Made a few minor changes

-Added character limit of 4200 to messages

-Changed order of adding prompt to fix broken schematic for messaging yourself

**import** java.awt.\*;

**import** java.awt.event.\*;

**import** javax.swing.\*;

**import** java.util.Set;

**public** **class** **MsgWindow** **extends** **JFrame**

**implements** KeyListener

{

**private** **static** **final** **String** ***PROMPT*** = ">> ";

**private** **MsgUser** myUser;

**private** **JComboBox** buddiesList;

**private** **JTextArea** textArea;

**public** **MsgWindow** (**MsgUser** u, Set buddies)

{

**super**(u.toString());

addWindowListener(**new** WindowAdapter()

{ **public** **void** **windowClosing**(**WindowEvent** e) { myUser.quit(); }});

myUser = u;

**Object** **buddiesArray**[] = buddies.toArray();

buddiesList = **new** JComboBox(buddiesArray);

**JPanel** **talkTo** = **new** JPanel(**new** FlowLayout(**FlowLayout**.***RIGHT***));

talkTo.add(**new** JLabel("Talk to:", **JLabel**.***RIGHT***));

talkTo.add(buddiesList);

textArea = **new** JTextArea(10, 20);

textArea.setFont(**new** Font("Serif", **Font**.***PLAIN***, 20));

textArea.setLineWrap(**true**);

textArea.setWrapStyleWord(**true**);

textArea.append(***PROMPT***);

textArea.addKeyListener(**this**);

**JScrollPane** **areaScrollPane** = **new** JScrollPane(textArea);

areaScrollPane.setVerticalScrollBarPolicy(

**JScrollPane**.***VERTICAL\_SCROLLBAR\_ALWAYS***);

**Container** **c** = getContentPane();

c.add(talkTo, **BorderLayout**.***NORTH***);

c.add(areaScrollPane, **BorderLayout**.***CENTER***);

**int** **x** = (**int**)(**Math**.*random*()\* 500);

**int** **y** = (**int**)(**Math**.*random*()\* 300);

setBounds(x, y, 300, 300);

setVisible(**true**);

}

**public** **void** **addBuddy**(**MsgUser** u)

{

buddiesList.addItem(u);

}

**public** **void** **removeBuddy**(**MsgUser** u)

{

buddiesList.removeItem(u);

}

**public** **void** **showMessage**(**String** text)

{

textArea.append(text);

textArea.append("\n" + ***PROMPT***);

}

**private** **void** **sendMessage**(**String** text)

{

**MsgUser** **u** = (**MsgUser**)buddiesList.getSelectedItem();

textArea.append(***PROMPT***);

u.receiveMessage("[" + myUser.toString() + "] " + text);

}

/\*\*

\* Implement KeyListener interface:

\*/

**public** **void** **keyReleased** (**KeyEvent** e)

{

**String** **msg**;

**int** **code** = e.getKeyCode();

**switch**(code)

{

**case** **KeyEvent**.***VK\_ENTER***:

msg = textArea.getText();

**int** **tail** = msg.lastIndexOf(***PROMPT***) + ***PROMPT***.length();

msg = msg.substring(tail).trim();

**if**(msg.length() > 4200)

msg = "Message failed to send because I can only count to 4200 :(";

**if** (msg.length() > 0)

sendMessage(msg);

**break**;

}

}

**public** **void** **keyPressed** (**KeyEvent** e) {}

**public** **void** **keyTyped** (**KeyEvent** e) {}

}