

Advance Programming Techniques (APT)

Lecture # 31

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Tab Control

- The **TabControl** is a container control in Windows Forms that allows you to display multiple pages (tabs) within a single form
- It works exactly like the tabs in a web browser
- each tab contains its own area where you can place controls such as textboxes, buttons, labels, etc
- Key Features:
 - ✓ Helps organize content
 - ✓ Saves screen space
 - ✓ Improves user navigation
 - ✓ Perfect for multi-step forms, settings pages, wizards

Understanding Components

- A TabControl contains:
 - TabControl
 - A TabControl contains:
 - TabPages
 - Each page (or tab) inside the TabControl
 - You can add as many as you need
 - Controls inside each TabPage
 - Each tab behaves like a form surface where you can place any controls

Naming Conventions

- To follow your 3-letter prefix standard:
 - **TabControl** → tbcMain
 - **TabPage** → tbpStudent, tbpSettings, etc.
- Changing Selected Tab
 - `tabControl1.SelectedIndex = 1;` // Select second tab
 - `tabControl1.SelectedTab = tbpSettings;`

TabControl Properties

- ImageList
- SelectedIndex
- SelectedTab
- Alignment
- Multiline
- Appearance
- TabCount

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