



# ObjectStudio 8 for VisualWorks Users

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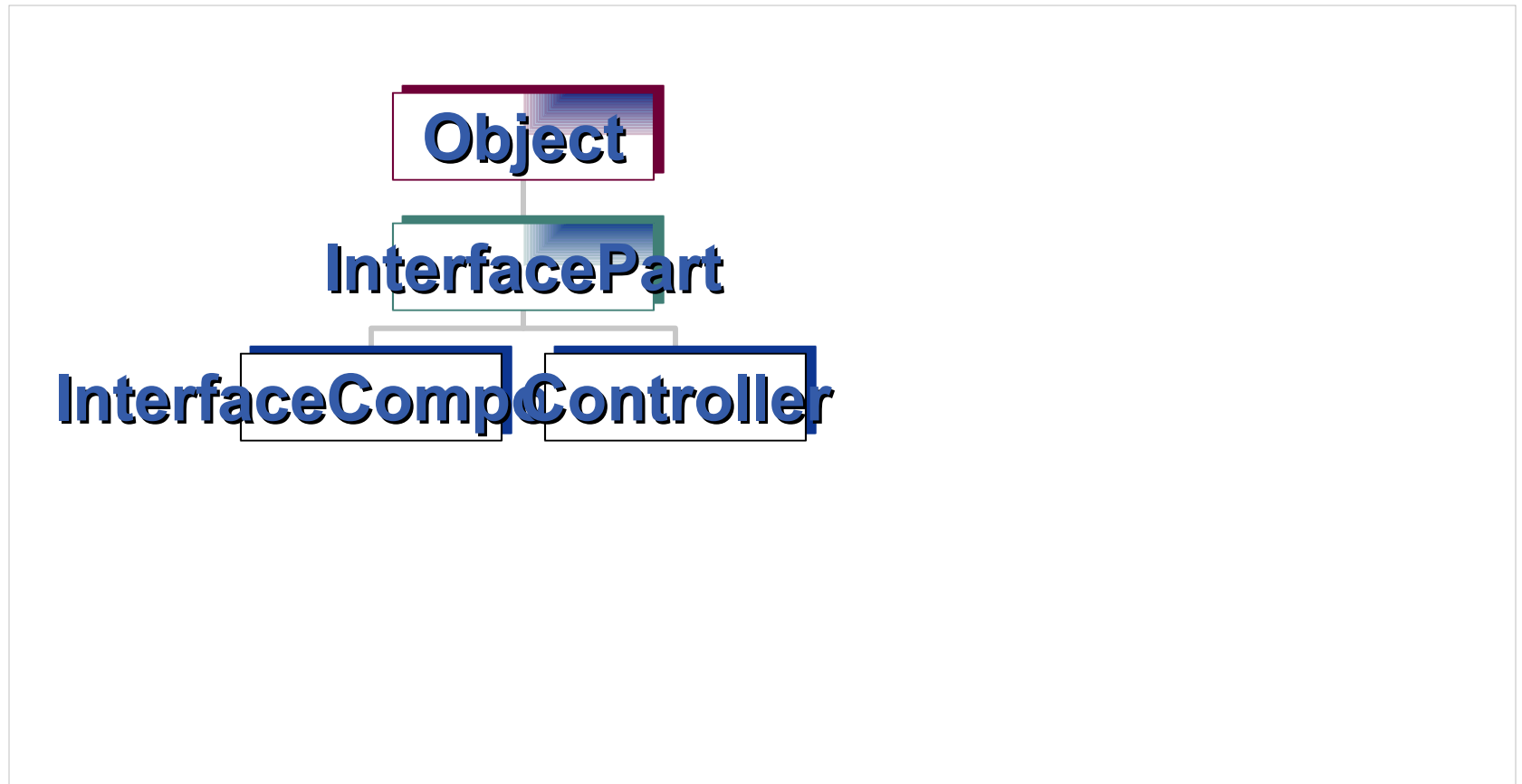
SIMPLIFICATION THROUGH INNOVATION™

Welcome  
December 13, 2006

# ObjectStudio 8 for VisualWorks Users

- Unique features of ObjectStudio
  - Native Widgets
  - COM/ActiveX integration
  - Modeling/Mapping
  - Legacy connections
    - Many databases
    - APPC
    - EHLLAPI

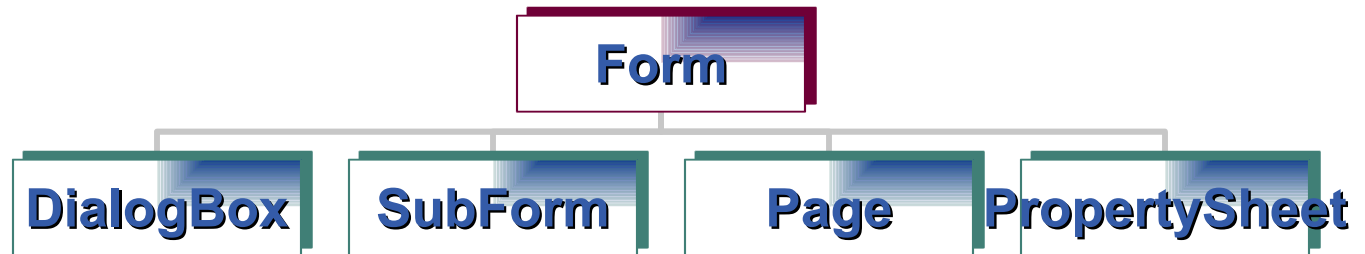
# GUI Hierarchy - Controller



# Controller

- A Controller manages screens and the GUI controls on those screens. It is made up of, among other things, the windows under its control, the GUI controls on those windows, and the methods that determine how the interface will behave.
- An InterfaceComponent manages one or more GUI controls. It is made up of the controls and any methods defined to determine their behavior. An InterfaceComponent can also be part of a larger Controller.

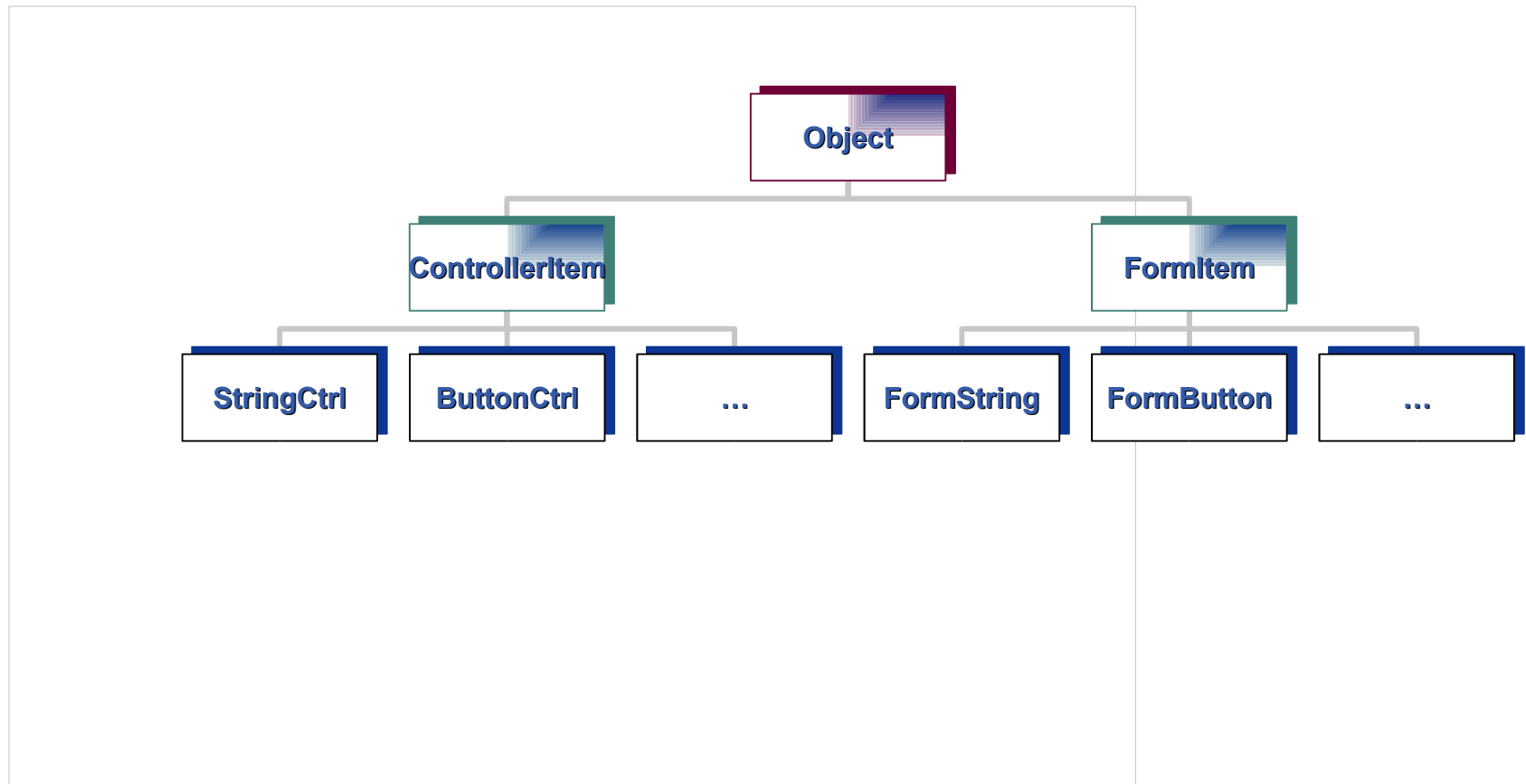
# GUI Hierarchy - Form



# Form

- A Form is a high level window
  - A container for GUI controls
  - Many variations:
    - DialogBox, ModalDialogBox
    - PropertySheet
    - Page
    - MDIWindowsForm
    - SubForm
    - WorkplaceWindow

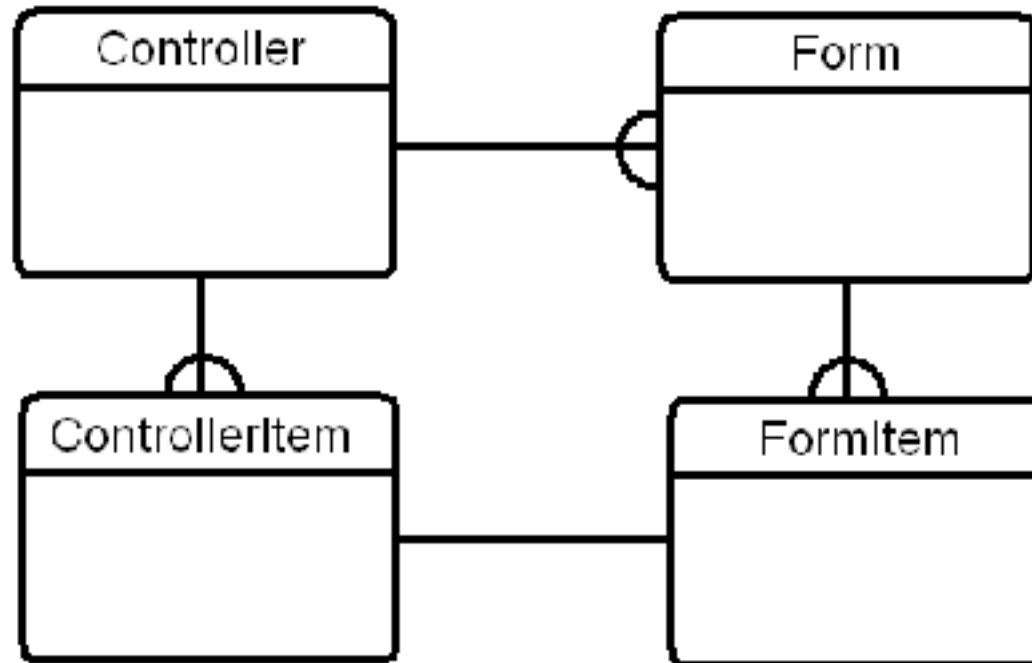
# GUI Hierarchy – ControllerItem / FormItem



# FormItem / ControllerItem

- FormItems are the windows widgets (i.e. entry fields, push buttons, list boxes, etc.)
  - They wrap the windows native widget, receive messages from the VM and from the ControllerItem
- ControllerItems provide a higher level interface to the functionality
  - Send them #enable / #disable / #getValue

# GUI Class Relationships



# Controller magic methods

- `finishInit`
  - Sent when controller is created
- `openInitialization`
  - Sent when controller is opened
- `postOpenInitialization`
  - Sent on idle queue when controller is opened
- `activationFor: aForm`
- `closeRequestedBy: aForm`

# Designer

- Designer is ObjectStudio's GUI painter
- Demo: 'Hello world' level Controller
- New Interface...
- New Item...

# More demos

- Check displaySample method
- Check Sample Browser
  - File->Load Application, pick Sample Browser
- COM/ActiveX

# Wrapping a VisualWorks GUI

- MARS example

- Questions?



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