Advance Programming Techniques (APT)

Lecture # 27

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TreeView Control

- The **TreeView** control in C# is used to display data in a **hierarchical (tree-like) structure**, just like folders and files in Windows Explorer.

- It consists of:

  - **Root nodes** (top-level nodes)

  - **Child nodes** (sub-level items)

  - **Nested nodes** (nodes inside child nodes)

- TreeView is perfect for representing:

  - Directory structures

  - Organization charts

  - Categories & subcategories

  - XML/JSON data

  - Menus

Operations on TreeView

- Add nodes at design time & run time

- Remove selected nodes

- Clear all nodes

- Expand & collapse nodes

- Get selected node text

- Edit selected node

- Using ImageList with TreeView