Advance Programming Techniques (APT)

Lecture # 15

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Learning Objectives

- Understand what a **ComboBox** control is and when to use it

- Add, remove, and access items in a ComboBox

- Handle key events like **SelectedIndexChanged**

- Populate ComboBox from arrays, lists, and databases

- Build small real-world applications using ComboBox

What is a ComboBox?

- A **ComboBox** is a **drop-down list** that allows users to select **one item** from a predefined list

- It combines the features of a **TextBox** and a **ListBox** — users can either **select** or **type** an entry (if enabled)

- Example Uses

  - Country selector

  - Department Selector

  - Product category or payment type

Common Properties

Property	Description
Items	Collection that stores all list items.
SelectedIndex	Index of the currently selected item.
SelectedItem	Value of the selected item.
Text	Displays the text of the selected item or user input.
DropDownStyle	Controls user interaction (`DropDown`, `DropDownList`, `Simple`).
Sorted	Automatically sorts items alphabetically if set to `true`.

Adding Items in ComboBox

- We can add items both at design time as well as at run time

- How to get selected item from ComboBox (SelectedIndexChange Event)

- Populating ComboBox from array (Items.AddRange)

- Populating ComboBox from list (DataSource Property)

- Removing item from ComboBox (Items.Remove & Items.RemoveAt)

- Count number of item in ComboBox

- Clear all items from ComboBox

- Sort items from ComboBox

- Auto complete ComboBox