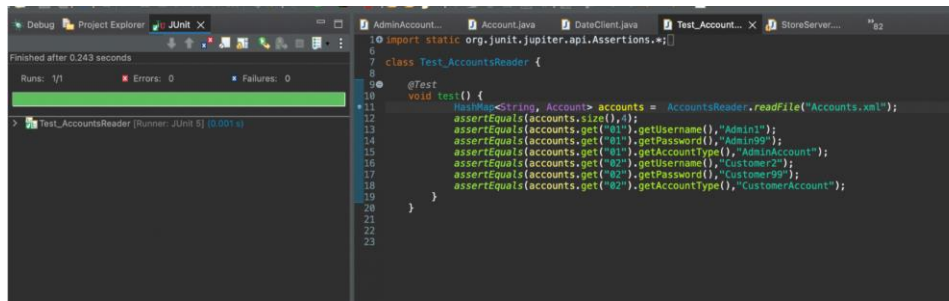


## Project 4 Report

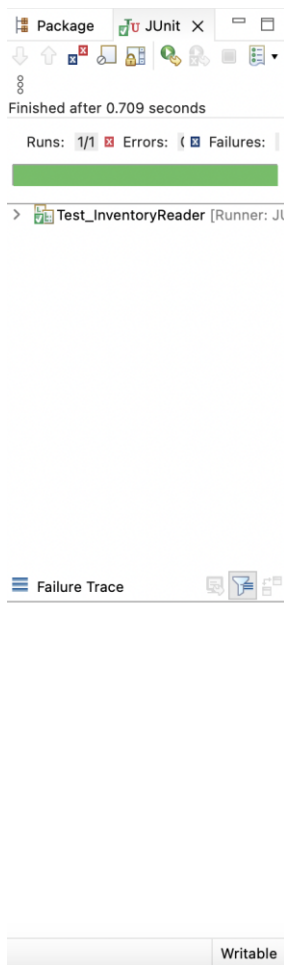
Yashdeep Deswal - Rebecca Mantione

Both	
StoreServer.java, StoreThread.java	Multithreading
Account.java AdminAccount.java CustomerAccount.java	Server design: StoreThread and Account classes
CustomerScene.java	GUI design: Scenes
Individual 1: Yashdeep	
ServerChat.java LoginScene.java (add button)	Chat Apps
AccountsReader.java + data Test_AccountsReader.java	XML data file design JUnit testing
login method changePassword method	Server design: StoreThread and Account classes Server design: StoreThread and Account classes
viewOrders method Test_viewOrders.java	Server design: StoreThread and Account classes JUnit testing
ViewOrdersScene.java	GUI design: Scenes
Individual 2: Rebecca	
CustomerChat.java SettingsScene.java (add button)	Chat Apps
InventoryReader.java + data Test_InventoryReader.java	XML data file design JUnit testing
sendInventory method Test_sendInventory.java	Server design: StoreThread and Account classes JUnit testing
getOrder method Test_getOrder.java	Server design: StoreThread and Account classes JUnit testing
PlaceOrderScene.jav	GUI design: Scenes

## Accounts Reader Test:

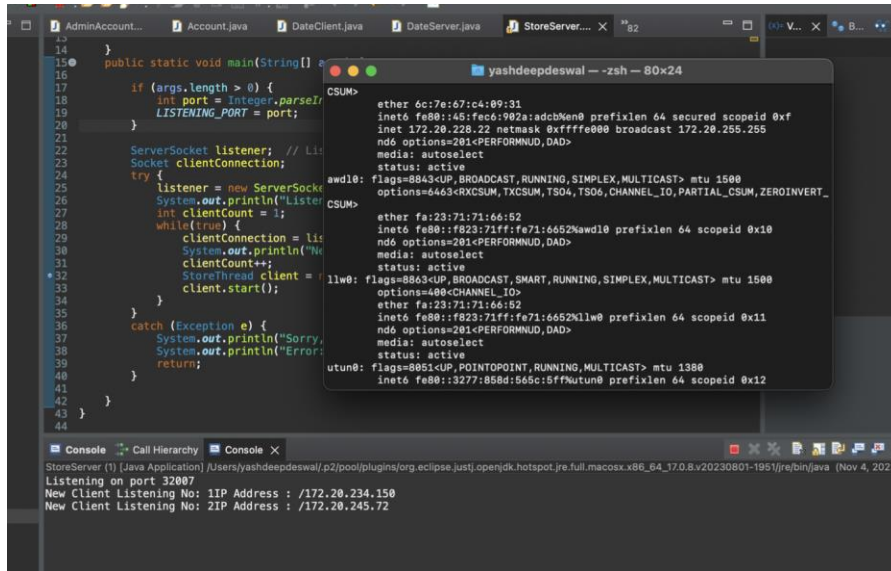


## Inventory Reader Screenshot:



### 3 Terminal Screenshots

Server:

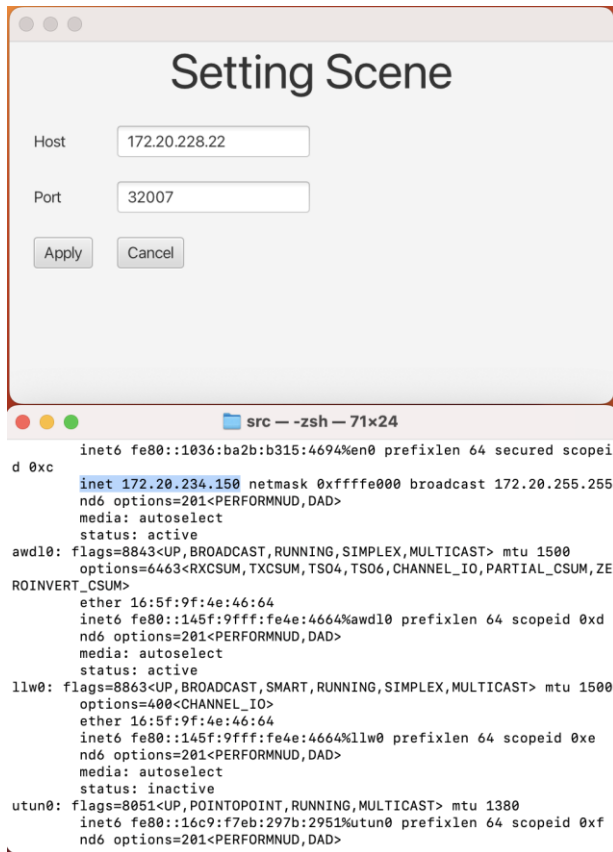


The screenshot shows a Java IDE with a file named `StoreServer.java` open. The code defines a `main` method that listens for incoming connections on a specified port. The IDE's console window at the bottom shows the following output:

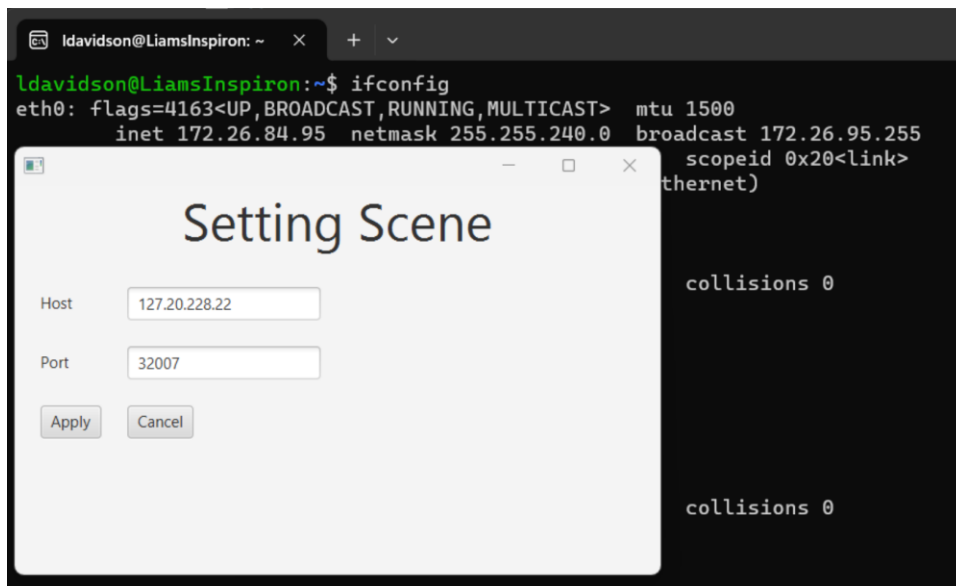
```
Listening on port 32007
New Client Listening No: 1 IP Address : /172.20.234.150
New Client Listening No: 2 IP Address : /172.20.245.72
```

Overlaid on the IDE is a terminal window titled `yashdeepdeswal - zsh - 80x24`. It displays the output of the `ifconfig` command for the `CSUM` interface, showing details such as IP address, netmask, broadcast address, and interface flags.

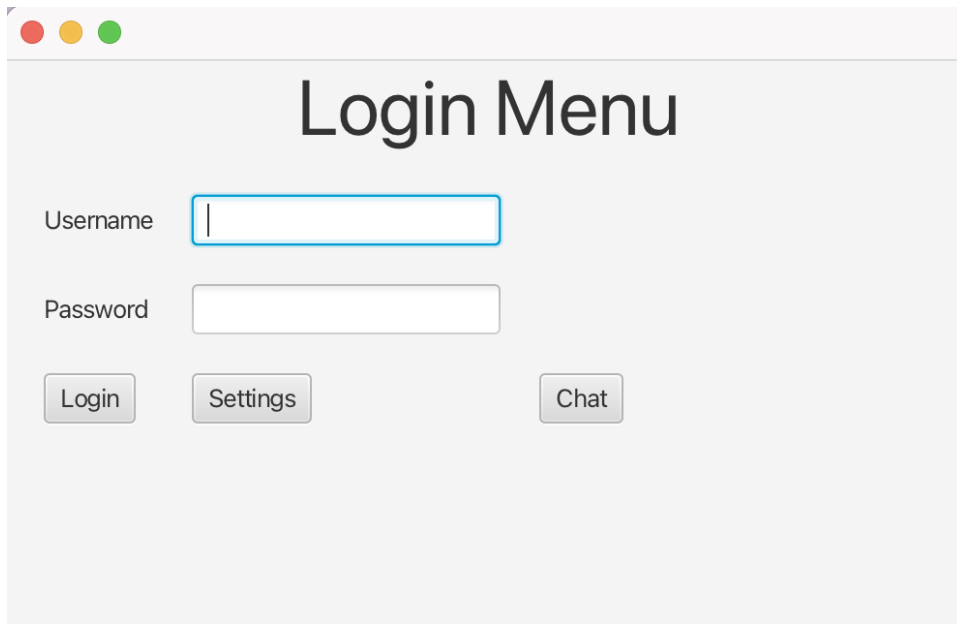
Client 1:



## Client 2:



## Login Scene:



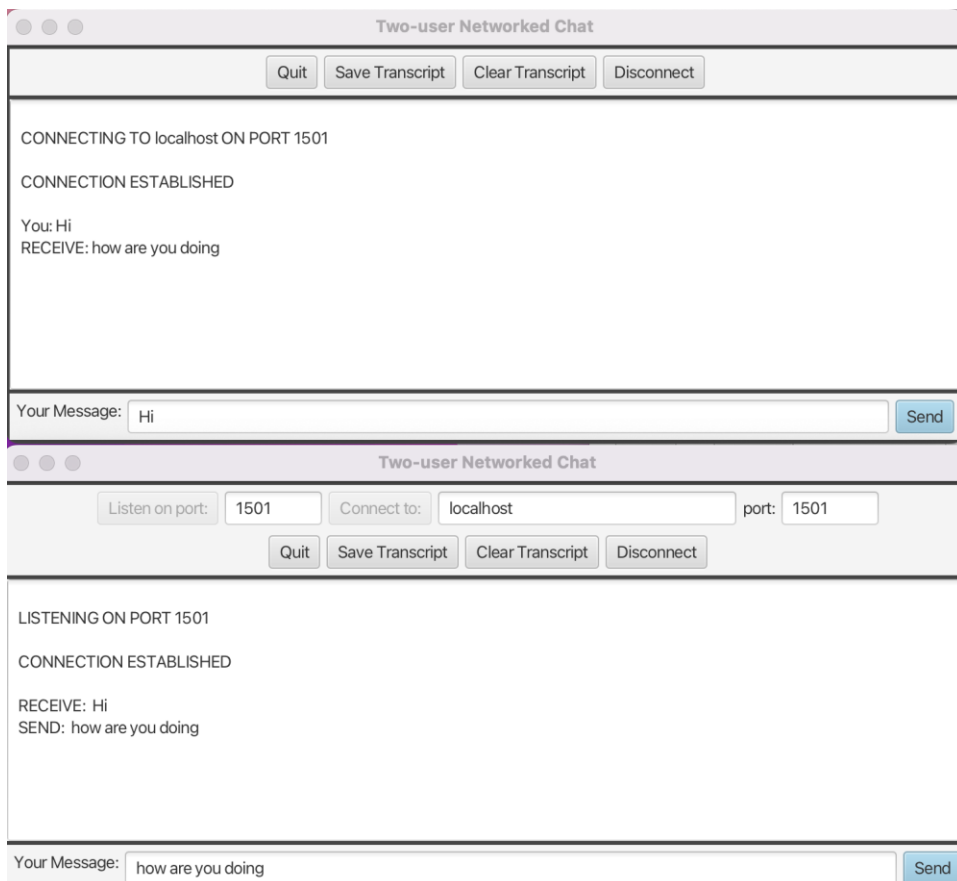
A window titled "Login Menu" with a light gray background. It features three input fields: "Username" (with a blue border), "Password", and a third empty field. Below these are three buttons: "Login", "Settings", and "Chat". The window has a standard macOS-style title bar with red, yellow, and green window control buttons.

# Login Menu

Username

Password

**Chat:**



Two windows titled "Two-user Networked Chat". The top window shows a chat log with "CONNECTING TO localhost ON PORT 1501", "CONNECTION ESTABLISHED", "You: Hi", and "RECEIVE: how are you doing". It has buttons for "Quit", "Save Transcript", "Clear Transcript", and "Disconnect". The bottom window shows "LISTENING ON PORT 1501", "CONNECTION ESTABLISHED", "RECEIVE: Hi", and "SEND: how are you doing". It has input fields for "Listen on port:", "Connect to:", and "port:", along with the same chat buttons. Both windows have a "Your Message:" input field at the bottom with a "Send" button.

## Two-user Networked Chat

CONNECTING TO localhost ON PORT 1501

CONNECTION ESTABLISHED

You: Hi

RECEIVE: how are you doing

Your Message:

## Two-user Networked Chat

Listen on port:  Connect to:  port:

LISTENING ON PORT 1501

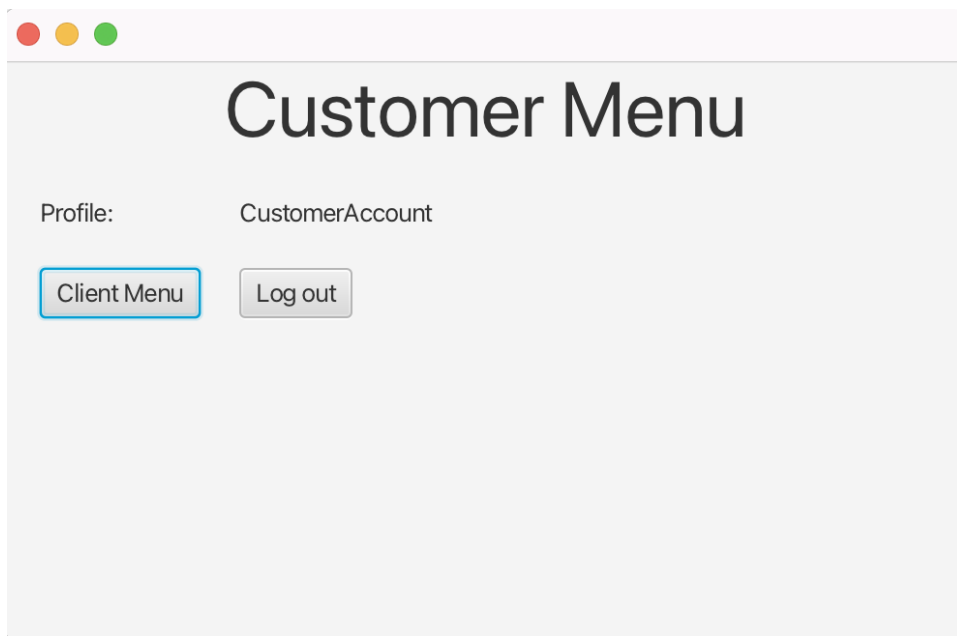
CONNECTION ESTABLISHED

RECEIVE: Hi

SEND: how are you doing

Your Message:

**Show Profile:**



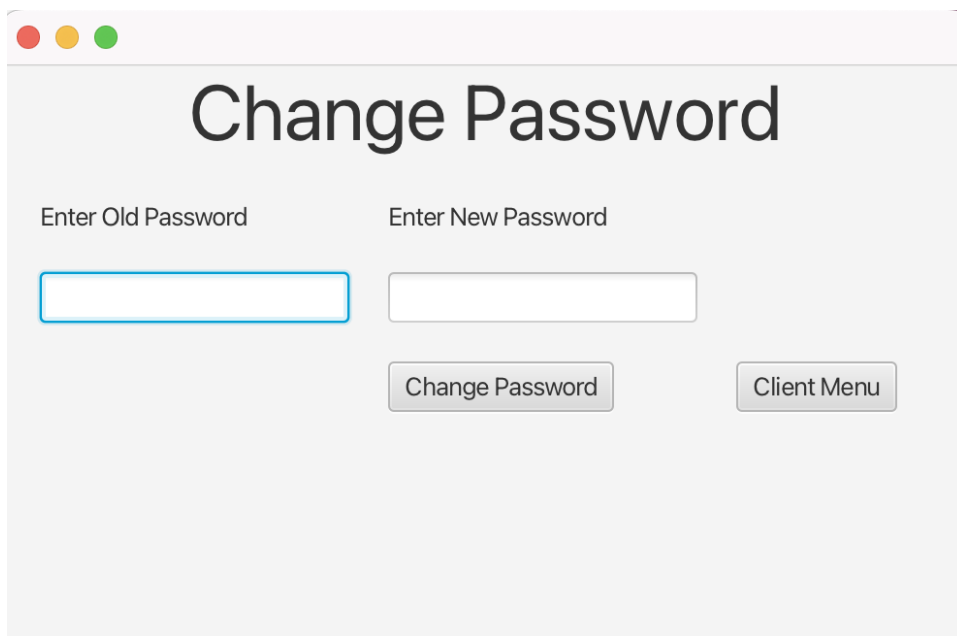
A window titled "Customer Menu" with a light gray background and a white title bar containing three colored window control buttons (red, yellow, green). The main content area has the title "Customer Menu" in a large, bold, black font. Below the title, the text "Profile: CustomerAccount" is displayed. At the bottom, there are two buttons: "Client Menu" with a blue border and "Log out" with a gray border.

Customer Menu

Profile: CustomerAccount

Client Menu Log out

**Change Password:**



A window titled "Change Password" with a light gray background and a white title bar containing three colored window control buttons (red, yellow, green). The main content area has the title "Change Password" in a large, bold, black font. Below the title, there are two labels: "Enter Old Password" and "Enter New Password". Under "Enter Old Password" is a text input field with a blue border. Under "Enter New Password" is a text input field with a gray border. At the bottom, there are two buttons: "Change Password" and "Client Menu", both with gray borders.

Change Password

Enter Old Password Enter New Password

Change Password Client Menu

**Place Orders:**

# Ordering

Stock #	Description
45	Thingamajig
46	Thingamajig2

Stock #

Quantity

Submit

Cancel

**JUnit Test getOrders:**

Finished after 0.731 seconds

Runs: 1/1 Errors: 0 Failures: 0

> Test\_getOrder [Runner: JUnit 5] (0.554 s)

Failure Trace

### **JUnit Test sendInventory:**

Finished after 0.225 seconds

Runs: 1/1 Errors: 0 Failures: 0

> Test\_sendInventory [Runner: JUnit 5] (0.051 s)

Failure Trace