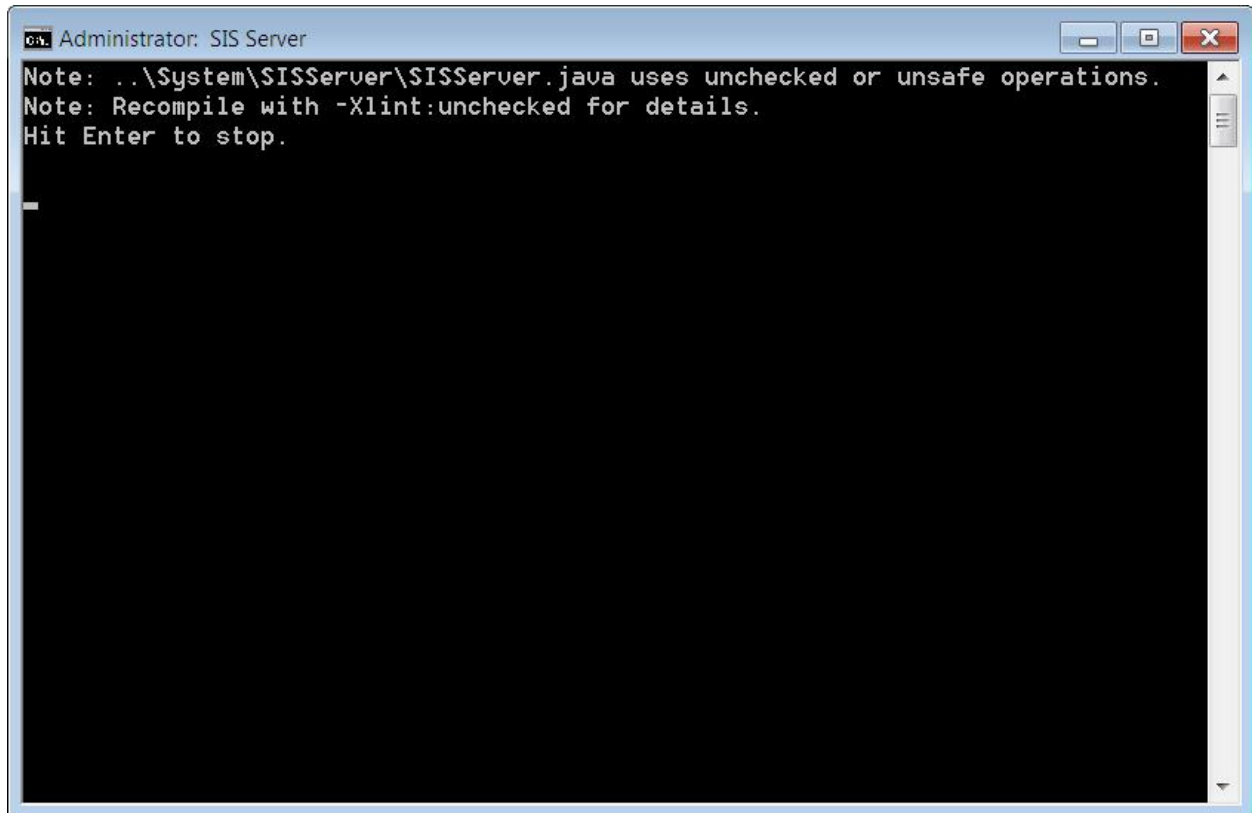


# Software Engineering Milestone 2

Qiao Zhang

## Start SIS Server

Run runServer.bat



```
Administrator: SIS Server
Note: ..\System\SISServer\SISServer.java uses unchecked or unsafe operations.
Note: Recompile with -Xlint:unchecked for details.
Hit Enter to stop.
```

Now the SIS server is started.

## Initialize Components

Run prjRemote.jar

The screenshot shows the prjRemote.jar application window. At the top, there are input fields for 'Server's IP' (127.0.0.1) and 'Port Number' (7999), followed by a 'Connect' button. The window is divided into two main sections: 'Sending Message' on the left and 'Message Received' on the right.

**Sending Message Section:**

- A text field contains the file path: C:\SE\Kinect\xml\InitXML\list\_InitXML.txt, with a 'Load' button next to it.
- A table with two columns: 'Key' and 'Value'.

Key	Value
MsgID	20
Description	Create KinectProcessor
Name	KinectProcessor
InputMsgID1	1007
OutputMsgID1	1006
- Below the table is a large empty text area.
- At the bottom of the section are buttons: 'CreateKi' (with a dropdown arrow), 'Save', 'Send', and 'Send All'.

**Message Received Section:**

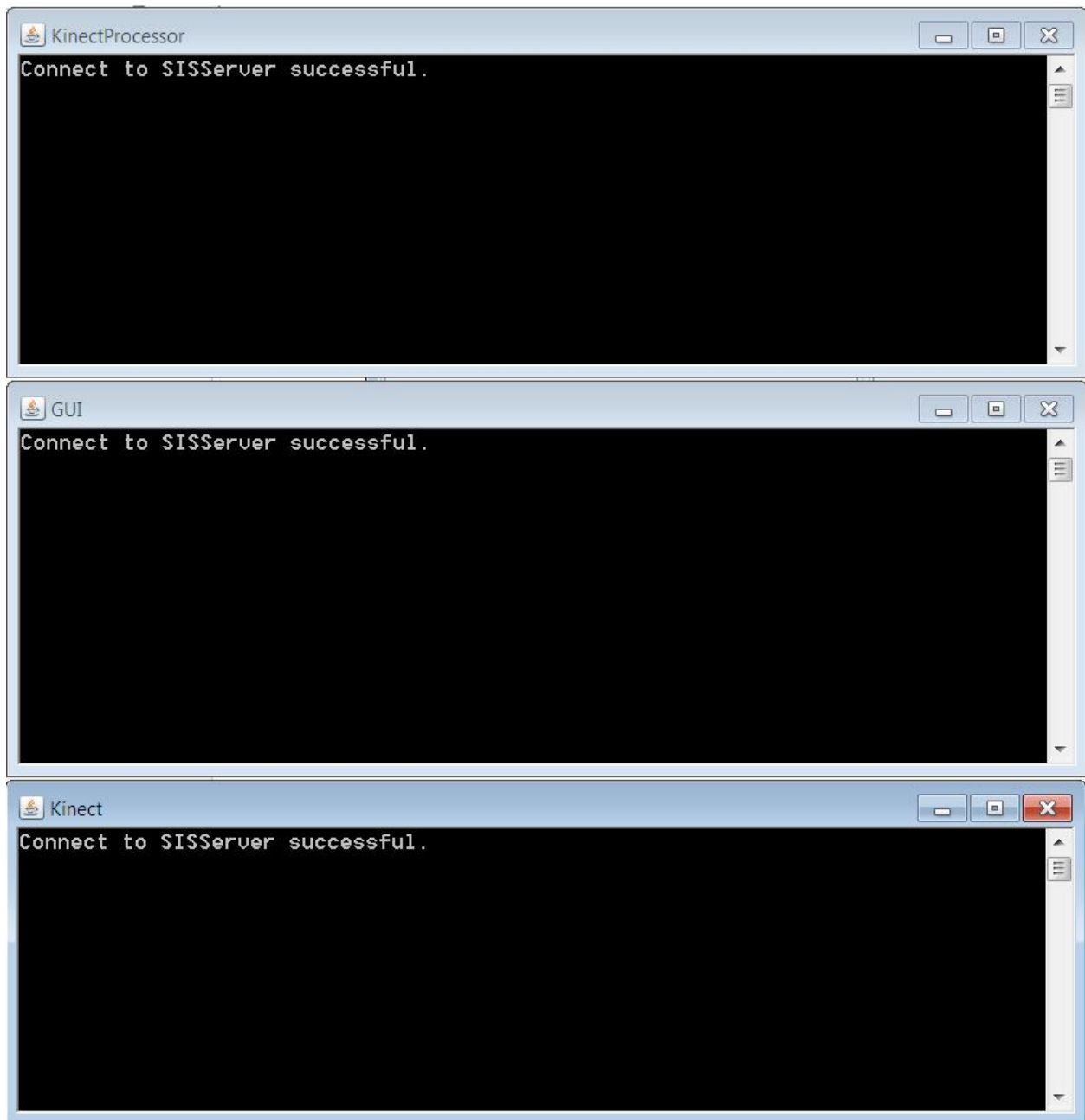
- A table with two columns: 'Key' and 'Value'.

Key	Value
MsgID	23
Description	Connect to SISServer
Name	Kinect
- Below the table is a large empty text area.
- At the bottom of the section are buttons: 'Refresh Rate (s/Msg)' (with a value of 2.0), 'Apply Rate', and 'Save Message'.

Create the components I implemented by entering the correct message 20 through prjRemote, using a script to get them started, and then entering the correct connect messages.

## Run All Components

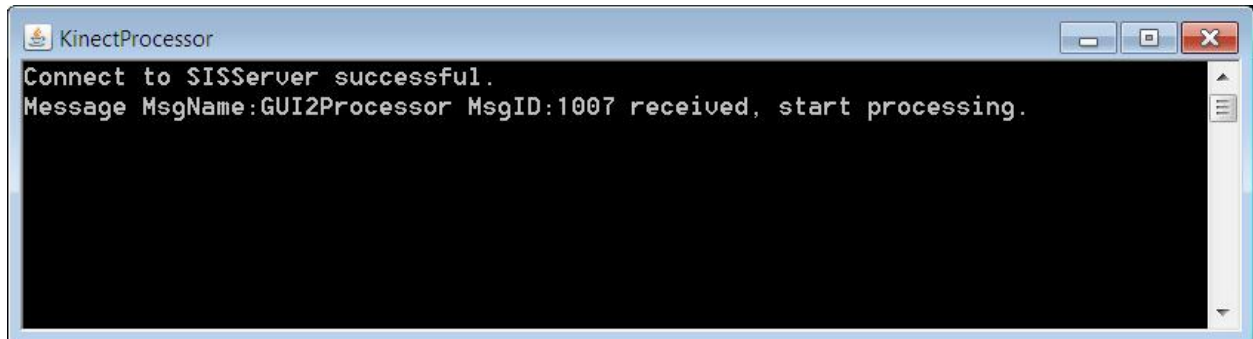
Run runAllComps.bat



Now all components are correctly running.

## Message Exchanging Between Components

We can manually test each component by sending corresponding messages, say message sent from GUI to Kinect Processor:



```
KinectProcessor
Connect to $ISServer successful.
Message MsgName:GUI2Processor MsgID:1007 received, start processing.
```

The MsgID is a made-up one; I still need to coordinate with the other students who are also working on this project.