Module 3

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Form events

- MouseDown: Happens when mouse pointer is over the control and a mouse button is pressed
- MouseEnter: Happens when mouse pointer enters the control
- MouseHover: Happens when mouse pointer hovers over the control
- MouseLeave
- MouseMove

Objects passed to the mouse event handler

- (not all properties will be filled for all mouse events)

- Button-indicates which mouse button was pressed

  Button properties are

  Left: The left mouse button was pressed

  Middle, Right None

Keyboard Events

- KeyDown: happens when a key is pressed down while the control has focus

- KeyPress: Happens when akey pressed while the control has focus

- KeyUp: When a key is released while the control has focus

- With these events the event handler receives an argument of type *KeyEventArg* with the following events

continue

- Alt-holds a value indicating whether the alt key was pressed
- Ctrl,shift
- Handled: holds or sets a value indicating whether the key was handled
- KeyCode: Holds the keyboard code for a keydown or keyup event
- Key Data: holds the keyboard data for keydown or keyup event
- KeyValue: Holds the keyboard value for

Other Form Events

- Activated or Deactivated : when more than one form is displayed, the user can switch from one to other by using mouse or alt+tab key.

- Formclosed and Formclosing Events: The Form Closing event is fired when the user closes the form by clicking its close button:windows shutting down-same event

Sample Program

- Form1_formClosing(arguments)

 dim reply as MsgBoxResult

 reply= MsgBox (``Document has been edited OK to terminate the application Cancel to return to your document , msgboxstyle.OkCancel)

If reply =MsgboxResult.cancel then

      e.cancel=true

End if

End sub

Form Events continue

- <u>Resize, Resizebegin, Resizeend:</u>

Resize Event happens when the user resizes the form by using the mouse

Resizebegin and resizeend

Scroll Event:auto scroll property is set to true.and when user scrolls the form.

The second argument – exposes the oldvalue and newvalue properties, which are the displaements of the form before & scroll operation

Form events continue

- Paint event: takes place every time the form must be refreshed and we use its handler to execute code for any custom drawing on the form

Working with multiple forms

- New form is an object that inherits its capabilities from the System.Windows.Forms.Form

- To show new form use form2.show

- Opens in modeless manner means two forms are equal in stature on the dektop

- Modal manner-dialog box

Multiple form continue

- DialogResult properties are

Abort- The dialog box was closed with abort button

Cancel- The dialog box was closed with Cancel button

Ignore- The dialog box was closed with ignoe button

No- The dialog box was closed with No button

Ok- The dialog box was closed with Ok button

Continue properties

- Retry- The dialog box was closed with retry button

- Yes- The dialog box was closed with yes button

- None- The dialog box hasn't been closed yet. Use this option to find out whether a modeless dialog box is still open

Sharing variables between form

- Form1

    public a as integer

    public Datavalues(100) as double

To access in another form

 form1.a=99

Form1.datavalues(0)=1234.67