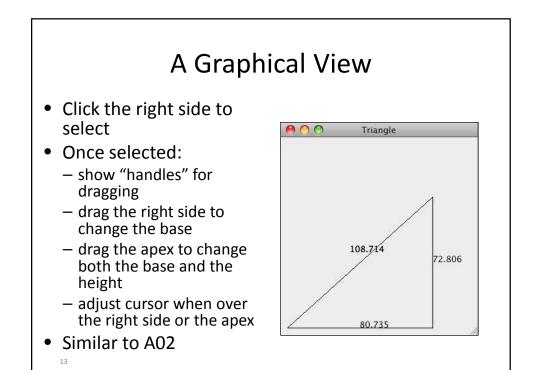
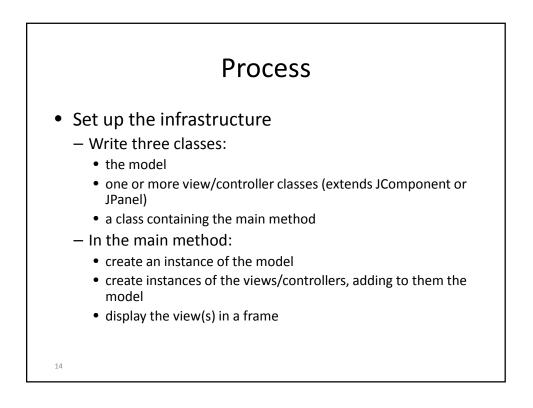


00		Triangle
Base: Height: Hypotenuse:	50	Base: + - 50 Height: + - 50 Hypotenuse: 70.71068
Base:	· · · • • · · · · · · · · · · · · · · ·	Base: 50 ¢ Height: 50 ¢ Hypotenuse: 70.711
Hypotenuse:	<u></u>	

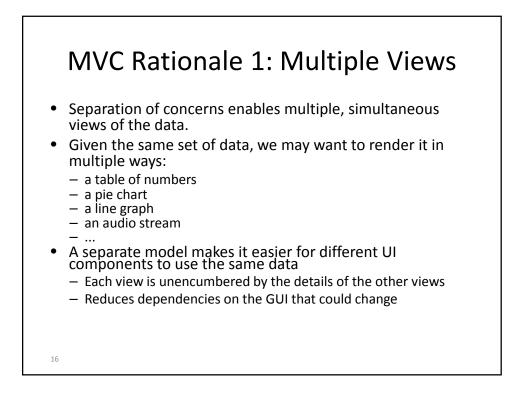


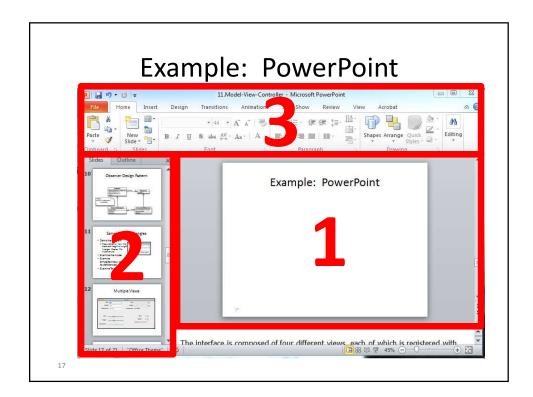


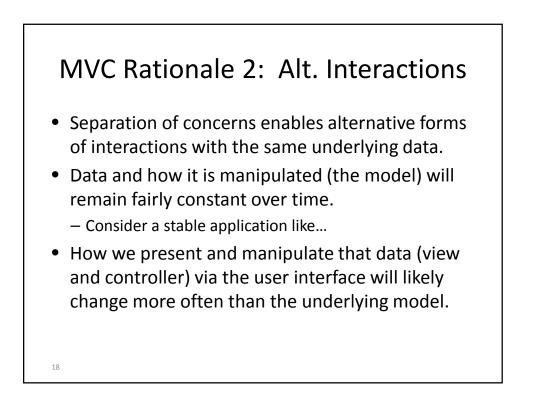
Process (cont.)

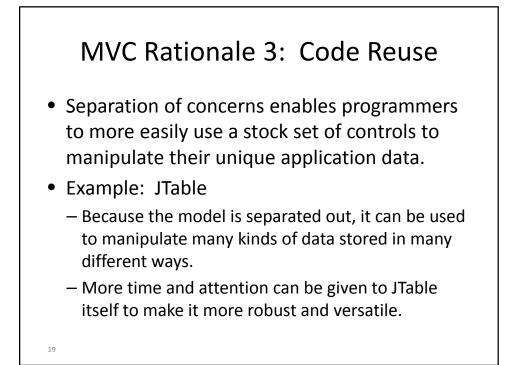
- Build and test the model
 - Design, implement, and test the model
 - add commands used by controllers to change the model
 - add queries used by the view to update the display
 - Call updateAllViews just before exiting any public method that changes the model's data
- Build the Views and Controllers
 - Design the UI as one or more views. For each view:
 - Construct components
 - Lay the components out in the view
 - Write and register appropriate controllers for each component
 - Write updateView to get and display info from the model; register it with the model.

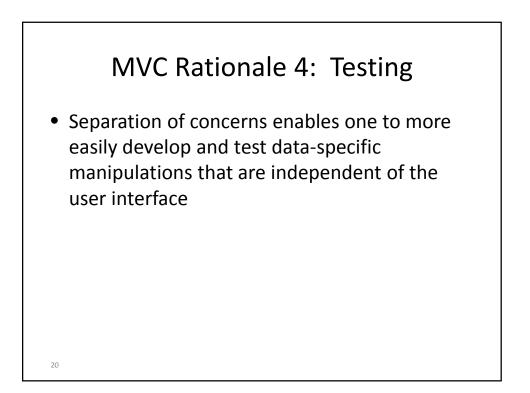
15







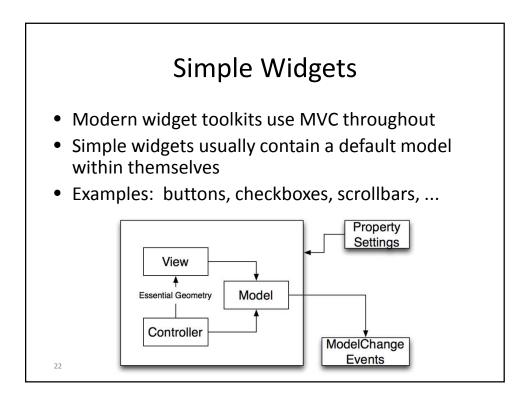


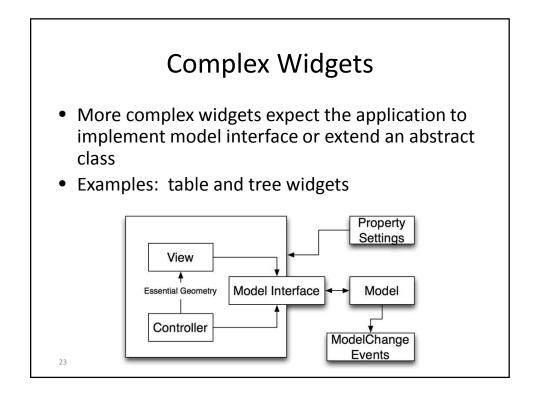


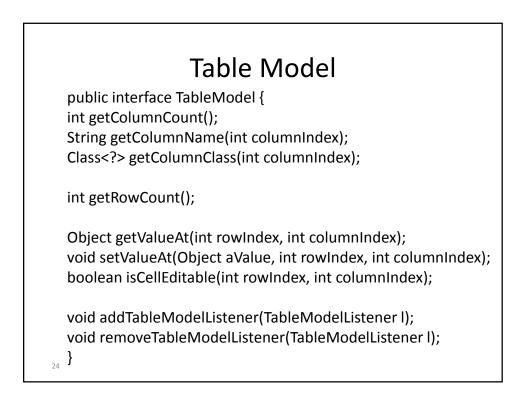
MVC and Java

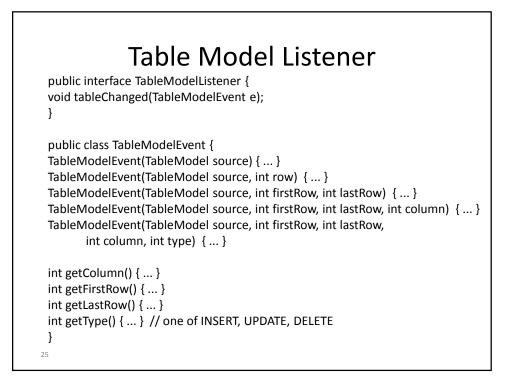
- Observers: Java's Listeners are a more complex version of the Observer pattern
 - Used on a smaller model: a component
 - Multiple "update" methods
 - "Update" methods have parameters
- Controllers:
 - Implemented in Java using inner classes
 - Generally an instance of a Listener
- MVC can occur at multiple granularities
 - And does in Java!

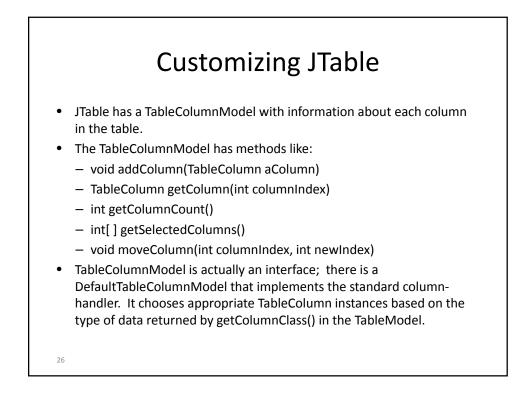
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Customizing JTable

- The TableColumn has information about a single column.
- It has methods like:
 - void setCellRenderer(TableCellRenderer cellRenderer)
 - void setCellEditor(TableCellEditor cellEditor)
 - void setPreferredWidth(int preferredWidth)
 - void setMinWidth(int minWidth)
 - void setResizable(boolean isResizable)
 - void setHeaderRenderer(TableCellRenderer headerRenderer)

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