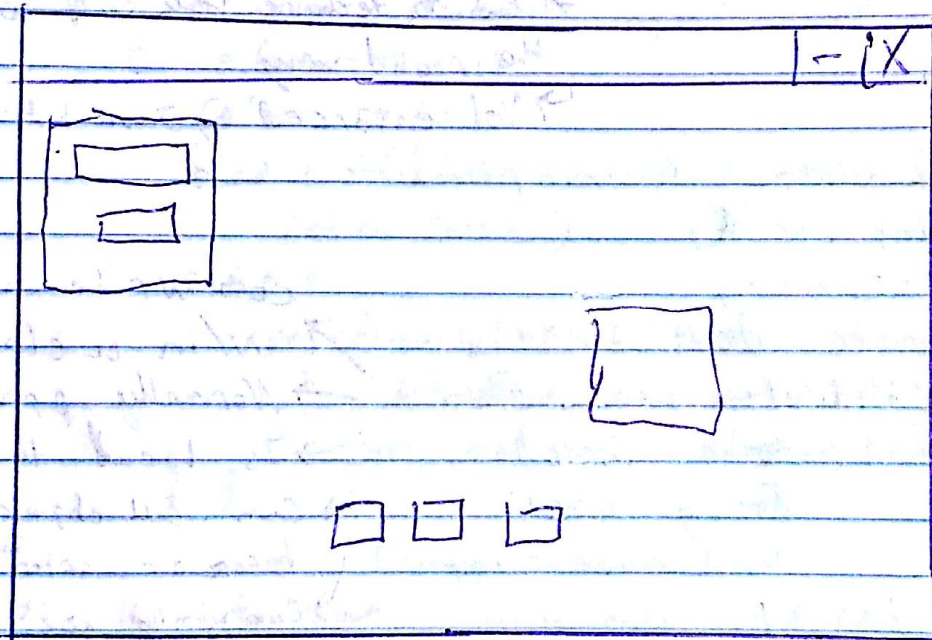
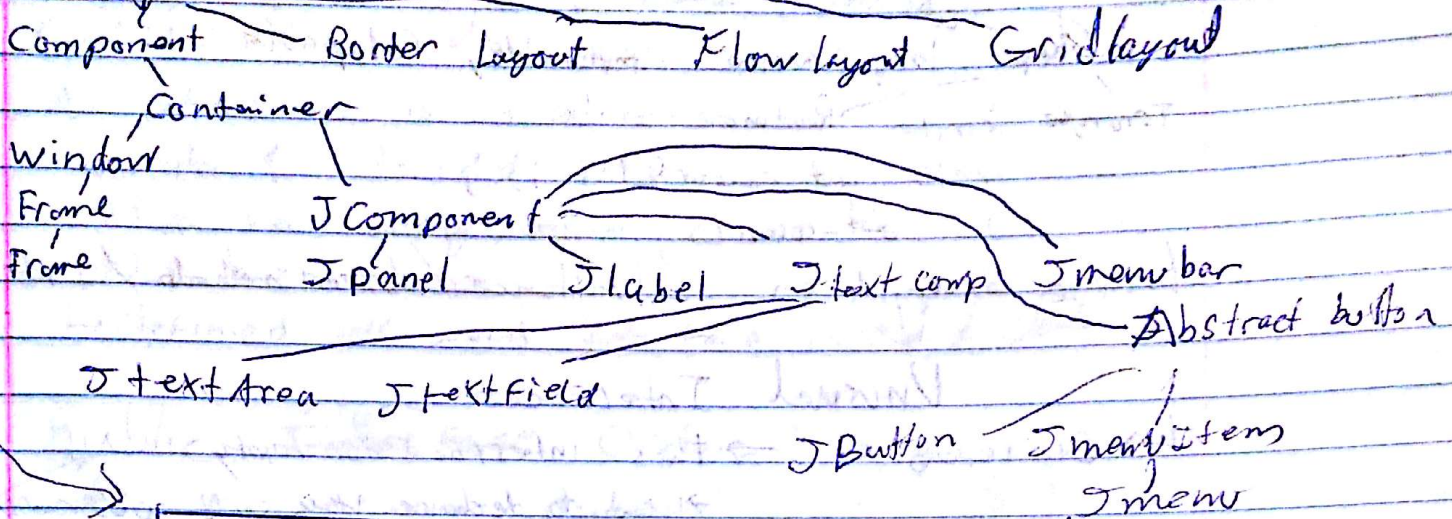


# Java lecture: GUI

Object



```

public First Window()
super()
setSize (width, height);
setTitle ("First window class")
setDefaultCloseOperation (
    JFrame.DO_NOTHING_ON_CLOSE);
JButton * endButton
= new JButton ("Click to end program!");
endButton.addActionListener
  
```

```

public class EndingListener implements ActionListener {
    public void ActionPerformed (ActionEvent e) {
        System.out.println();
    }
}

```

```

Public class PanelDemo extends JFrame implements ActionListener {
    ...
    public PanelDemo ()
    {
        Super ("Panel Demonstration");
        Set size (width, height);
        Set DefaultCloseOperation etc
    }
}

```

Lecture Start Nov 9<sup>th</sup> 2016 CE

You can add anything of type JComponent To type JFrame  
 setVisible = true

3 parts } Action Listeners  
 } containers & components  
 } GUI

3 ways to package Gui

```

public class LI implements ActionListener {
    actionReferences (Act string s) {}
}

```

→ Make it its own class

Can have JFrame listener as action listener