Advance Programming Techniques (APT)

Lecture # 29

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ImageList Control

- **ImageList** is a component in Windows Forms used to store a collection of small images (usually icons of size **16×16** or **32×32**)

- It does NOT display images directly; it only *stores* them and supplies them to other controls

- You commonly use it with:

  - **TreeView**

  - **ListView**

  - **ToolStrip / MenuStrip**

  - **Buttons**

ImageList Control

- Key properties of ImageList:

    - **Images** → Stores actual images

    - **ImageSize** → Sets size of icons (16×16 is default)

    - **ColorDepth** → Determines image quality

    - **TransparentColor** → Removes background color

- Adding an ImageList to a Form

    - Go to Toolbox → drag **ImageList** onto your form

    - Add images (icons) from your computer

    - ✔ Prefer .png icons

    - ✔ Prefer 16×16 or 32×32 sizes

    - ✔ Keep icon names meaningful (folder.png, file.png, user.png)

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Using ImageList with TreeView

- TreeView supports image display using ImageList

- It has two important properties:

  - **ImageList** → attach your ImageList

  - **ImageIndex** → default icon for all nodes

  - **SelectedImageIndex** → icon when node is selected

- Now the TreeView can use images from that ImageList

- Using Key Instead of Index

  - Key is safer than index