```
//--------------
    public Watch2Windows() {
        super("Change 2 other frames");
        observers = new Vector();     //list of observing frames

        JPanel p = new JPanel(true);  //add a panel to the content
                                        pane
        p.setLayout(new BorderLayout());
        getContentPane().add("Center", p);

        Box box = new Box(BoxLayout.Y_AXIS);  //vertical box layout
        p.add("Center", box);
        box.add(red = new JRadioButton("Red"));  //and three radio
                                                   buttons
        box.add(green = new JRadioButton("Green"));
        box.add(blue = new JRadioButton("Blue"));

        blue.addItemListener(this);   //listen for clicks
        red.addItemListener(this);     //on the radio buttons
        green.addItemListener(this);

        //make all part of same button group
        ButtonGroup bgr = new ButtonGroup();
        bgr.add(red);
        bgr.add(green);
        bgr.add(blue);

        //put a Close button at the bottom of the frame
        JPanel p1 = new JPanel();
        p.add("South", p1);
        pl.add( Close =new JButton("Close"));
        Close.addActionListener(this):        //listen for clicks
        setBounds(200, 200, 200, 200);
        pack();

    }
```

Note that the main frame class implements the Subject interface. Thus it must provide a public method for registering interest in the data in this class. This method is *registerInterest,* which just adds Observer objects to a Vector.

```
public void registerInterest(Observer obs) {
        //adds an Observer to the list
        observers.addElement(obs);
    }
```

Next we create two Observers, one that displays the color (and its name) and another that adds the current color to a list box.

```
//-----create Observers-----
    ColorFrame cframe = new ColorFrame(this);
    ListFrame lframe = new ListFrame(this);
    setVisible(true);
```