

---

# EUP Experiment 4

---

 **OUTDATED , YOU CAN COPY THEORY PART**

## Aim

---

Designing of Windows Form using custom controls.

## Theory

---

### Difference between Classic and Custom Controls:

- **Classic Controls:** Standard controls provided by .NET Framework with predefined appearance and behavior. Limited customization options.
- **Custom Controls:** User-defined controls that extend functionality and appearance, allowing more customization and control over display and behavior.

## ProgressBar

A control that visually represents the progress of a task.

### Properties:

- Value
- Minimum
- Maximum
- Step
- Style

### Events:

- ValueChanged
- Click
- Paint
- MouseEnter
- MouseLeave

## ListView

A control that displays a list of items with optional icons.

**Properties:**

- View
- FullRowSelect
- Sorting
- MultiSelect
- CheckBoxes

**Events:**

- ItemSelectionChanged
- ItemChecked
- ColumnClick
- SelectedIndexChanged
- ItemActivate

## ImageList

A control that holds a collection of images for use in other controls like `ListView` and `TreeView`.

**Properties:**

- Images
- ImageSize
- ColorDepth
- TransparentColor
- Tag

**Events:**

- None

## TreeView

A control that displays a hierarchical collection of items (nodes).

**Properties:**

- Nodes
- SelectedNode
- CheckBoxes
- ImageList
- ShowLines

## Events:

- AfterSelect
- BeforeExpand
- BeforeCollapse
- NodeMouseClicked
- NodeMouseDoubleClick

## MenuStrip and StatusStrip

- **MenuStrip:** A control that provides a menu bar for Windows Forms.
- **StatusStrip:** A control that provides a status bar at the bottom of a form.

## Properties:

- **MenuStrip:**
  - Items
  - Dock
  - RenderMode
  - BackColor
  - ForeColor
- **StatusStrip:**
  - Items
  - Dock
  - RenderMode
  - BackColor
  - ForeColor

## Events:

- **MenuStrip:**
  - ItemClicked
  - ItemAdded
  - ItemRemoved
  - Paint
  - Resize
- **StatusStrip:**
  - ItemClicked
  - ItemAdded
  - ItemRemoved

- Paint
- Resize

## Conclusion

---

Hence, we successfully performed the Designing of Windows Form using custom controls.

---