colorPicker class diagram

«interface»
Observable
- +addObserver(Observer o)
- +removeObserver(Observer o)
- +notifyObservers()

«interface»
Observer
- +update(ColorPickerModel)

JFrame

ColorModel
- -red : int
- -green : int
- -blue : int

ColorPickerController
- -colorModel : ColorModel
- +updateRedValue(int)
- +updateGreenValue(int)
- +updateBlueValue(int)
- +initializeView()
- +brighten()
- +darken()
- +canBrighten() : boolean
- +canDarken() : boolean

ColorPickerView
- -redSlider : JSlider
- -greenSlider : JSlider
- -blueSlider : JSlider
- -redValueTextField : JTextField
- -greenValueTextField : JTextField
- -blueValueTextField : JTextField
- -redHexValueTextField : JTextField
- -greenHexValueTextField : JTextField
- -blueHexValueTextField : JTextField
- -redRadioButton : JRadioButton
- -greenRadioButton : JRadioButton
- -blueRadioButton : JRadioButton
- -cyanRadioButton : JRadioButton
- -orangeRadioButton : JRadioButton
- -yellowRadioButton : JRadioButton
- -blackRadioButton : JRadioButton
- -controller : ColorPickerController
- -darkerButton : JButton
- -brighterButton : JButton

App
- +main(String[])

JSlider

JTextField

JRadioButton

JButton

JPanel

ColorPickerText FieldChangeListener
- -textField : JTextField
- -action : Consumer<Integer>

«interface»
KeyListener
- +keyReleased(KeyEvent) : void
- +keyTyped(KeyEvent) : void
- +keyPressed(KeyEvent) : void

0..*   0..*   1   0   1   0..*   3   0..*   6   0..*   3   0..*   2   0..*   1