

Advance Programming Techniques (APT)

Lecture # 16

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What is a ListBox?

- A **ListBox** displays a list of items from which the user can **select one or more** items
- It's useful for showing lists like products, names, or categories
- Unlike ComboBox, all items are visible (no dropdown)
- Example Uses
 - Selecting multiple hobbies or skills
 - Displaying products in a category
 - Managing a list of tasks or records

Common Properties

Property	Description
Items	Stores the collection of all items.
SelectedItem	Returns the currently selected item (for single selection).
SelectedIndex	Returns the index of the selected item.
SelectedItems	Returns all selected items (for multi-select).
SelectionMode	Determines whether the user can select one or multiple items (<code>One</code> , <code>MultiSimple</code> , <code>MultiExtended</code>).
Sorted	Automatically sorts items alphabetically when set to <code>true</code> .
MultiColumn	Displays items in multiple columns if set to <code>true</code> .
DataSource	Allows binding the ListBox to a data collection or database.

Adding Items in ListBox

- We can add items both at design time as well as at run time
- How to get selected item from ListBox (SelectedIndexChanged Event)
- Populating ListBox from array (Items.AddRange)
- Populating ListBox from list (DataSource Property)
- Removing item from ListBox (Items.Remove & Items.RemoveAt)
- Count number of item in ListBox
- Clear all items from ListBox
- Sort items from ListBox