

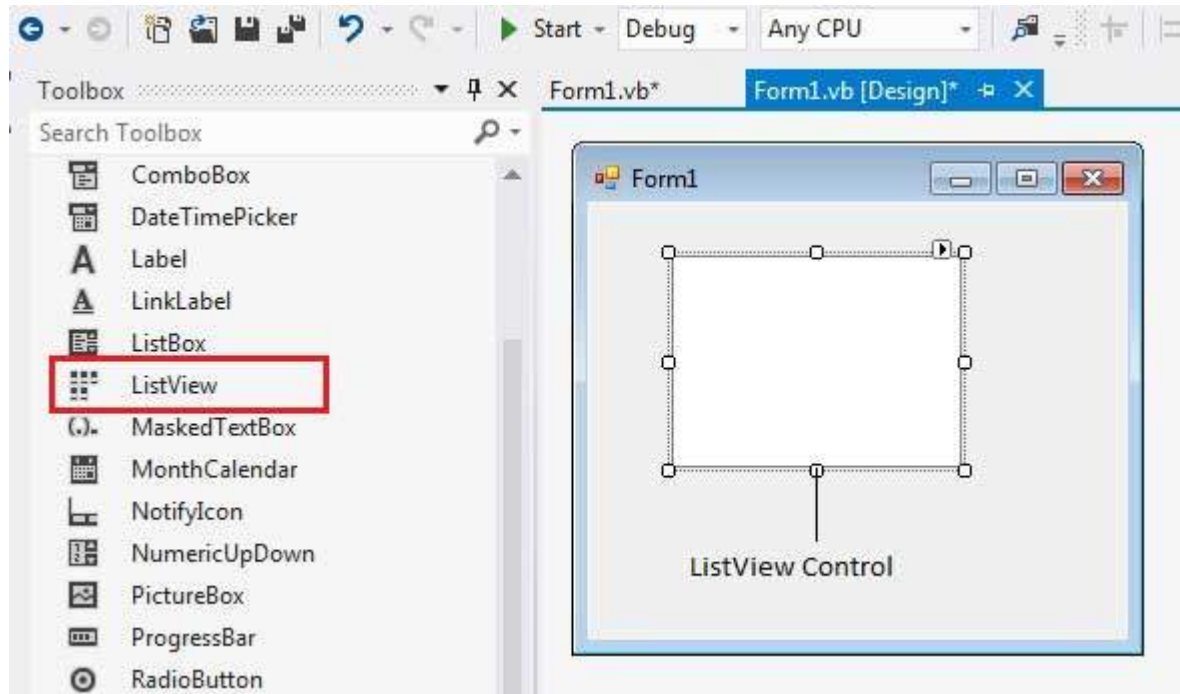
# VB.NET - LISTVIEW CONTROL

[http://www.tutorialspoint.com/vb.net/vb.net\\_listview.htm](http://www.tutorialspoint.com/vb.net/vb.net_listview.htm)

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The ListView control is used to display a list of items. Along with the TreeView control, it allows you to create a Windows Explorer like interface.

Let's click on a ListView control from the Toolbox and place it on the form.



The *ListView* control displays a list of items along with icons. The *Item* property of the *ListView* control allows you to add and remove items from it. The *SelectedItem* property contains a collection of the selected items. The *MultiSelect* property allows you to set select more than one item in the list view. The *CheckBoxes* property allows you to set check boxes next to the items.

## Properties of the ListView Control

The following are some of the commonly used properties of the *ListView* control:

S.N	Property	Description
1	<b>Alignment</b>	Gets or sets the alignment of items in the control.
2	<b>AutoArrange</b>	Gets or sets whether icons are automatically kept arranged.
3	<b>BackColor</b>	Gets or sets the background color.
4	<b>CheckBoxes</b>	Gets or sets a value indicating whether a check box appears next to each item in the control.
5	<b>CheckedIndices</b>	Gets the indexes of the currently checked items in the control.
6	<b>CheckedItems</b>	Gets the currently checked items in the control.
7	<b>Columns</b>	Gets the collection of all column headers that appear in the control.
8	<b>GridLines</b>	Gets or sets a value indicating whether grid lines appear between the rows and columns containing the items and subitems in the control.
9	<b>HeaderStyle</b>	Gets or sets the column header style.

10	<b>HideSelection</b>	Gets or sets a value indicating whether the selected item in the control remains highlighted when the control loses focus.
11	<b>HotTracking</b>	Gets or sets a value indicating whether the text of an item or subitem has the appearance of a hyperlink when the mouse pointer passes over it.
12	<b>HoverSelection</b>	Gets or sets a value indicating whether an item is automatically selected when the mouse pointer remains over the item for a few seconds.
13	<b>InsertionMark</b>	Gets an object used to indicate the expected drop location when an item is dragged within a ListView control.
14	<b>Items</b>	Gets a collection containing all items in the control.
15	<b>LabelWrap</b>	Gets or sets a value indicating whether item labels wrap when items are displayed in the control as icons.
16	<b>LargeImageList</b>	Gets or sets the ImageList to use when displaying items as large icons in the control.
17	<b>MultiSelect</b>	Gets or sets a value indicating whether multiple items can be selected.
18	<b>RightToLeftLayout</b>	Gets or sets a value indicating whether the control is laid out from right to left.
19	<b>Scrollable</b>	Gets or sets a value indicating whether a scroll bar is added to the control when there is not enough room to display all items.
20	<b>SelectedIndices</b>	Gets the indexes of the selected items in the control.
21	<b>SelectedItems</b>	Gets the items that are selected in the control.
22	<b>ShowGroups</b>	Gets or sets a value indicating whether items are displayed in groups.
23	<b>ShowItemToolTips</b>	Gets or sets a value indicating whether ToolTips are shown for the ListViewItem objects contained in the ListView.
24	<b>SmallImageList</b>	Gets or sets the ImageList to use when displaying items as small icons in the control.
25	<b>Sorting</b>	Gets or sets the sort order for items in the control.
26	<b>StateImageList</b>	Gets or sets the ImageList associated with application-defined states in the control.
27	<b>TopItem</b>	Gets or sets the first visible item in the control.
28	<b>View</b>	<p>Gets or sets how items are displayed in the control. This property has the following values:</p> <ul style="list-style-type: none"> <li>• LargeIcon - displays large items with a large 32 x 32 pixels icon.</li> <li>• SmallIcon - displays items with a small 16 x 16 pixels icon</li> <li>• List - displays small icons always in one column</li> <li>• Details - displays items in multiple columns with column headers and fields</li> <li>• Tile - displays items as full-size icons with item labels and sub-item information.</li> </ul>
29	<b>VirtualListSize</b>	Gets or sets the number of ListViewItem objects contained in the

list when in virtual mode.

## 30 VirtualMode

Gets or sets a value indicating whether you have provided your own data-management operations for the ListView control.

## Methods of the ListView Control

The following are some of the commonly used methods of the ListView control:

S.N	Method Name & Description
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1	<b>Clear</b> Removes all items from the ListView control.
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1	<b>ToString</b> Returns a string containing the string representation of the control.
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## Events of the ListView Control

The following are some of the commonly used events of the ListView control:

S.N	Event	Description
1	<b>ColumnClick</b>	Occurs when a column header is clicked.
2	<b>ItemCheck</b>	Occurs when an item in the control is checked or unchecked.
3	<b>SelectedIndexChanged</b>	Occurs when the selected index is changed.
4	<b>TextChanged</b>	Occurs when the Text property is changed.

## Example

In this example, let us create a list view at runtime. Let's double click on the Form and put the follow code in the opened window.

```
Public Class Form1
    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        'create a new ListView
        Dim ListView1 As ListView
        ListView1 = New ListView()
        ListView1.Location = New Point(10, 10)
        ListView1.Size = New Size(150, 150)
        Me.Controls.Add(ListView1)
        'Creating the list items
        Dim ListItem1 As ListViewItem
        ListItem1 = ListView1.Items.Add("Item 1")
        Dim ListItem2 As ListViewItem
        ListItem2 = ListView1.Items.Add("Item 2")
        Dim ListItem3 As ListViewItem
        ListItem3 = ListView1.Items.Add("Item 3")
        Dim ListItem4 As ListViewItem
        ListItem4 = ListView1.Items.Add("Item 4")
        'set the view property
        ListView1.View = View.SmallIcon
    End Sub
End Class
```

```
' Set the caption bar text of the form.  
Me.Text = "tutorialspoint.com"  
End Sub  
End Class
```

When the above code is executed and run using **Start** button available at the Microsoft Visual Studio tool bar, it will show the following window:

