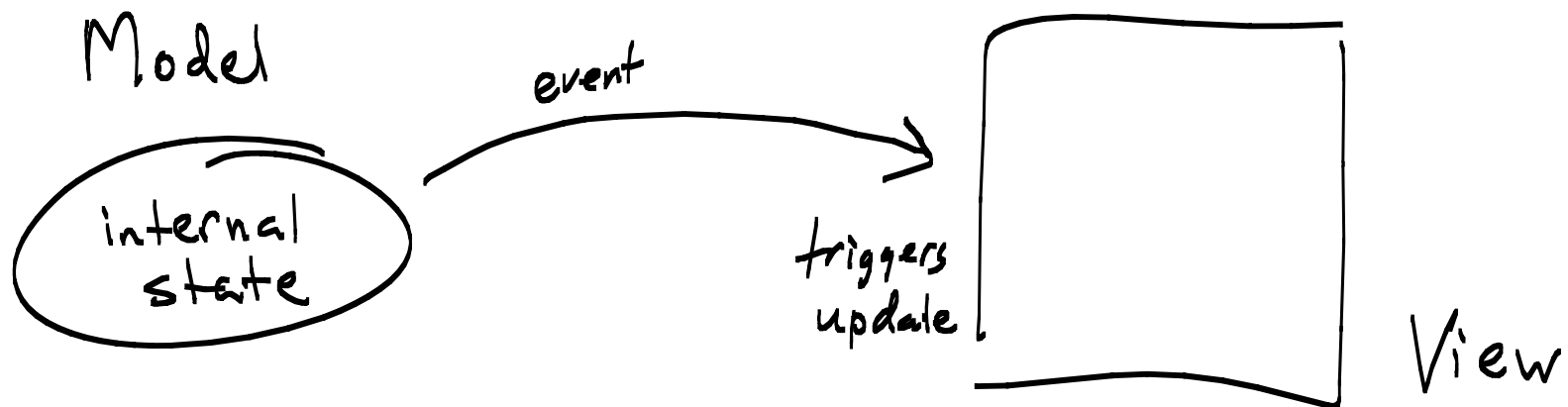


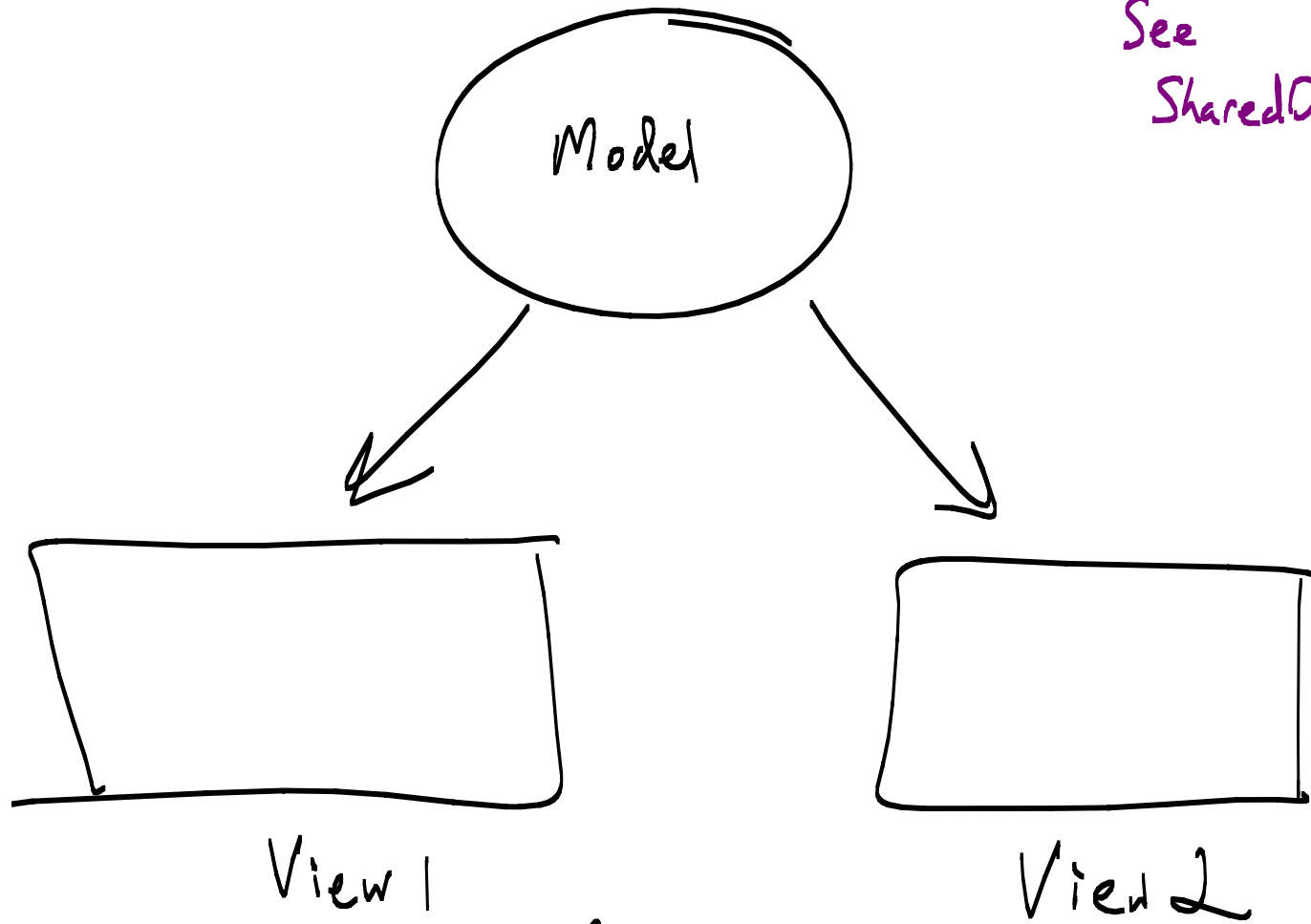
# Model / View Separation & Interaction

Note Title

2/27/2007



- Goal:
- ① View should let the user see an abstraction of the state
  - ② As the model changes, the view updates  
Polling or Event notification

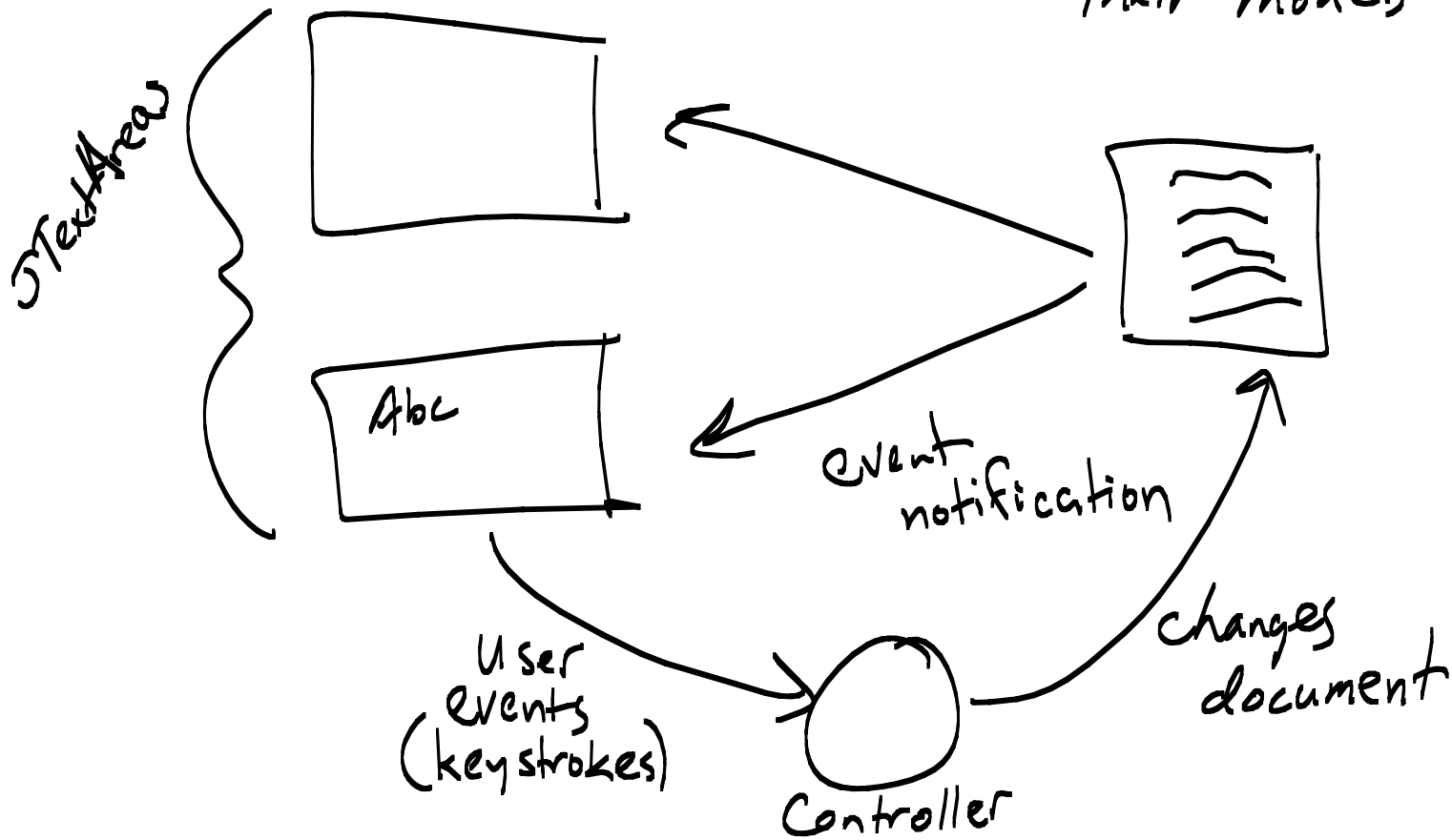


See  
SharedDocuments.java

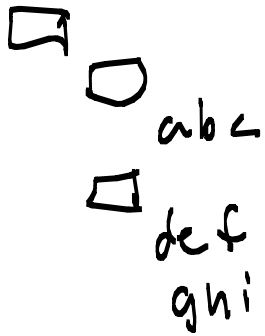
- Adv:
- Multiple kinds of views
  - Keep multiple views in synchrony

JTextField + JTextArea have documents

↑  
their models



JTree



has a model (tree nodes, starting at a root)

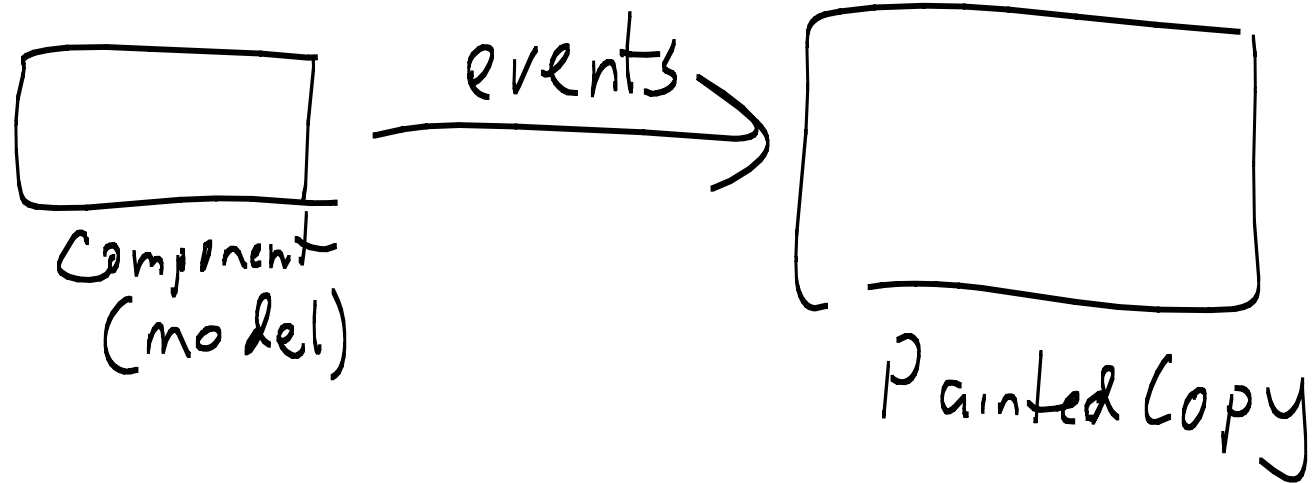
JTree

- reads the model incrementally
- it just paints the tree —  
you can't put components  
into the tree

Can have an infinite model

See `InfiniteTree.java`

Creating a view that updates due to  
property change notification

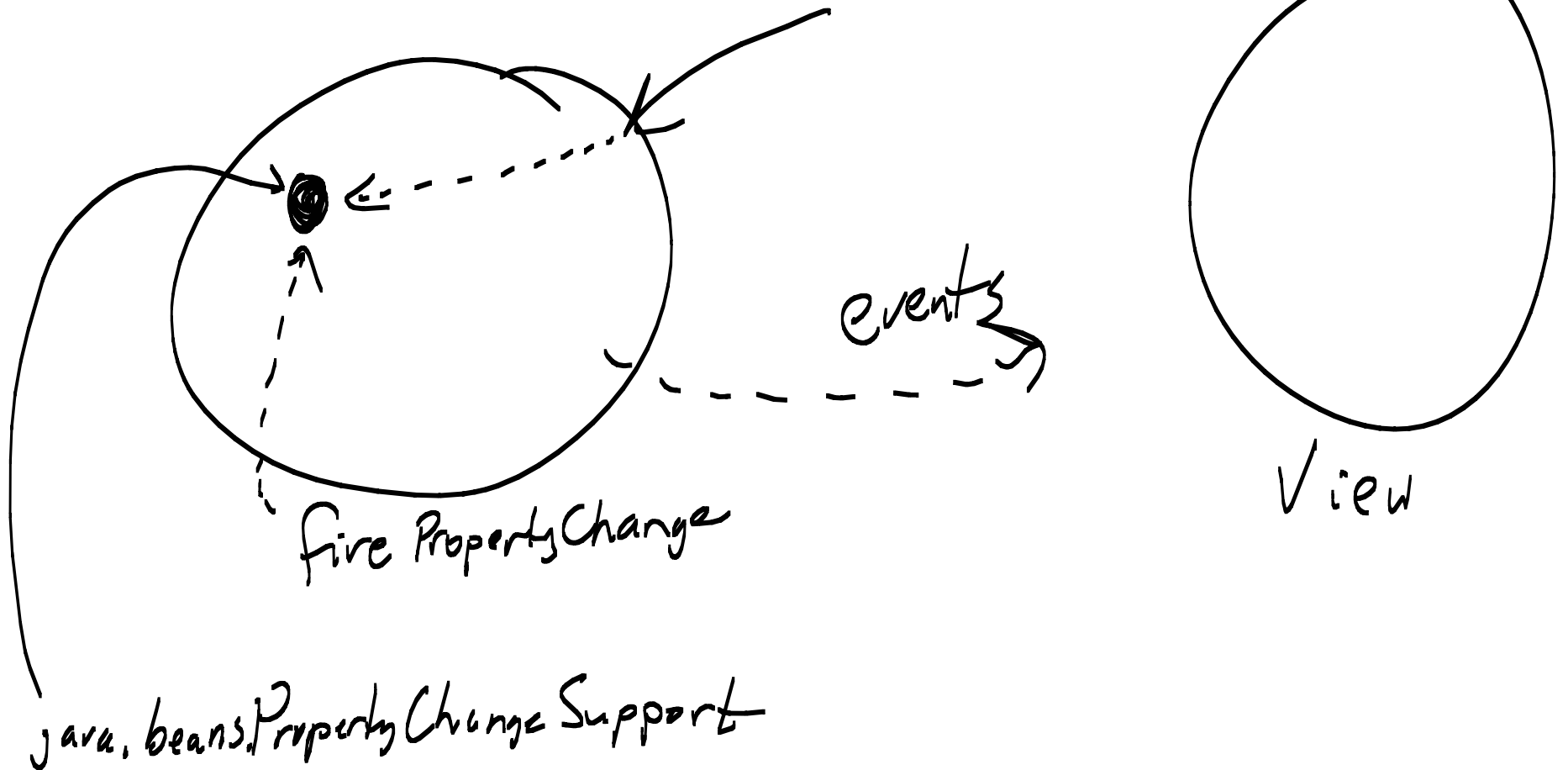


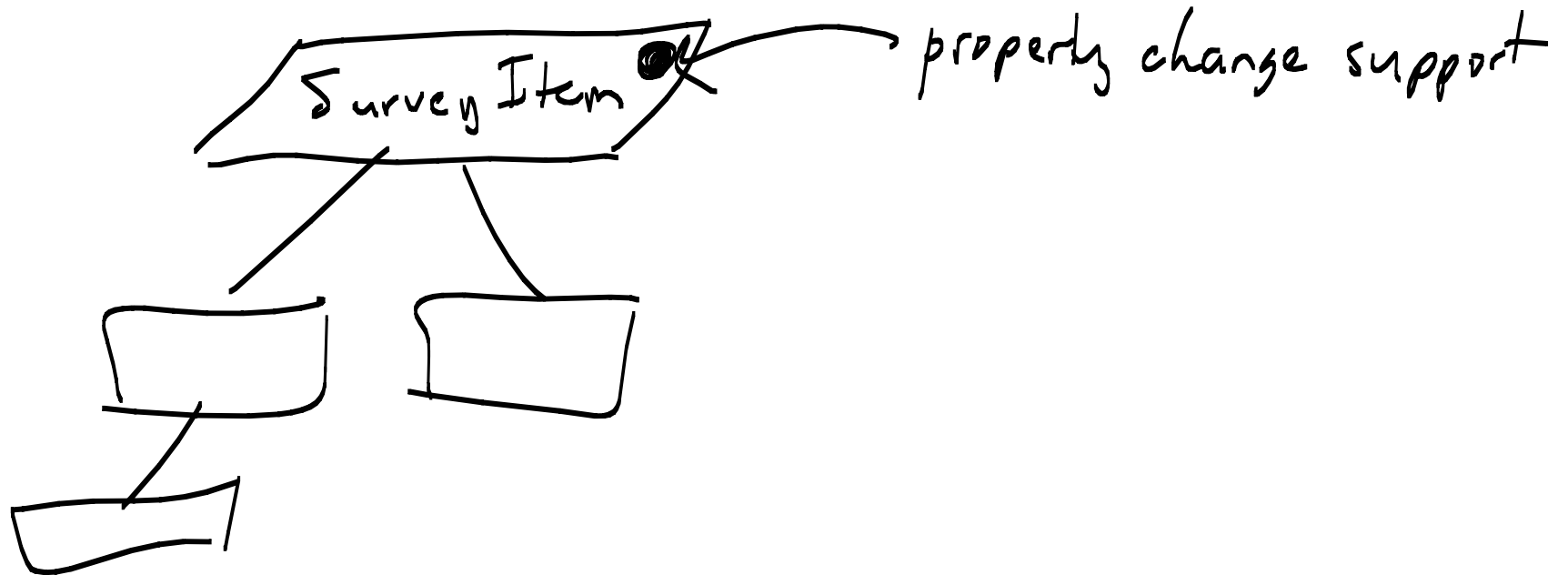
See `ListeningPaintedBuffer.java`

Want:

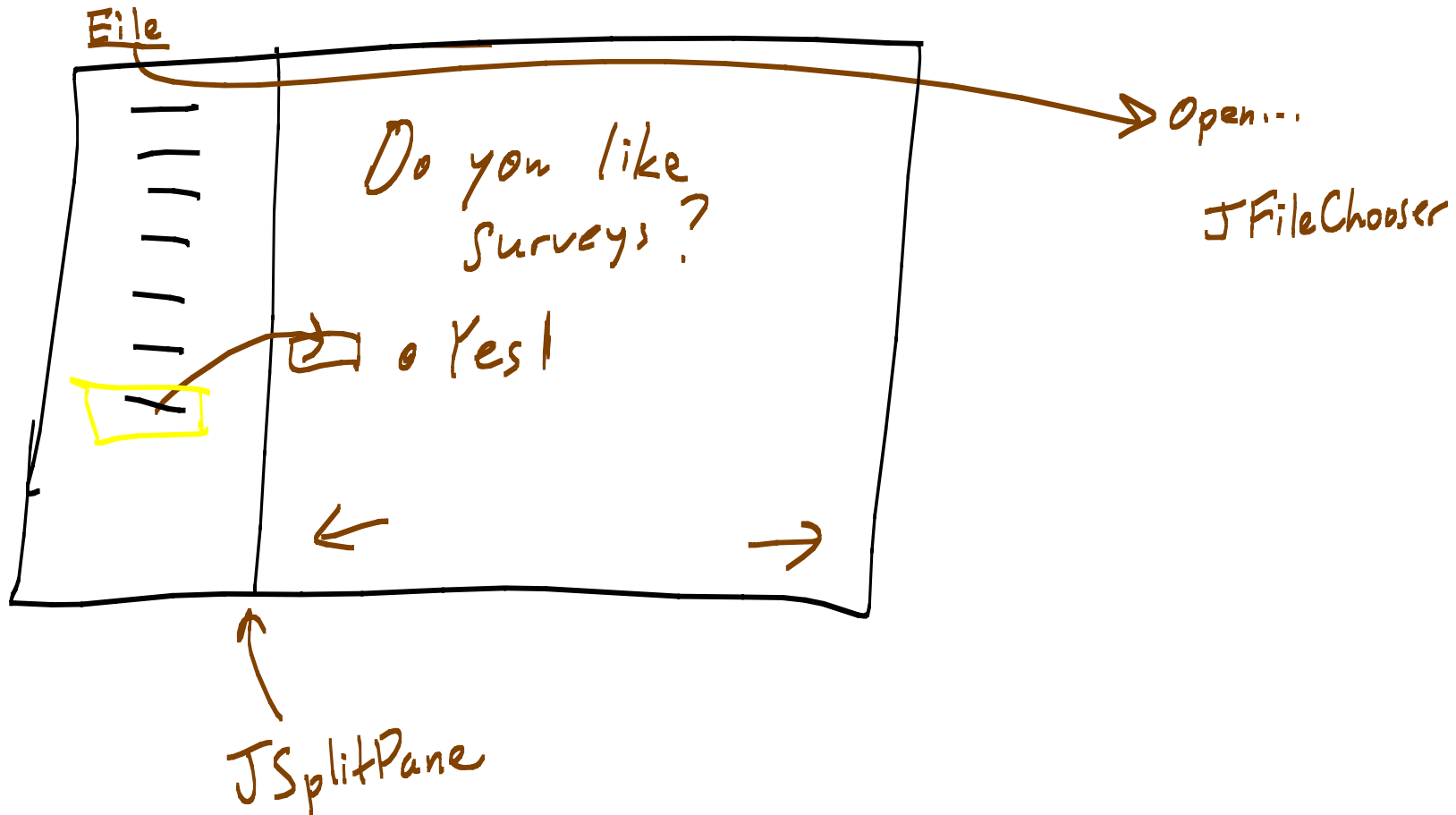
Custom model

addPropertyChangeListener





See `SomeViewTest.java`  
+ `SomeModel.java`  
+ `SomeView.java`



See the Lab 3 assignment description