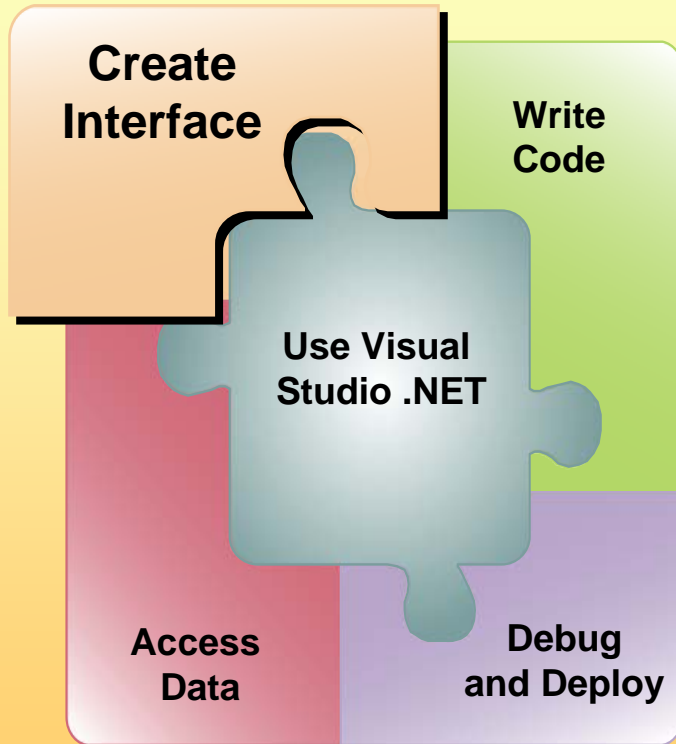


**Module 9:
Enhancing the User
Interface**

Overview

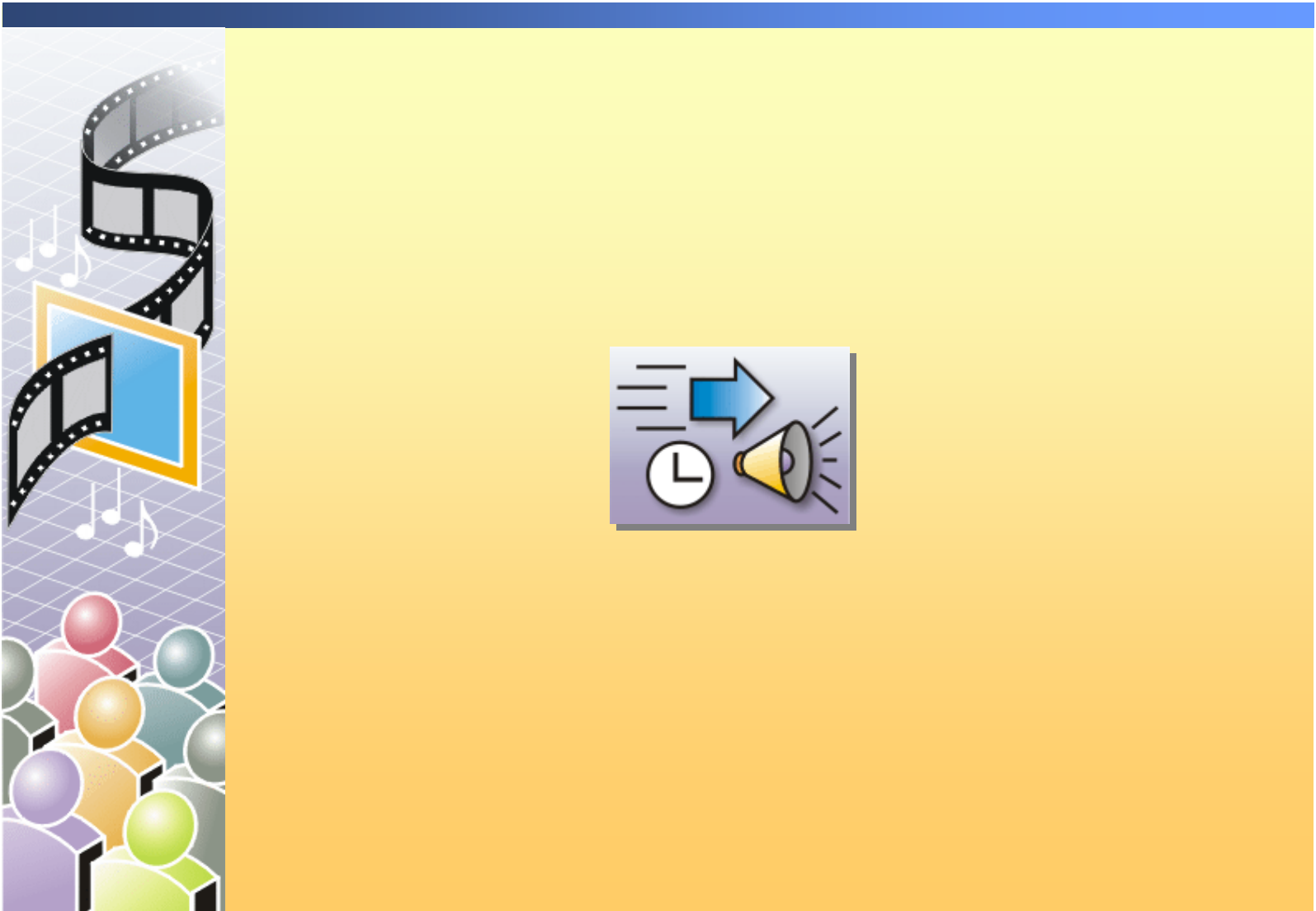


- Creating Menus
- Creating Status Bars
- Creating Toolbars

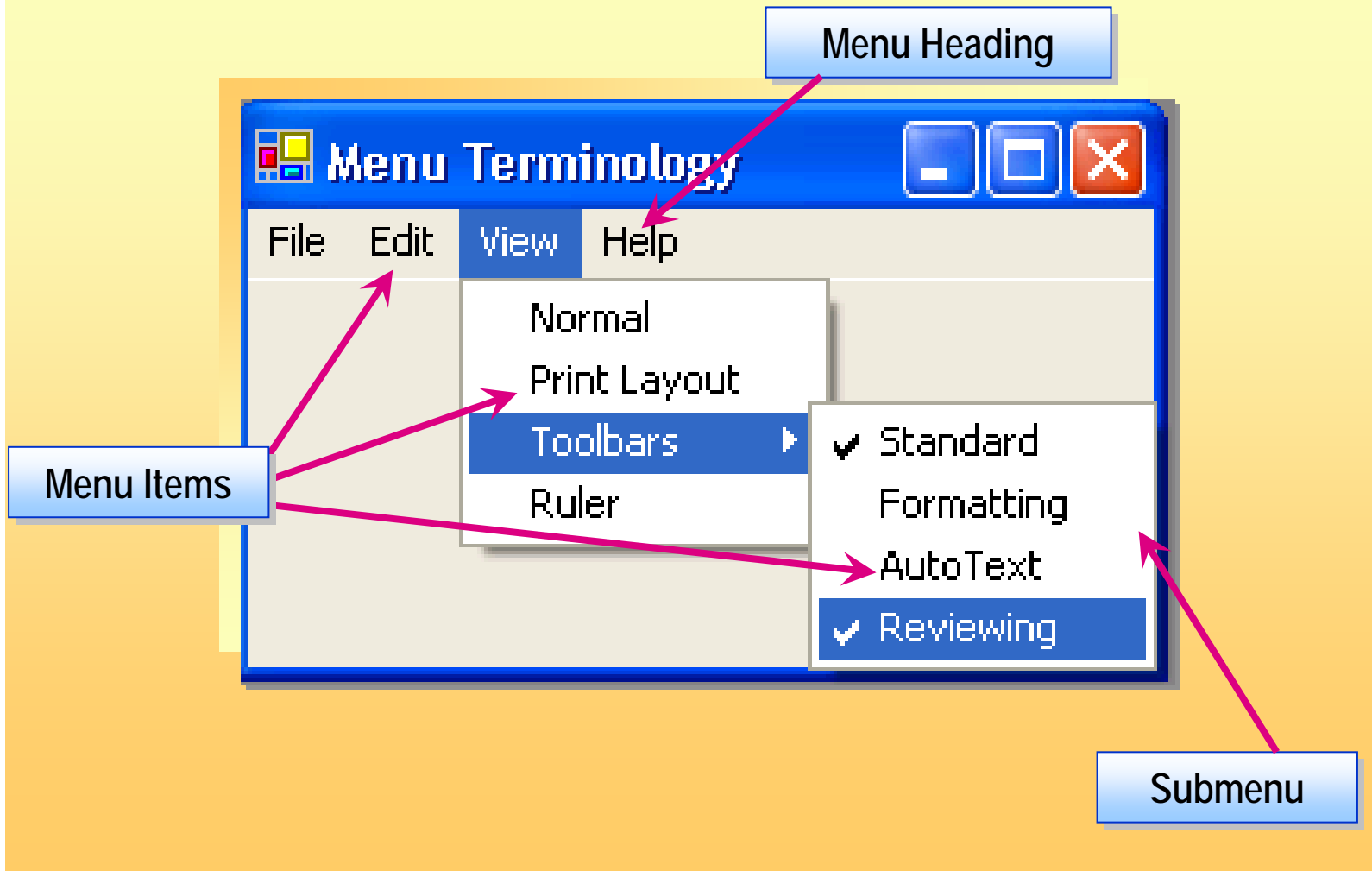
Lesson: Creating Menus

- Menu Terminology
- Guidelines for Creating Menus
- How to Create a Menu
- How to Modify Menu Items
- How to Enhance Your Menu

Multimedia: How to Create Menus



Menu Terminology



Guidelines for Creating Menus

Guideline	Example
Use initial capital letter	File, Edit, Help
Assign a unique access key	<u>F</u> ile, <u>E</u> dit, <u>H</u> elp
Use consistent naming conventions	FileItem, EditItem, HelpItem
Use ellipses (...) after menu commands that require more information from the user	Save As...

How to Create a Menu

1 Add a MainMenu control to the form

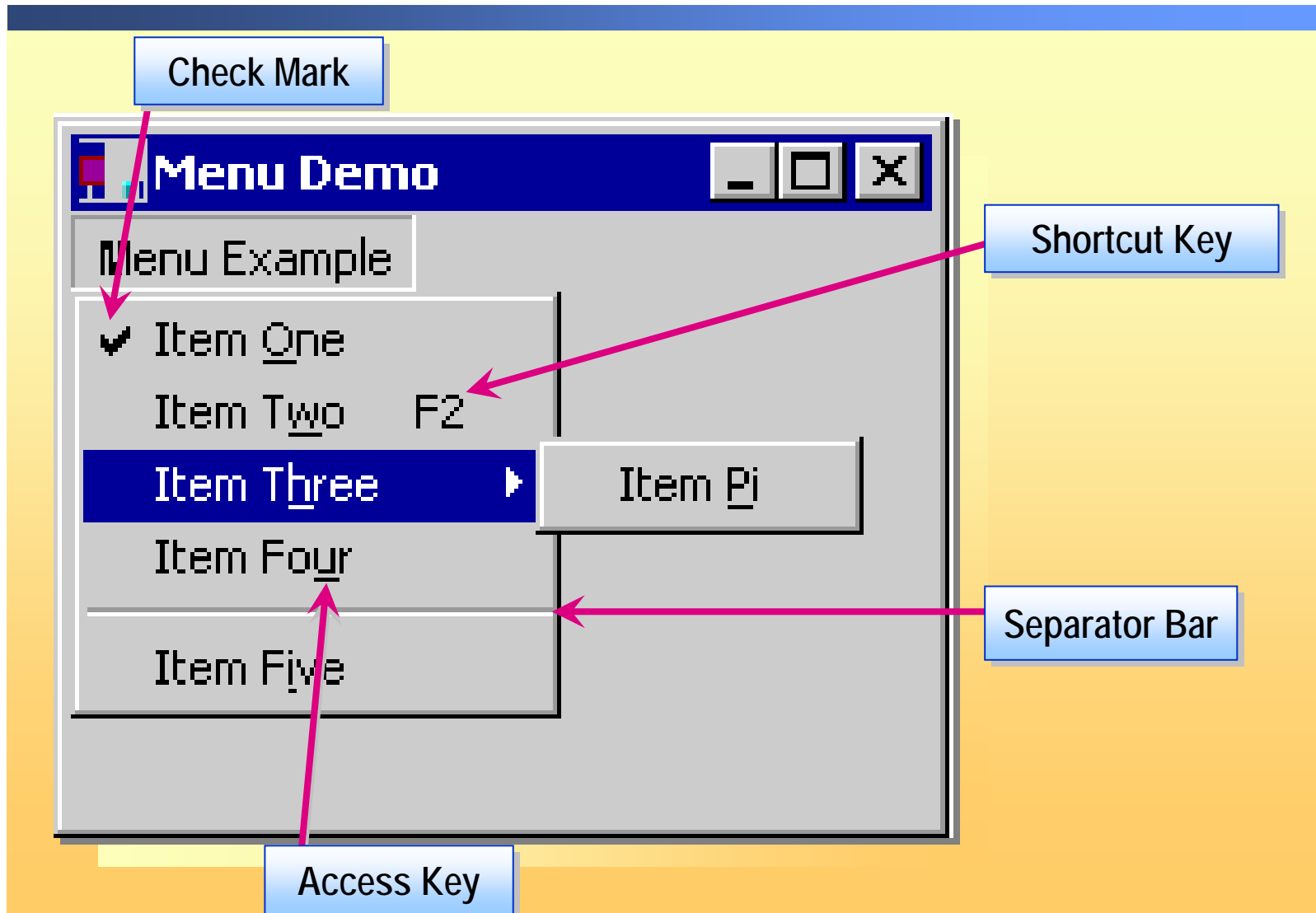
2 Create the structure of the menu by adding menu items

3 Add functionality to the menu items

How to Modify Menu Items

Desired change	Steps
Move	Click and drag the item in Menu Designer.
Delete	Right-click the item, and then click Delete.
Edit	Use the Properties window to change the Text property. Use the Name Editor to change the Name property.
Disable	Set the Enabled property of the item to False.
Hide	Set the Visible property of the item to False

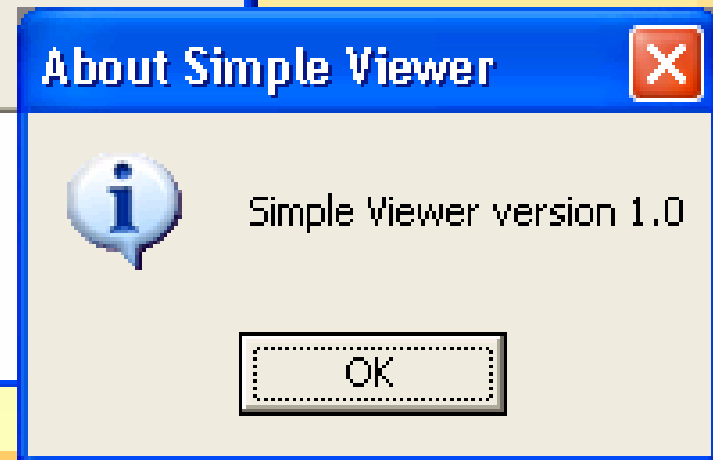
How to Enhance Your Menu



Practice: Creating a Menu

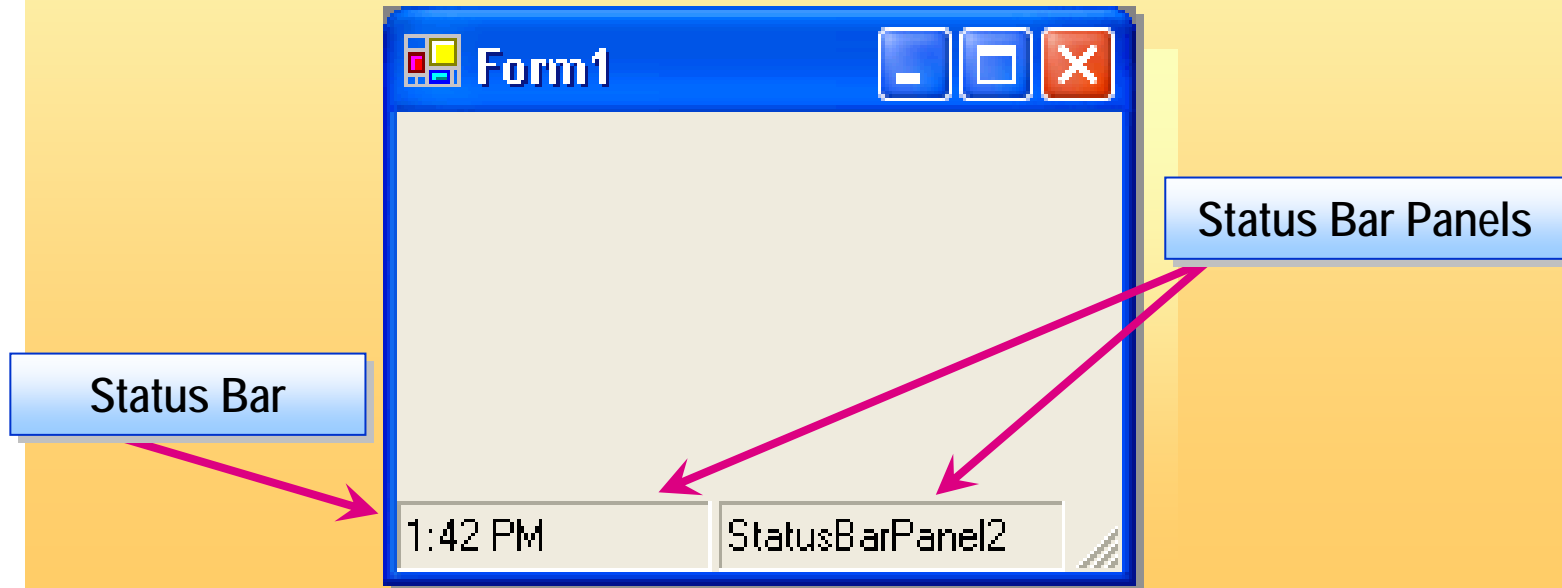
In this practice, you will:

- Create a menu for an existing application
- Assign access keys to menu items
- Add functionality to menu items



Lesson: Creating Status Bars

- How to Create a Status Bar
- How to Add Panels to a Status Bar
- How to Set Panel Text at Run Time



How to Create a Status Bar

Procedure

- 1** Open the form to which you will add the status bar
- 2** Add a StatusBar control from the Toolbox to the form
- 3** Set StatusBar properties
- 4** If desired, add panels to the status bar

How to Add Panels to a Status Bar

Procedure

- 1** Open the Properties window for the StatusBar control
- 2** Set the ShowPanels property to True
- 3** In the Panels property, open the StatusBarPanel Collection Editor
- 4** Use the Add and Remove buttons to add and remove status bar panels
- 5** Set the panel properties

How to Set Panel Text at Run Time

- Refer to a specific panel by using the index of the panel

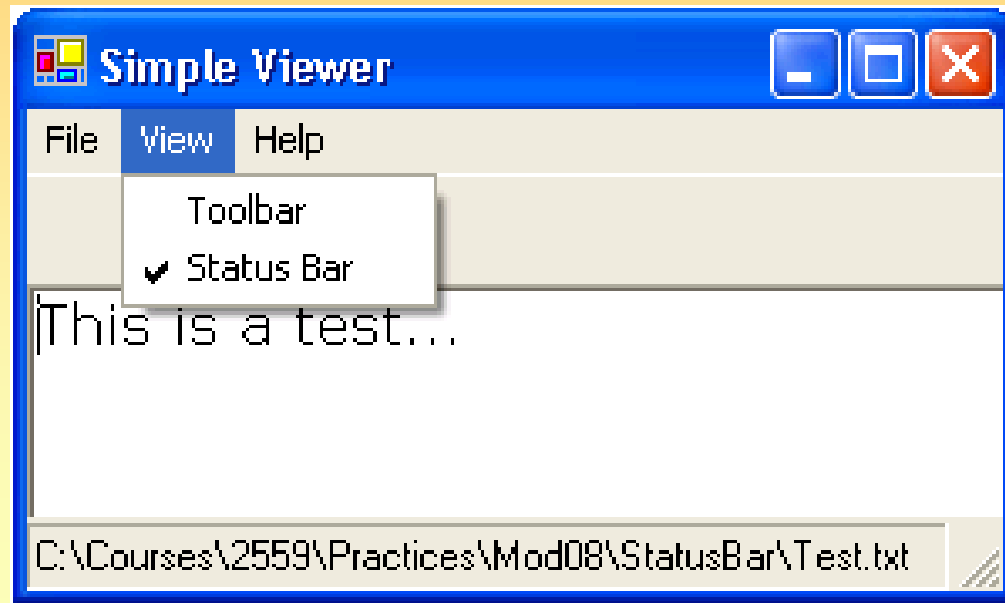
```
StatusBar1.Panels(0).Text = Now( )  
StatusBar1.Panels(1).Text = "Ready"
```

```
StatusBar1.Panels(0).Alignment = _  
    HorizontalAlignment.Center
```

Practice: Creating a Status Bar

In this practice, you will:

- Create a status bar
- Set status bar panel text at run time
- Add functionality to the Status Bar menu item



How to Create a Toolbar

Procedure

1 Add a ToolBar control from the Toolbox to the form

2 Set ToolBar properties

3 Add buttons to the toolbar

4 Set ToolBarButton properties

5 If desired, assign images for each of the toolbar buttons

6 Write code for the toolbar buttons

How to Add Buttons to a Toolbar

Procedure

- 1** Open the Properties window for the ToolBar controls
- 2** In the Buttons property, open the ToolBarButton Collection Editor
- 3** Use the Add and Remove buttons to add and remove toolbar buttons
- 4** In the ToolBarButton Collection Editor, set the button properties

How to Add Icons to Toolbar Buttons

Procedure

- 1** Drag an ImageList component from the Toolbox to the form
- 2** Add images to the ImageList component
- 3** Set the ImageList property for the ToolBar control
- 4** Add buttons to the ToolBar control
- 5** In the ToolBarButton Collection Editor, set the ImageIndex property for each button

How to Write Code for the ButtonClick Event

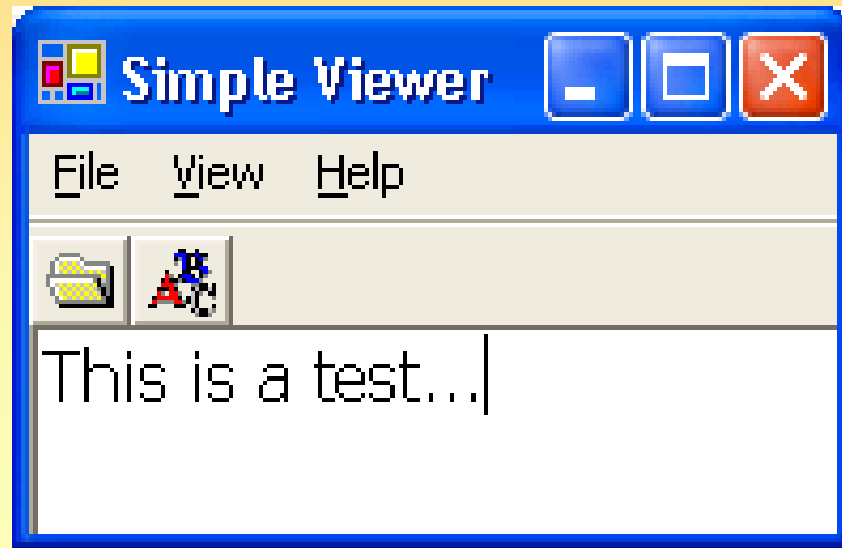
- All buttons on a toolbar share a single Click event
- To determine which button was clicked, use a Select Case statement and the ToolBarButtonClickEventArgs class

```
Protected Sub Toolbar1_ButtonClick(ByVal sender _  
    As Object, ByVal e As ToolBarButtonClickEventArgs)  
    Select Case Toolbar1.Buttons.IndexOf(e.Button)  
        Case 0  
            MessageBox.Show("First button clicked")  
        Case 1  
            MessageBox.Show("Second button clicked")  
    End Select  
End Sub
```

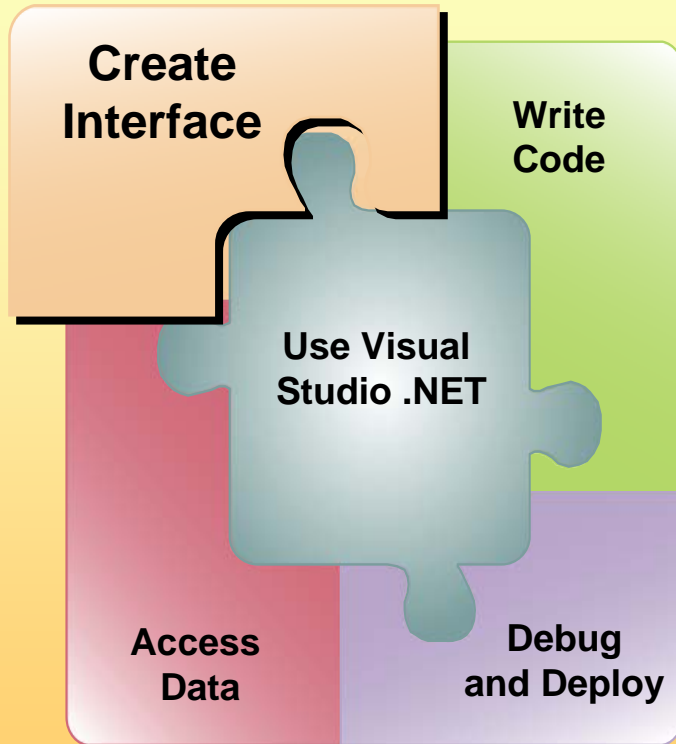
Practice: Creating a Toolbar

In this practice, you will:

- Create a toolbar
- Assign icons to toolbar buttons
- Add functionality to toolbar buttons
- Add functionality to the Toolbar menu item



Review



- Creating Menus
- Creating Status Bars
- Creating Toolbars