

## Forum:[Hack Forums](#)

Thread: [\[VB.NET\]How we can Create Tree Menu in ComboBox](#)

codepoet - May 7, 2010, 3:21 pm

Author: DevASP

Tutorial: Crow407

In this tutorial I Will Explain How we can Create Tree Menu Which is Embedded in ComboBox using VB.Net.

This UserControl is a ComboBox control that has its dropdown window replaced with a TreeView control. Handling the mouse, the keyboard and the focusing was a bit tricky and the control is not 100% perfect but it works just fine. Two issues are unresolved, but they were not important to me: firstly, since the TreeView is a child control it cannot be drawn outside the form; and secondly, a ComboBox.CloseUp call must be placed on the Form.Click event since the control does not monitor its own parent. For diligent people it should be relatively easy to adjust this control to their own needs, and even to replace the TreeView control with something else and build other types of specialized ComboBoxes.

To create Combo box with Tree Menu Follow Some Steps and Understand Code Below.

1. Create new application Using File menu and Choose vb.net project.

Now you will see the form Open in your application.

2. Now enter the routine below Against the load event of form. This routine infact Set some initial TreeView properties.Creating the tree nodes while the TreeView is visible avoids the bug that shows a horizontal scrollbar on the bottom of the tree.

```
Code Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles MyBase.Load
```

```
    ComboBoxTree1.TreeView.ShowLines = False
```

```
    ComboBoxTree1.SuspendLayout()
```

```
    ComboBoxTree1.TreeView.Visible = True
```

```
    Dim Node As TreeNode = ComboBoxTree1.TreeView.Nodes.Add("--- No selection ---")
```

```
    Node.ImageIndex = 2
```

```
    Node.SelectedImageIndex = 2
```

```
    ComboBoxTree1.TreeView.Nodes.AddRange(New System.Windows.Forms.TreeNode() {New
System.Windows.Forms.TreeNode("Node0", New System.Windows.Forms.TreeNode() {New
System.Windows.Forms.TreeNode("Node1", New System.Windows.Forms.TreeNode() {New
System.Windows.Forms.TreeNode("Node2", New System.Windows.Forms.TreeNode("Node3"))},
New System.Windows.Forms.TreeNode("Node4"), New
System.Windows.Forms.TreeNode("Node5")}}})
```

```
    ComboBoxTree1.TreeView.Nodes.AddRange(New System.Windows.Forms.TreeNode() {New
System.Windows.Forms.TreeNode("Node0", New System.Windows.Forms.TreeNode() {New
System.Windows.Forms.TreeNode("Node1", New System.Windows.Forms.TreeNode() {New
```

```

System.Windows.Forms.TreeNode("Node2"), New System.Windows.Forms.TreeNode("Node3"))},
New System.Windows.Forms.TreeNode("Node4"), New
System.Windows.Forms.TreeNode("Node5"))}}}
    ComboBoxTree1.TreeView.Nodes.AddRange(New System.Windows.Forms.TreeNode() {New
System.Windows.Forms.TreeNode("Node0", New System.Windows.Forms.TreeNode() {New
System.Windows.Forms.TreeNode("Node1", New System.Windows.Forms.TreeNode() {New
System.Windows.Forms.TreeNode("Node2", New System.Windows.Forms.TreeNode("Node3"))},
New System.Windows.Forms.TreeNode("Node4"), New
System.Windows.Forms.TreeNode("Node5"))}}}
    ComboBoxTree1.TreeView.Visible = False

    Node = ComboBoxTree1.TreeView.Nodes.Add("New node...")
    Node.ImageIndex = 3
    Node.SelectedImageIndex = 3

    ComboBoxTree1.ResumeLayout()

    ' Select a node...
    Me.ComboBoxTree1.SelectedNode =
Me.ComboBoxTree1.TreeView.Nodes.Item(2).Nodes.Item(1)
End Sub

```

3. Now select the click event of form the auto generated routine is appear below. Write the line of code this line actually this should be handled by the ComboBoxTree itself, but the current version of the control does not handle this.

```

Code Private Sub Form1_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles
MyBase.Click
    Me.ComboBoxTree1.DroppedDown = False
End Sub

```

4. now double click on button the auto generated routine is appear. Write the code below which check Selected node is exist or not.

```

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button1.Click
    Code If Me.ComboBoxTree1.SelectedNode Is Nothing Then
        MsgBox("No tree node is selected.")
    Else
        MsgBox(Me.ComboBoxTree1.SelectedNode.Text)
    End If
End Sub

```

5. Select the Combo box after Select event Write few lines.it sets some properties of Combo box.

```

Code Private Sub ComboBoxTree1_AfterSelect(ByVal sender As Object) Handles
ComboBoxTree1.AfterSelect
    If Me.ComboBoxTree1.SelectedNode Is Nothing Then
        Me.TextBox1.Text = "No tree node is selected."
    ElseIf Me.ComboBoxTree1.SelectedNode.Text.StartsWith("---") Then
        Me.ComboBoxTree1.SelectedNode = Nothing
    End If
End Sub

```

Else

Me.TextBox1.Text = Me.ComboBoxTree1.SelectedNode.Text

End If

End Sub6-Select the Combo box before Select event Write few lines.it sets some properties of Combo box.

Code Private Sub ComboBoxTree1\_BeforeSelect(ByVal sender As Object, ByVal Node As System.Windows.Forms.TreeNode, ByRef Cancel As Boolean) Handles ComboBoxTree1.BeforeSelect

If (Not Node Is Nothing) AndAlso Node.Text.StartsWith("New") Then

Cancel = True

Me.ComboBoxTree1.DroppedDown = False

MsgBox(Node.Text)

End If

End Sub7-Now double click on button the auto generated routine is appear. Write the code below which Assign nothing to Selected node Selected node .

Code Private Sub Button2\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click

Me.ComboBoxTree1.SelectedNode = Nothing

End SubNow Built and run the Project Your You will see the Tree menu in the combo box.The source Code is given by this article for your Complete Understanding. Just run it you can understand how easily we can create it.

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[img]http://i685.photobucket.com/albums/vv215/blackpearl4/THANKS.gif[/img]

**codepoet** - May 7, 2010, 7:09 pm

bump good tutorial in my opinion

**Aeonhack Archivist** - May 7, 2010, 7:42 pm

Pretty good. I have been wondering how to do this.

**jaikrishna** - May 7, 2010, 7:53 pm

That was good. Yet, If it was so long, You could have some pics here.

**codepoet** - May 8, 2010, 4:59 am

(May 7, 2010 07:42 PM)alecn1519 Wrote: [\[CITE\]](#) Pretty good. I have been wondering how to do this. im glad this helped you...

(May 7, 2010 07:53 PM)jaikrishna Wrote: [\[CITE\]](#) That was good. Yet, If it was so long, You could have some pics here.  
pictures? what for this is some of the easy things you can do on here...