

Advance Programming Techniques (APT)

Lecture # 26

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Menus

- **Menus** provide groups of related commands for Windows applications
- A **MenuStrip** displays a list of menus horizontally at the top of a form
- Common use cases:
 - File → New, Open, Save, Exit
 - Edit → Cut, Copy, Paste
 - Format →
 - Color → Red, Green, Blue
 - Style → Bold, Italic, Underline
 - Help → About
- Shortcut keys & Icons

ContextMenuStrip (Right-Click Menus)

- A **ContextMenuStrip** is a menu that appears when the user right-clicks
- Use cases
 - Right-click on TextBox → Edit menu
 - Right-click on PictureBox → zoom, rotate
 - Right-click on ListView → add/remove items

Toolbars (ToolStrip)

- A **ToolStrip** displays icons/buttons horizontally — like Word's toolbar
- Common Toolbar Buttons:
 - New
 - Open
 - Save
 - Print
 - Cut
 - Copy
 - Paste

Naming Style

Dasheded

Control	Prefix	Example
MenuStrip	mnu	mnuMain
Menu Item	mni	mniFile, mniFileOpen
ContextMenuStrip	cms	cmsTextBox
Context Menu Item	cmi	cmiTextBoxCut
ToolStrip	tls	tlsMain
ToolStripButton	tsb	tsbSave
ToolStripLabel	tsl	tslStatus
ToolStripSeparator	tss	tssFile

Pre