

ASSIGNMENT ON VISUAL PROGRAMMING

To ,
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Visual basic controls – What are the Visual Basic controls?

Visual basic controls are items that are positioned on the type. Also, a type is a control object. Each of the control objects has properties, approaches, as well as events connected with them.

VB.NET Controls

Visual basic controls are the columns that aid in creating GUI Based Applications in VB.Net quickly as well as easily. These are things that you can drag to the Type using the Control tool kit in the IDE. Each VB.NET Control has some buildings, events, and techniques that can be made use of to modify and customize the form to our liking.

Visual Basic controls

- Text Box
- Label
- Button
- ListBox
- Combo Box
- Radio Button
- Checkbox
- PictureBox
- ScrollBar
- Date Time Picker
- Progress Bar
- TreeView
- ListView

Text Box

As you can guess, it is made use of to accept textual input from the individual. The individual can include strings, numerical worths, and a mix of those, but Images and also other multimedia material are not supported.

Example

```
Public Class Example1
Private Sub Example1_Load(sender As Object, e As EventArgs) _
```

```

Handles MyBase.Load
' Set the caption bar text of the form.
Me.Text = "educba.com"
End Sub
Private Sub btnMessage_Click(sender As Object, e As EventArgs) _
Handles btnMessage.Click
MessageBox.Show("Thanks " + txtName.Text + " from all of us at " + txtOrg.Text)
End Sub

End Class

```

Label

It is utilized to reveal any message to the user, generally, the text in a tag does not change while the application is running.

Button

It is made use of as a typical Windows Button. Most of the time, the Switch Control is utilized to generate a click event, its name, dimension as well as look are not altered in the runtime.

Example

```

Public Class Form1
Private Sub ButtonExmaple_Load(sender As Object, e As EventArgs) Handles MyBase.Load
Me.Text = "educba.com"
End Sub
Private Sub quitBTN_Click(sender As Object, e As EventArgs) Handles quitBTN.Click
Application.Exit()
End Sub

End Class

```

ListBox

As the name recommends, this control works as a way to present a list of items on the application. Individuals can select any kind of choice from the list.

Example

```

Public Class example
Private Sub dropexmaple_Load(sender As Object, e As EventArgs) Handles MyBase.Load
ListBox1.Items.Add("India")
ListBox1.Items.Add("Pakistan")
ListBox1.Items.Add("USA")
End Sub
Private Sub BTN1_Click(sender As Object, e As EventArgs) Handles BTN1.Click
MsgBox("The country you have selected is " + ListBox1.SelectedItem.ToString())
End Sub
Private Sub ListBox1_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ListBox1.SelectedIndexChanged
Textlable2.Text = ListBox1.SelectedItem.ToString()
End Sub

```

End Class

Combo Box

It is similar to the checklist but it functions as a dropdown for the user. An individual can get in both text in the box or he can click the downwards arrow on the appropriate side and choose any kind of product.

Example

```
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button2.Click
    ComboBox1.Items.Clear()
    ComboBox1.Items.Add("India")
    ComboBox1.Items.Add("USA")
    ComboBox1.Items.Add("Japan")
    ComboBox1.Items.Add("China")
    ComboBox1.Items.Add("Iceland")
    ComboBox1.Items.Add("Shri Lanka")
    ComboBox1.Items.Add("Bangladesh")
    ComboBox1.Text = "Select from..."
End Sub
```

Radio Button

Radio Button is among the preferred means of limiting the customer to choose simply one choice. The programmer can establish any one of the switches as default if needed. These buttons are grouped together.

Example

```
Public Class example
    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        Private Sub Example_RadioButton1_CheckedChanged(sender As Object, _
            e As EventArgs) Handles RadioButton1.CheckedChanged
            Me.BackColor = Color.Black
        End Sub
        Private Sub Example_RadioButton2_CheckedChanged(sender As Object, _
            e As EventArgs) Handles RadioButton2.CheckedChanged
            Me.BackColor = Color.White
        End Sub
        Private Sub Example_RadioButton3_CheckedChanged(sender As Object, _
            e As EventArgs) Handles RadioButton3.CheckedChanged
            Me.BackColor = Color.Brown
        End Sub
    End Class
```

Checkbox

Checkboxes resemble radio switches in the manner in which they are also used in groups, however, a user can choose more than one item in the group.

Example

```
Public Class Form
Private Sub Submit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
Dim msg As String = ""
If ExampleCheckBox1.Checked = True Then
msg = " ExampleCheckBox1 Selected"
End If
If ExampleCheckBox2.Checked = True Then
msg = msg & " ExampleCheckBox2 Selected "
End If
If ExampleCheckBox3.Checked = True Then
msg = msg & ExampleCheckBox3 Selected"
End If
If msg.Length > 0 Then
MsgBox(msg & " selected ")
Else
MsgBox("No checkbox have beenselected")
End If
CheckBox1.ThreeState = True
End Sub

End Class
```

PictureBox

These Visual basic controls are used to show images and graphics inside a kind. The picture can be of any kind of sustained layout and we can select the dimension of the things in the kind too.

Example

```
Private Sub Submit_Click(sender As Object, e As EventArgs) Handles Submit.Click
ExamplePictureBox1.ClientSize = New Size(500, 500)
ExamplePictureBox1.SizeMode = PictureBoxSizeMode.StretchImage

End Sub
```

ScrollBar

When the material in the kind is as well large to be shown at the same time, we can utilize ScrollBars to allow individuals to scroll to see the remaining web content, it can be upright, horizontal and even both relying on the scenarios.

Example

```
Public Class example
Private Sub Example1_Load(sender As Object, e As EventArgs) _
Handles MyBase.Load
Dim horizontalscroll As HScrollBar
Dim verticalscroll As VScrollBar
```

```
horizontalscroll = New HScrollBar()  
verticalscroll = New VScrollBar()  
horizontalscroll.Location = New Point(15, 300)  
horizontalscroll.Size = New Size(185, 20)  
horizontalscroll.Value = 10  
verticalscroll.Location = New Point(300, 35)  
verticalscroll.Size = New Size(20, 180)  
horizontalscroll.Value = 50  
Me.Controls.Add(horizontalscroll)  
Me.Controls.Add(verticalscroll)  
Me.Text = "Example"  
End Sub  
  
End Class
```

Date Time Picker

In cases where you require to ask the individual about the day as well as time, VB.NET has a readymade control that allows the user to select the day and time by means of a Schedule and also a clock. This saves the problem of developing numerous message boxes for one input.

Progress Bar

This is utilized to show a Windows Progression bar, this bar can represent an ongoing procedure such as moving documents or exporting a paper.

TreeView

Much like in Windows Explorer, a tree view allows us to develop an ordered collection of items.

ListView

Comparable to the sights in Windows Traveler, with ListView control, we can present a collection of things in 4 different sights.