

## 1. Manager

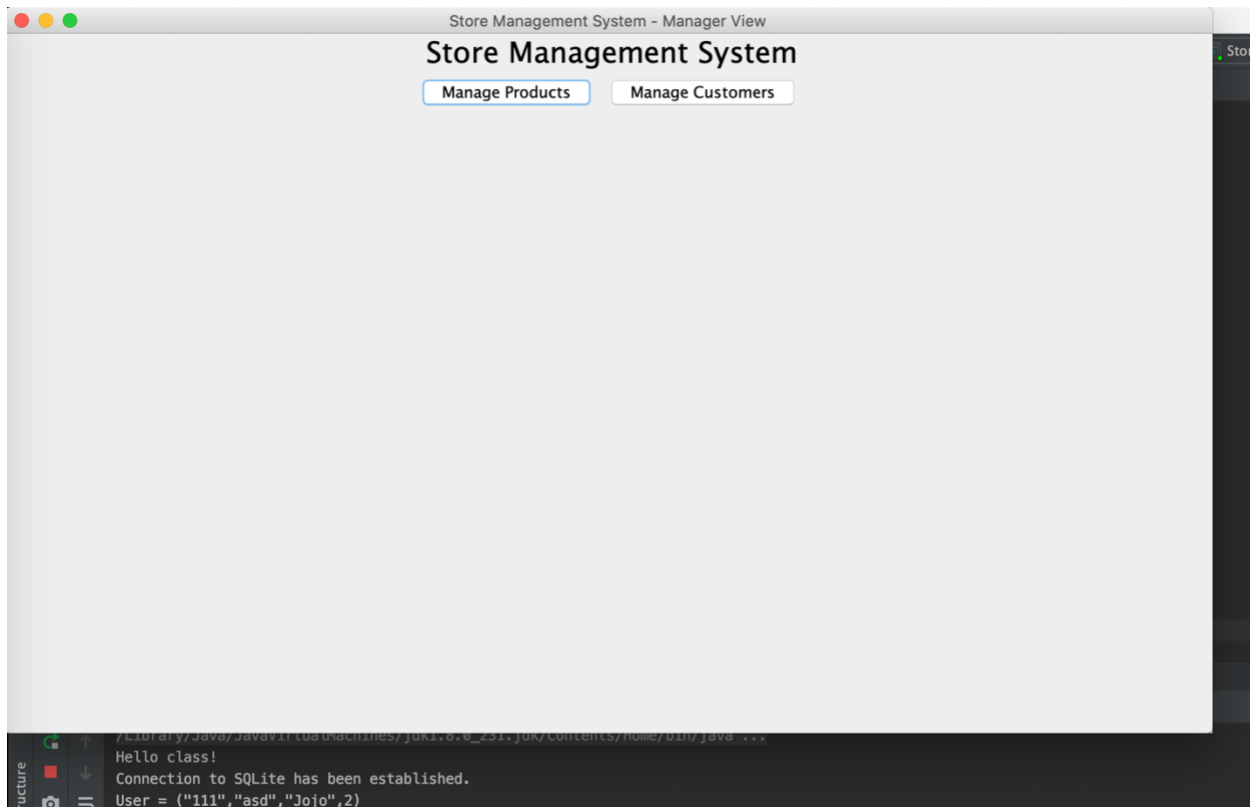
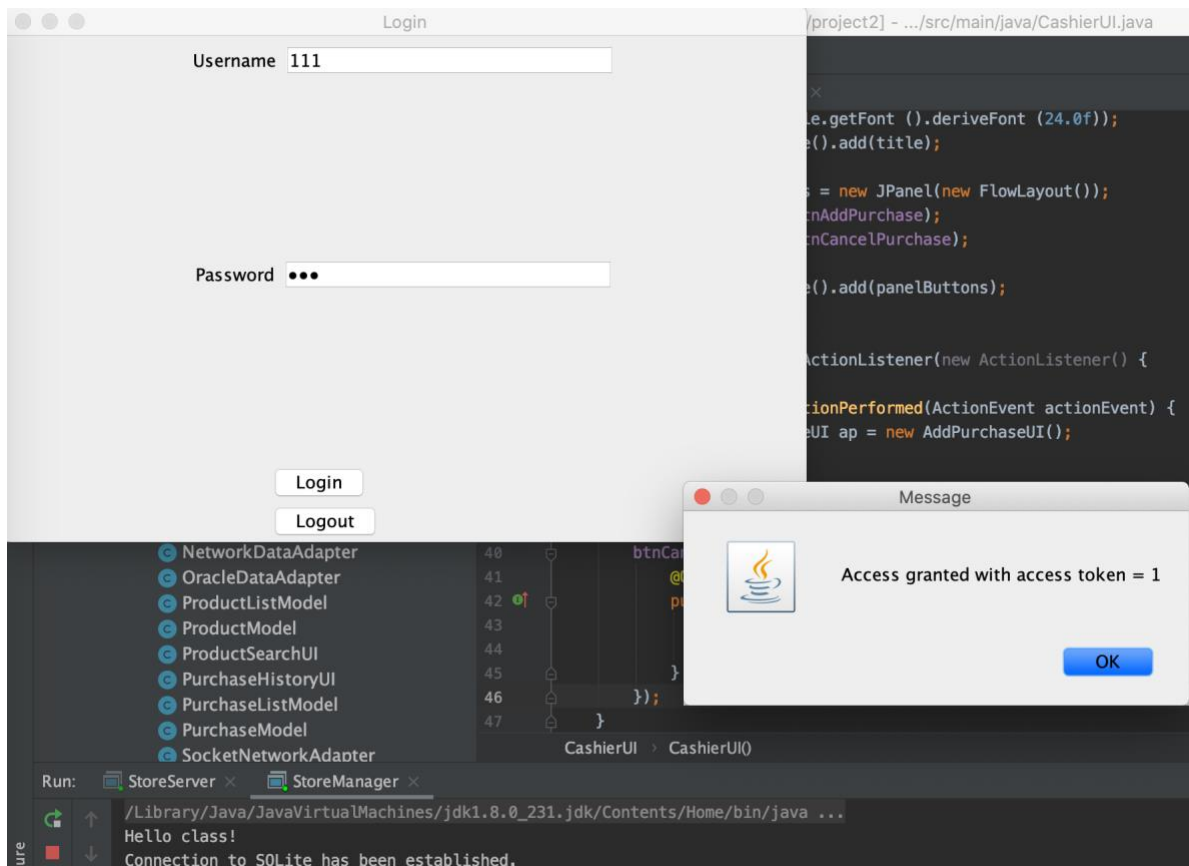
The screenshot displays a Java IDE environment. At the top, a window titled "Login" is shown with a light gray background. It contains two text input fields: "Username" and "Password". Below these fields are two buttons: "Login" and "Logout".

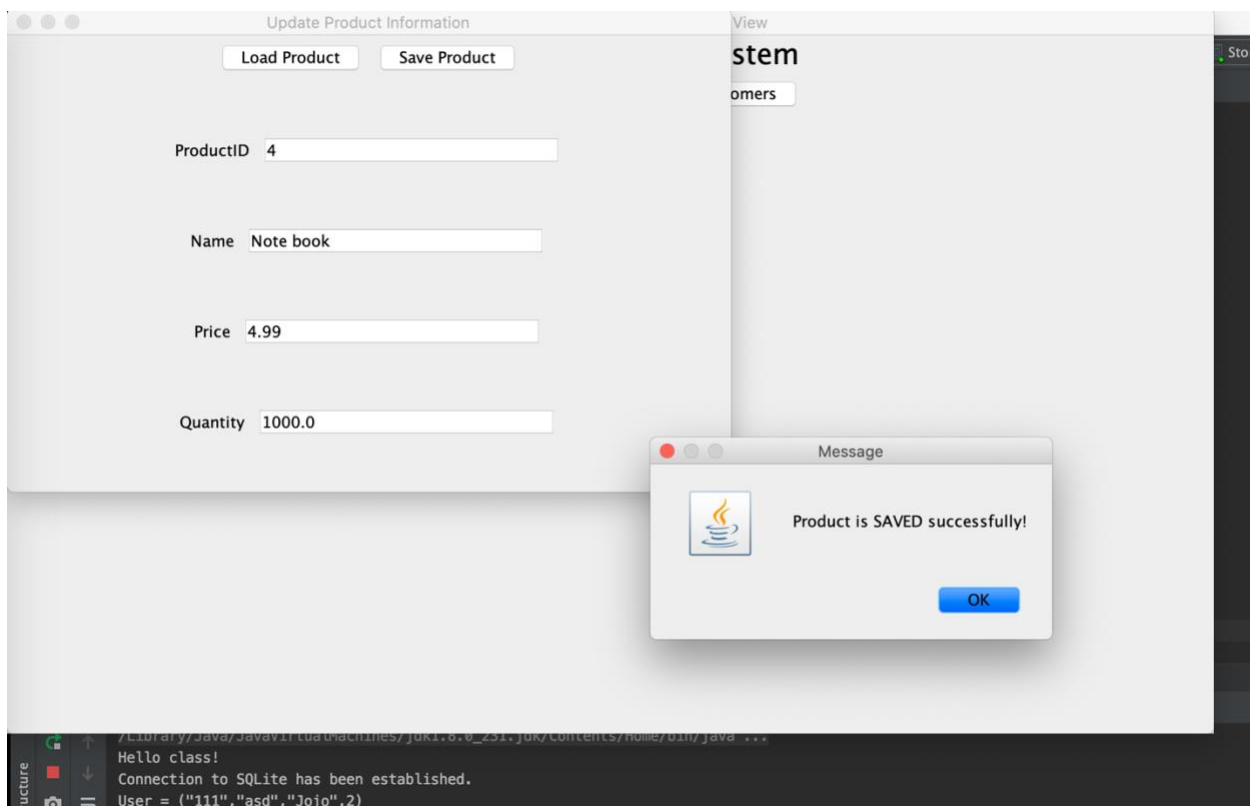
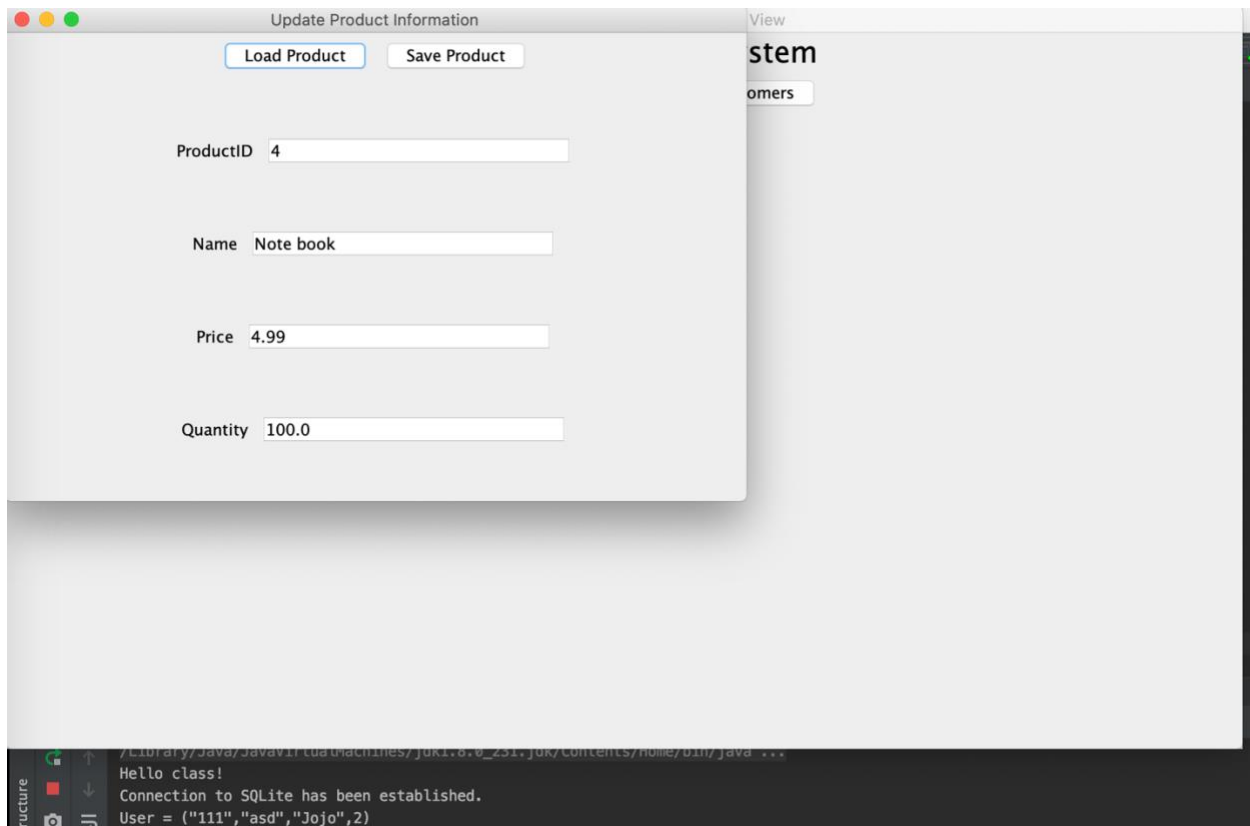
The IDE interface below the window shows the following components:

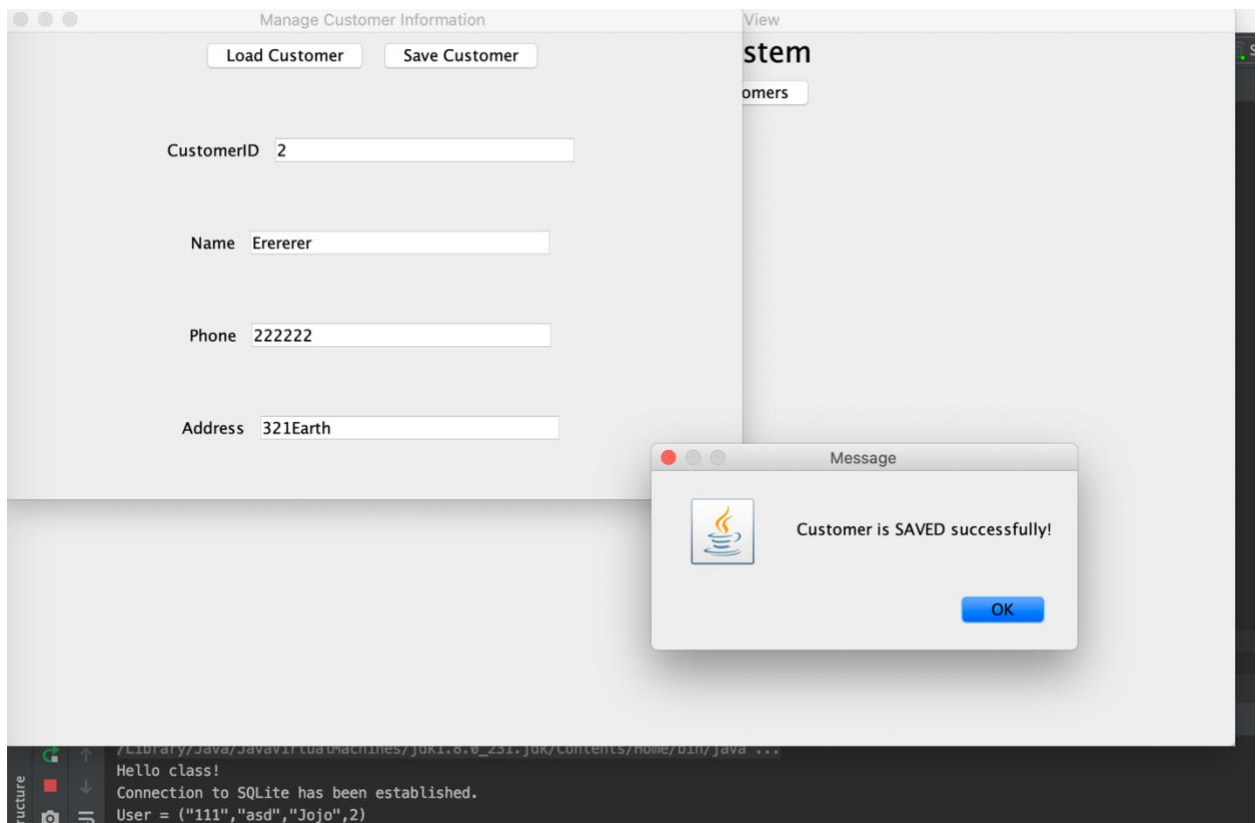
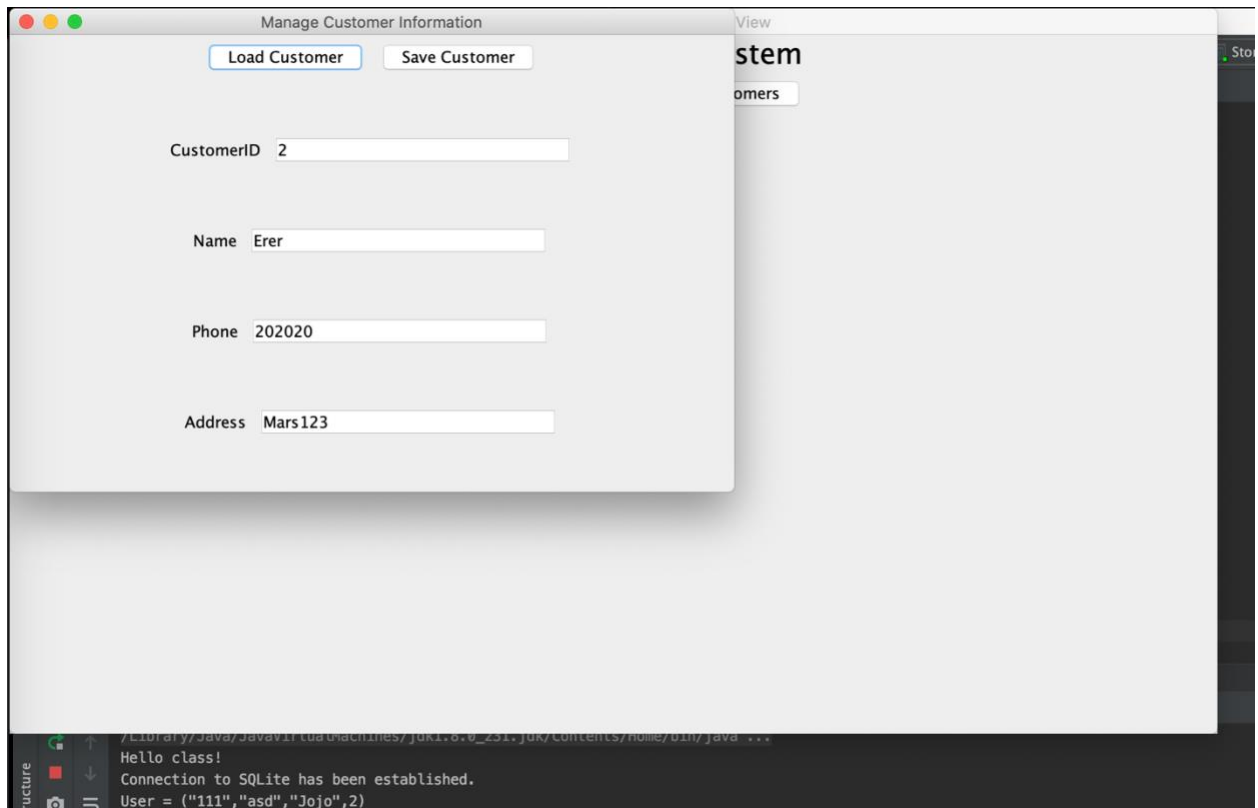
- Project Explorer (Left):** Lists the following classes and adapters:
  - NetworkDataAdapter
  - OracleDataAdapter
  - ProductListModel
  - ProductModel
  - ProductSearchUI
  - PurchaseHistoryUI
  - PurchaseListModel
  - PurchaseModel
  - SocketNetworkAdapter
- Code Editor (Center):** Displays the source code for the `CashierUI` class. The visible code includes:

```
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47  
btnCancelPurchase.add  
@Override  
public void actio  
CancelPurchas  
ui.view.setVi  
}  
});  
}
```
- Run/Debug Console (Bottom):** Shows the output of the application:

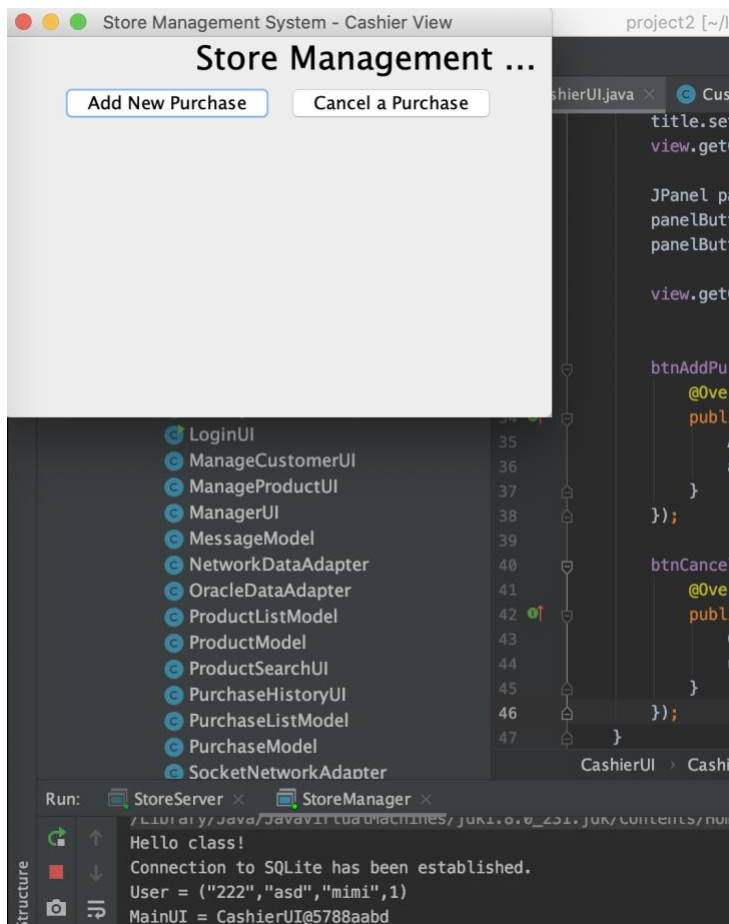
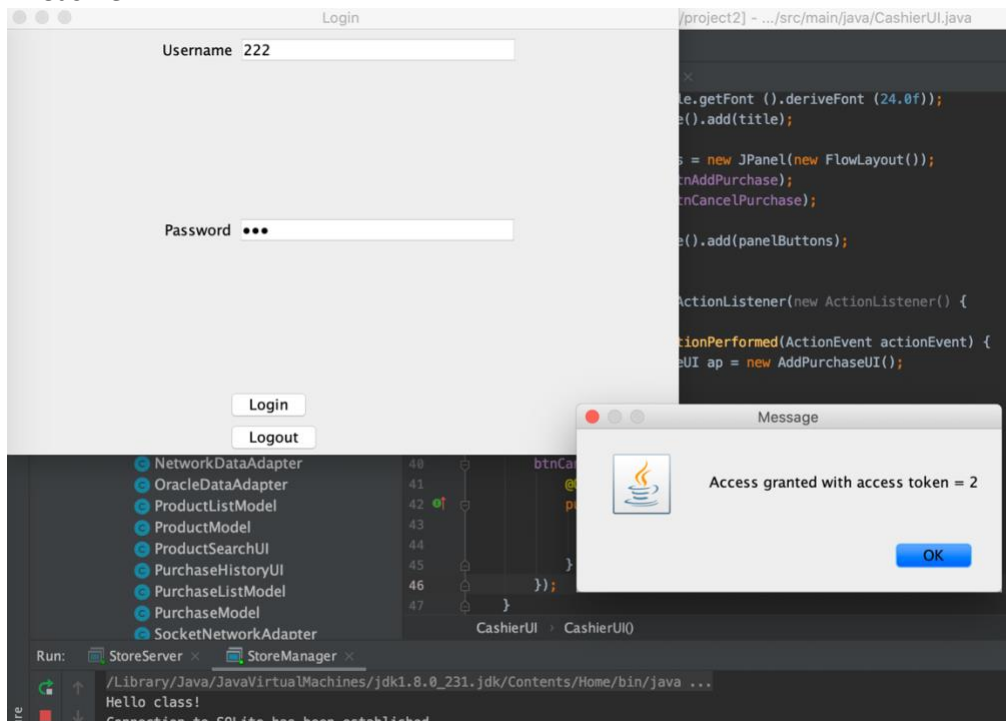
```
Run: StoreServer x StoreManager x  
/Library/Java/JavaVirtualMachines/jdk1.8.0_231.jdk/Contents/Home/bin/java .  
Hello class!  
Connection to SQLite has been established.
```







## 2. Cashier



Project2 - .../src/main/java/CashierUI.java

StoreManager

PurchaseID 20 Date of purchase: Wed Nov 20 22:18:09 CST 2019

CustomerID 3 Product Name: Wiwi

ProductID 2 Product Name: Apple

Quantity 50 Product Price: 2.99

Cost: \$149.50 Tax: \$13.46 Total: \$162.96

Add Cancel

Message

Purchase added successfully!(20,3,2,2.99,50.0,149.5,13.455,162.955,"Wed Nov 20 22:18:09 CST 2019")

OK

Run: StoreServer x StoreManager x

NetworkDataAdapter  
OracleDataAdapter  
ProductListModel  
ProductModel  
ProductSearchUI  
PurchaseHistoryUI  
PurchaseListModel  
PurchaseModel  
SocketNetworkAdapter

Hello class!  
Connection to SQLite has been established.  
User = ("222","asd","mimi",1)  
MainUI = CashierUI@5788aabd  
CustomerID = 3  
ProductID = 3  
ProductID = 2  
Quantity = 5  
Quantity = 50  
INSERT INTO Purchases VALUES (20,3,2,2.99,50.0,149.5,13.455,162.955,"Wed Nov 20 22:18:09 CST 2019")

Project2 - .../src/main/java/CashierUI.java

Cancel a Purchase

Cancel Purchase

CustomerID 2

PurchaseID 1

Message

Your Purchase has been canceled successfully!

OK

Run: StoreServer x StoreManager x

NetworkDataAdapter  
OracleDataAdapter  
ProductListModel  
ProductModel  
ProductSearchUI  
PurchaseHistoryUI  
PurchaseListModel  
PurchaseModel  
SocketNetworkAdapter

### 3. Customer

