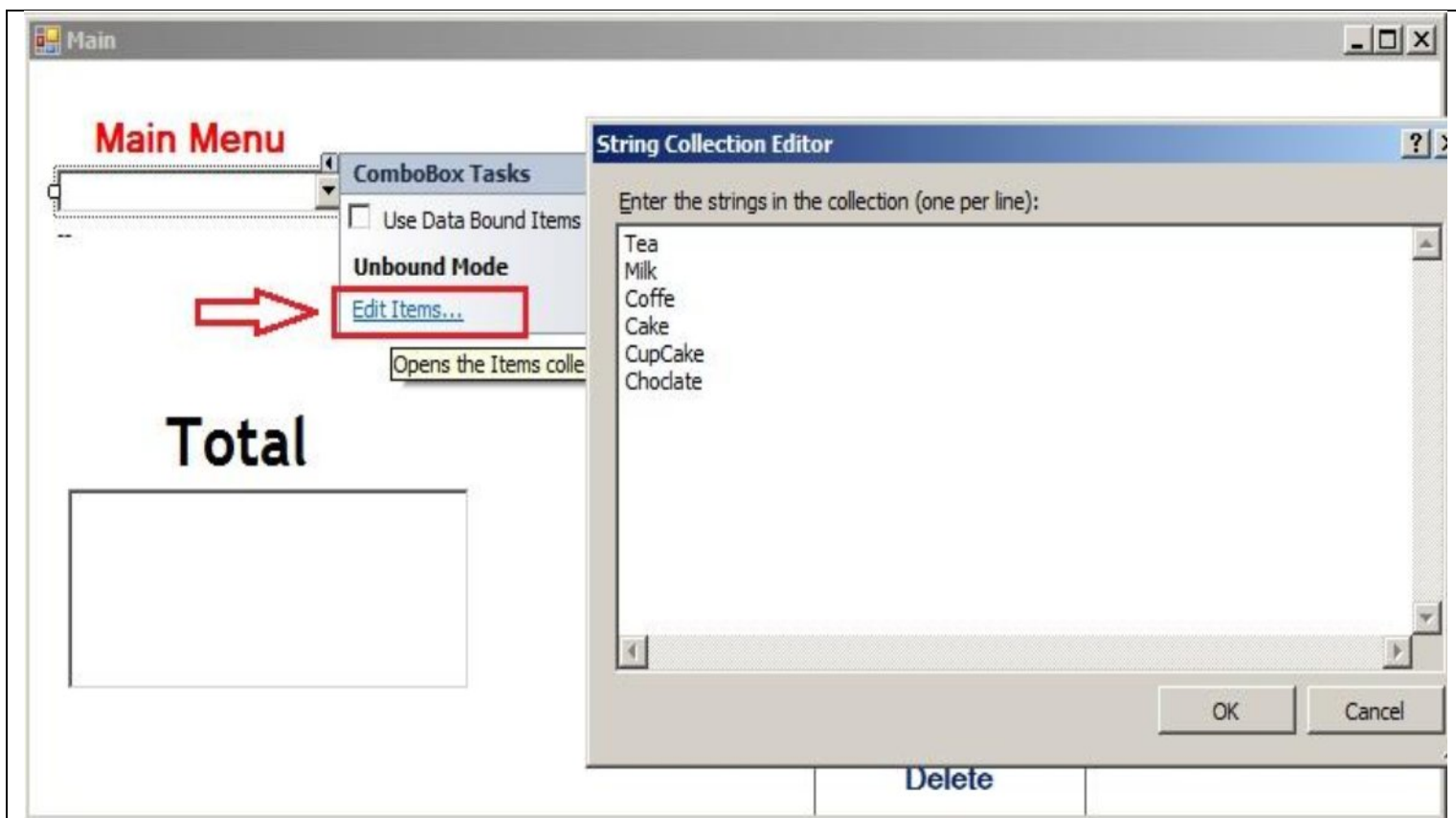


Figure 1.4

Add new columns to the (DataGridView) *Figure 1.5*

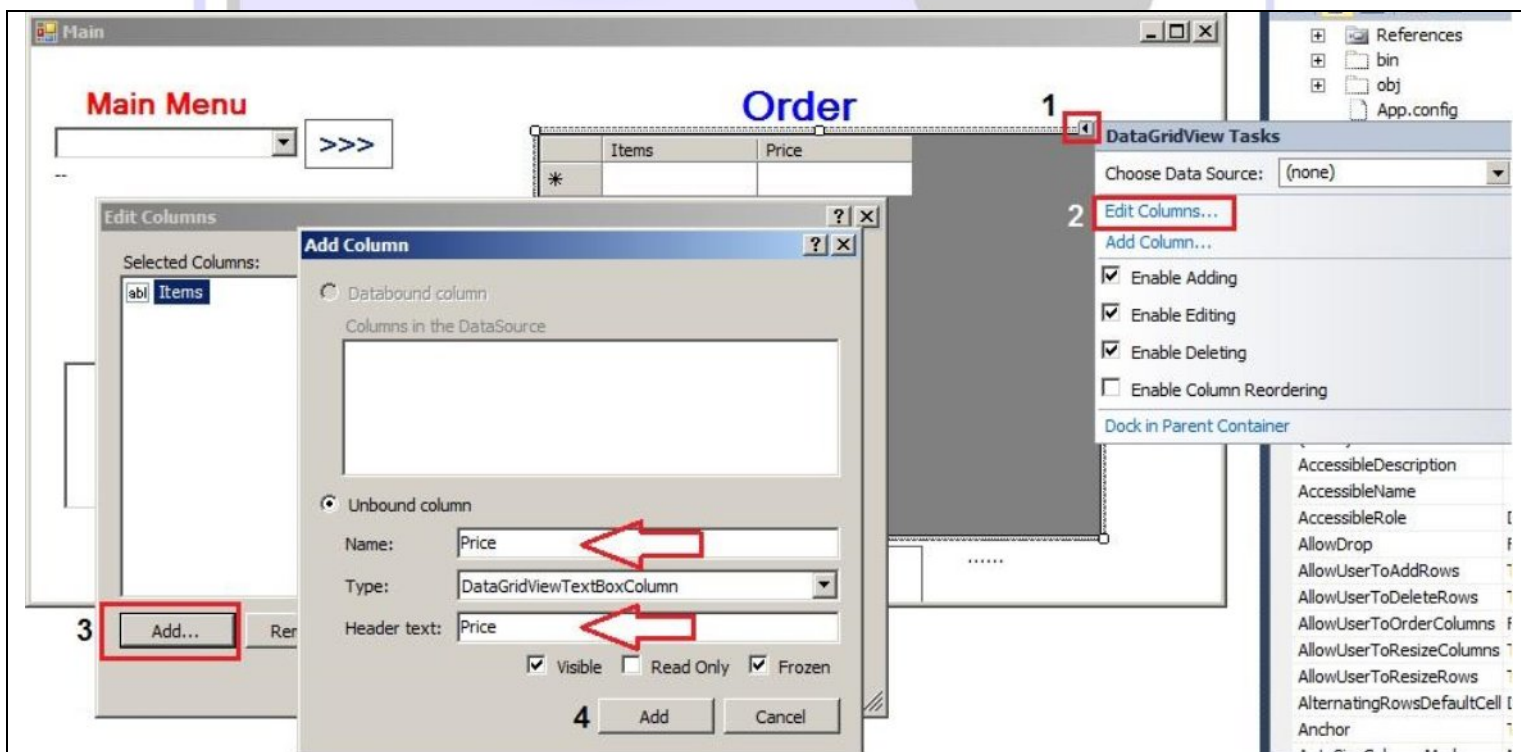


Figure 1.5

How to declare variables

Dim VariableName As VariableType

```
Dim P1, P2 As Integer
Dim Total As Integer
Dim D As DialogResult
Dim Row(6) As String
```

P1	To store the current item price that we want to add to the bill
P2	To store the current item price that we want to remove from the bill
Total	To store all prices that we have chosen
D	To Store the message box result (<u>Ok</u> OR <u>Cancel</u>)
Row	Array to store the items & prices



Figure 1.6

```
If ComboBox1.Text <> "" Then

    AddItems()

Else

    Label5.Text = "Please choose from list"
    Label5.ForeColor = Color.Red

End If
```

Explanation of code

Check if the "ComboBox1" has text OR no "If the user selected Items or no"

If the result was true then call " * AddItems()" Method Else show ""Please choose from list"" inside "label5" then change "label5" fontcolor property to red color

*AddItems() Method



```
Private Sub AddItems()
```

```
If ComboBox1.Text = "Tea" Then
    Row = {"Tea", "5"}
    DataGridView1.Rows.Add(Row)
    P1 = 5
End If
```

```
If ComboBox1.Text = "Milk" Then
    Row = {"Milk", "7"}
    DataGridView1.Rows.Add(Row)
    P1 = 7
End If
```

```
If ComboBox1.Text = "Coffe" Then
    Row = {"Coffe", "5"}
    DataGridView1.Rows.Add(Row)
    P1 = 5
End If
```

```
If ComboBox1.Text = "Cake" Then
    Row = {"Cake", "4"}
    DataGridView1.Rows.Add(Row)
    P1 = 4
End If
```

```
If ComboBox1.Text = "CupCake" Then
    Row = {"CupCake", "5"}
    DataGridView1.Rows.Add(Row)
    P1 = 5
End If
```

```
If ComboBox1.Text = "Choclate" Then
    Row = {"Choclate", "8"}
    DataGridView1.Rows.Add(Row)
    P1 = 8
End If
```

```
Total += P1
TextBox1.Text = Total
```

```
End Sub
```

Check the "comboBox" current text IF it equal "Tea"

Then

Add new item to "Row" our array

Then

Pass this item to the "DataGridView"

Then

Give "P1" the 1st value "the 1st price"

And repeat the code according your list

Remove the Current Item

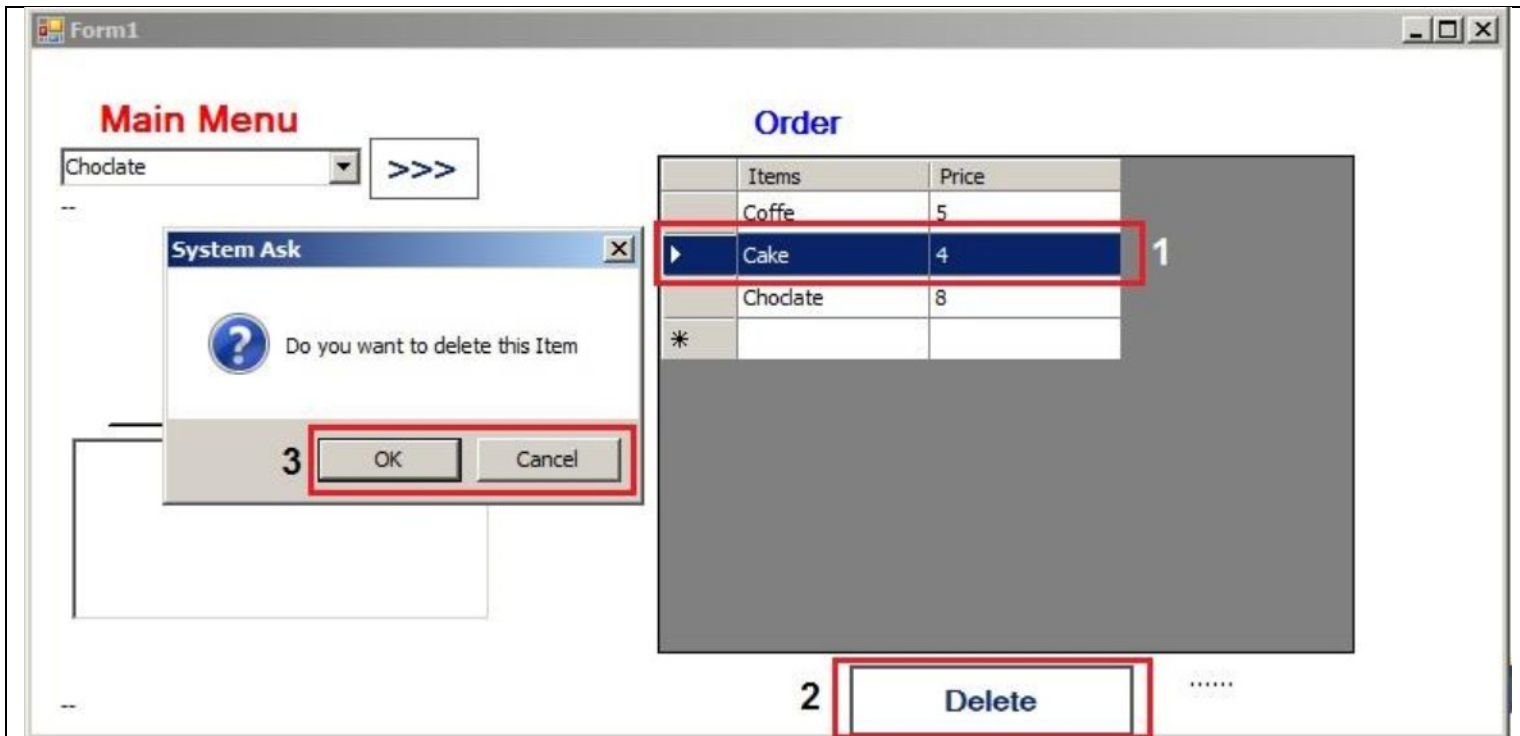


Figure 1.7

```
D = MessageBox.Show("Do you want to delete this Item", "System Ask", MessageBoxButtons.OKCancel, MessageBoxIcon.Question)
```

```
If D = vbOK Then
```

```
P2 = DataGridView1.Rows(DataGridView1.CurrentRow.Index).Cells(1).Value
```

```
Total = Total - P2
```

```
DataGridView1.Rows.Remove(DataGridView1.CurrentRow)
```

```
TextBox1.Text = Total
```

```
End If
```

Explanation of code

“D” variable will store the result from the dialog box (did user click “OK” OR “CANCEL”?)

Check the “D” Variable value (using If Conditional) , if the result was “OK” then implement the following code [“P2” Store the current price , “Total” Calculate the total price, Remove the current Row from “DataGridView” and Show the total price inside “TextBox1”