Visual Basic Code.

# Main program

Public Class Form1

Private friends As New Collection

Dim person As Address\_collector

'Adding new record

Private Sub btnAdd\_Click(sender As Object, e As EventArgs) Handles btnAdd.Click

Dim fr\_found As Boolean = False

Dim myfriend As New Address\_collector

For Each person In friends

If person.get\_name = TextBox1.Text Then

fr\_found = True

End If

Next

If fr\_found Then

MsgBox("The name: " + TextBox1.Text + " is already on a list!", MsgBoxStyle.Exclamation, "Name on a list")

lstFriends.SelectedItem = person.get\_name

txtBoxAddress.Text = person.get\_address

Else

myfriend.get\_name = TextBox1.Text

myfriend.get\_address = TextBox2.Text

friends.Add(myfriend)

lstFriends.Items.Add(myfriend.get\_name)

MsgBox("The friend " + TextBox1.Text +

" and address " + TextBox2.Text + " were added.", MsgBoxStyle.Information, "Done.")

TextBox1.Clear()

TextBox2.Clear()

End If

End Sub

'Select a name from the list box

Private Sub lstFriends\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles lstFriends.SelectedIndexChanged

If lstFriends.SelectedIndex >= 0 Then

person = friends.Item(lstFriends.SelectedIndex + 1)

txtBoxAddress.Text = person.get\_address

End If

End Sub

'Find the name in the notebook

Private Sub btnFind\_Click(sender As Object, e As EventArgs) Handles btnFind.Click

Dim fr\_found As Boolean = False

For Each person In friends

If person.get\_name = TextBox1.Text Then

TextBox2.Text = person.get\_address

fr\_found = True

lstFriends.SelectedItem = person.get\_name

txtBoxAddress.Text = person.get\_address

End If

Next

If fr\_found Then

MsgBox("Found")

Else

MsgBox("Not Found")

End If

End Sub

'Delete selected or found record

Private Sub btnDelete\_Click(sender As Object, e As EventArgs) Handles btnDelete.Click

If friends.Count = 0 Or lstFriends.SelectedIndex = -1 Then

MsgBox("No name selected to delete")

Else

MsgBox("The friend " + lstFriends.SelectedItem +

" removed", MsgBoxStyle.Information, "Done.")

friends.Remove(lstFriends.SelectedIndex + 1)

lstFriends.Items.RemoveAt(lstFriends.SelectedIndex)

txtBoxAddress.Clear()

End If

End Sub

'Clear all records

Private Sub btnClear\_Click(sender As Object, e As EventArgs) Handles btnClear.Click

Dim response As MsgBoxResult

response = MsgBox("Would you like to clear ALL records?", MsgBoxStyle.YesNo, "Clear ALL?")

If response = MsgBoxResult.Yes Then

friends.Clear()

txtBoxAddress.Clear()

lstFriends.Items.Clear()

TextBox1.Clear()

TextBox2.Clear()

End If

End Sub

'Exit the application

Private Sub btnExit\_Click(sender As Object, e As EventArgs) Handles btnExit.Click

Application.Exit()

End Sub

End Class

# Address\_collector Class.

Public Class Address\_collector

Private name As String

Private address As String

Private phone As String

'Name getter and setter

Public Property get\_name() As String

Get

Return name

End Get

Set(value As String)

name = value

End Set

End Property

'Address getter and setter

Public Property get\_address() As String

Get

Return address

End Get

Set(value As String)

address = value

End Set

End Property

End Class