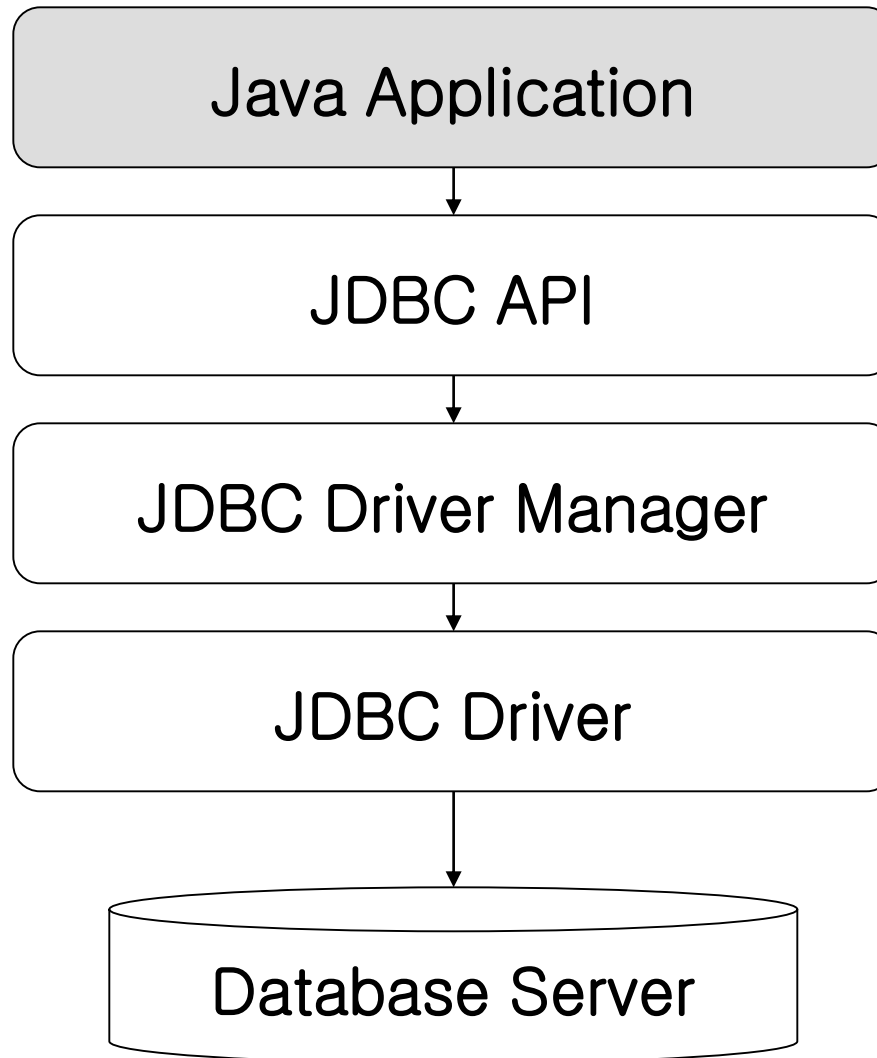


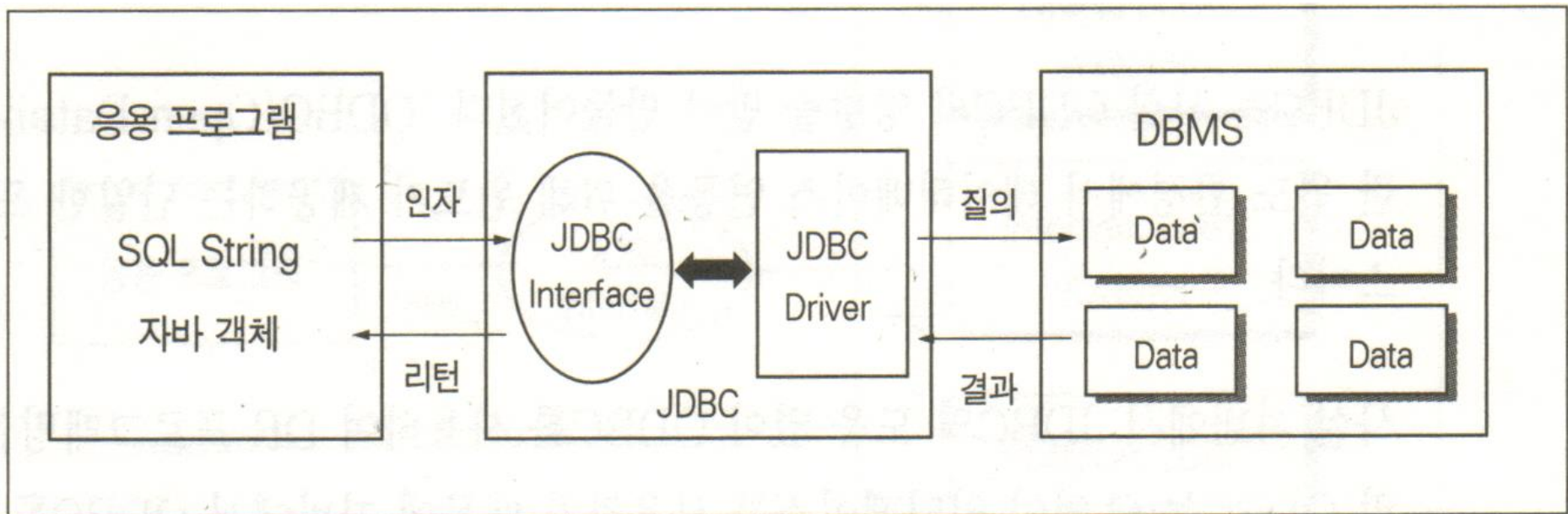
Stock Broker Programming

2tier vs 3tier

Database Programming(using JDBC)



Database Programming(using JDBC)



JDBC Programming Pattern

1. JDBC Driver Loading (throws ClassNotFoundException)

```
String driver = "jdbc_driver_name";  
Class.forName(driver);
```

```
new jdbc_driver_name();
```

```
DriverManager.registerDriver(new jdbc_driver_name());
```

```
prompt>java -Djdbc.drivers=jdbc_driver_name class_name
```

<jdbc_driver_name>

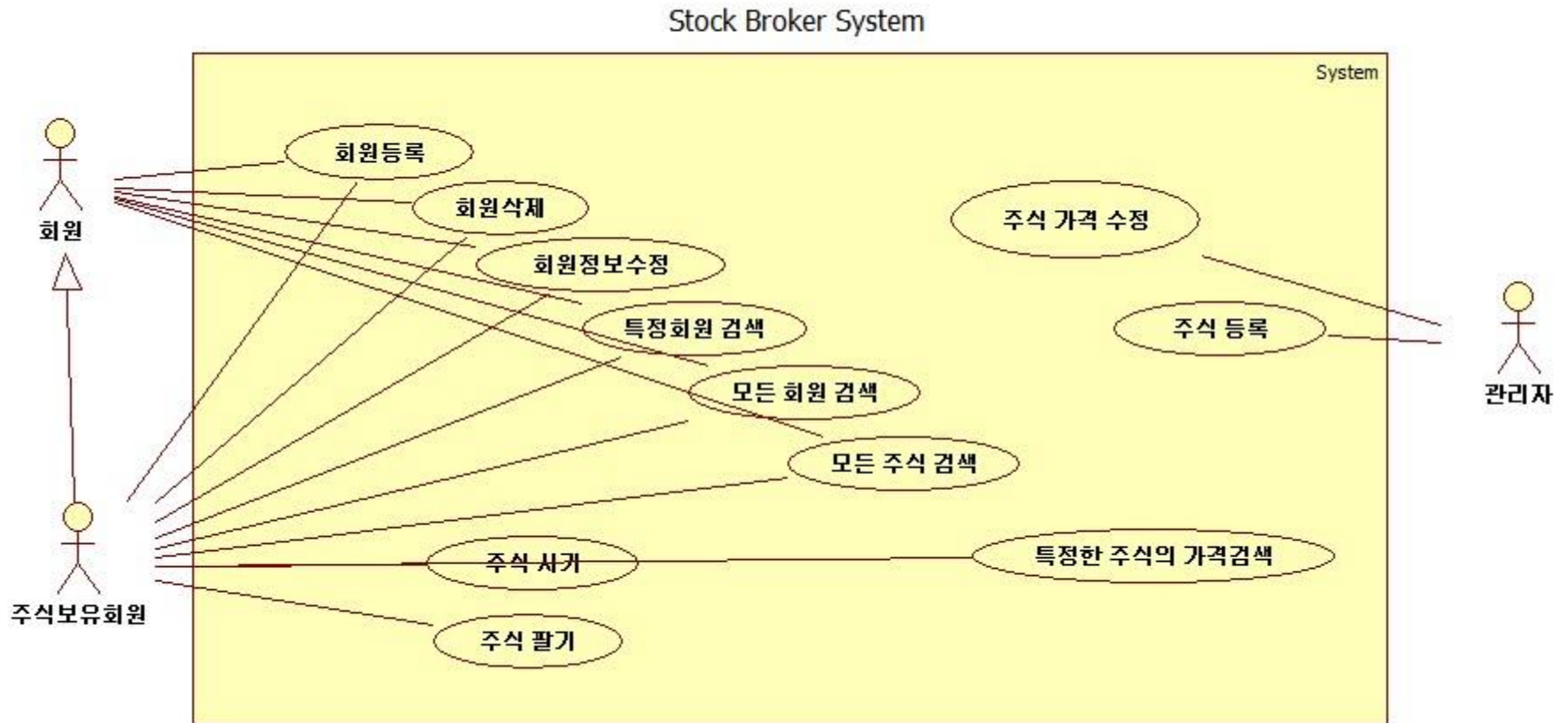
MySQL : *org.gjt.mm.mysql.Driver*

Oracle-thin : *oracle.jdbc.driver.OracleDriver*

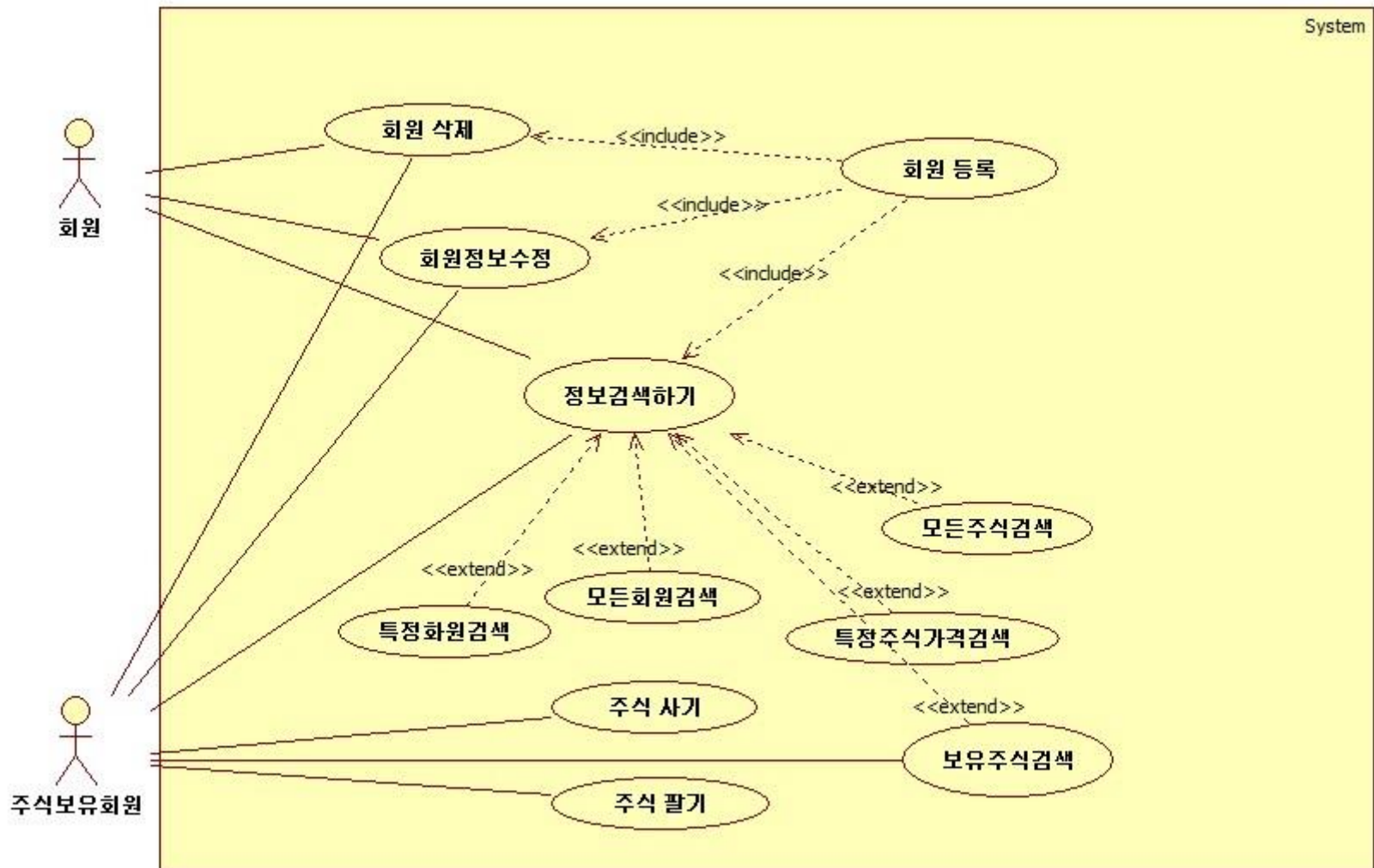
Oracle-oci : *oracle.jdbc.driver.OracleDriver*

JDBC-ODBC : *sun.jdbc.odbc.JdbcOdbcDriver*

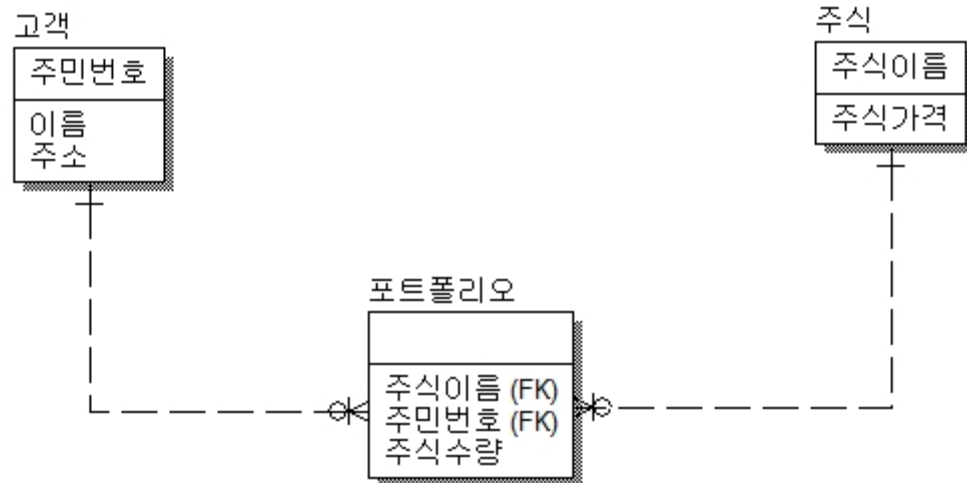
UseCase Diagram

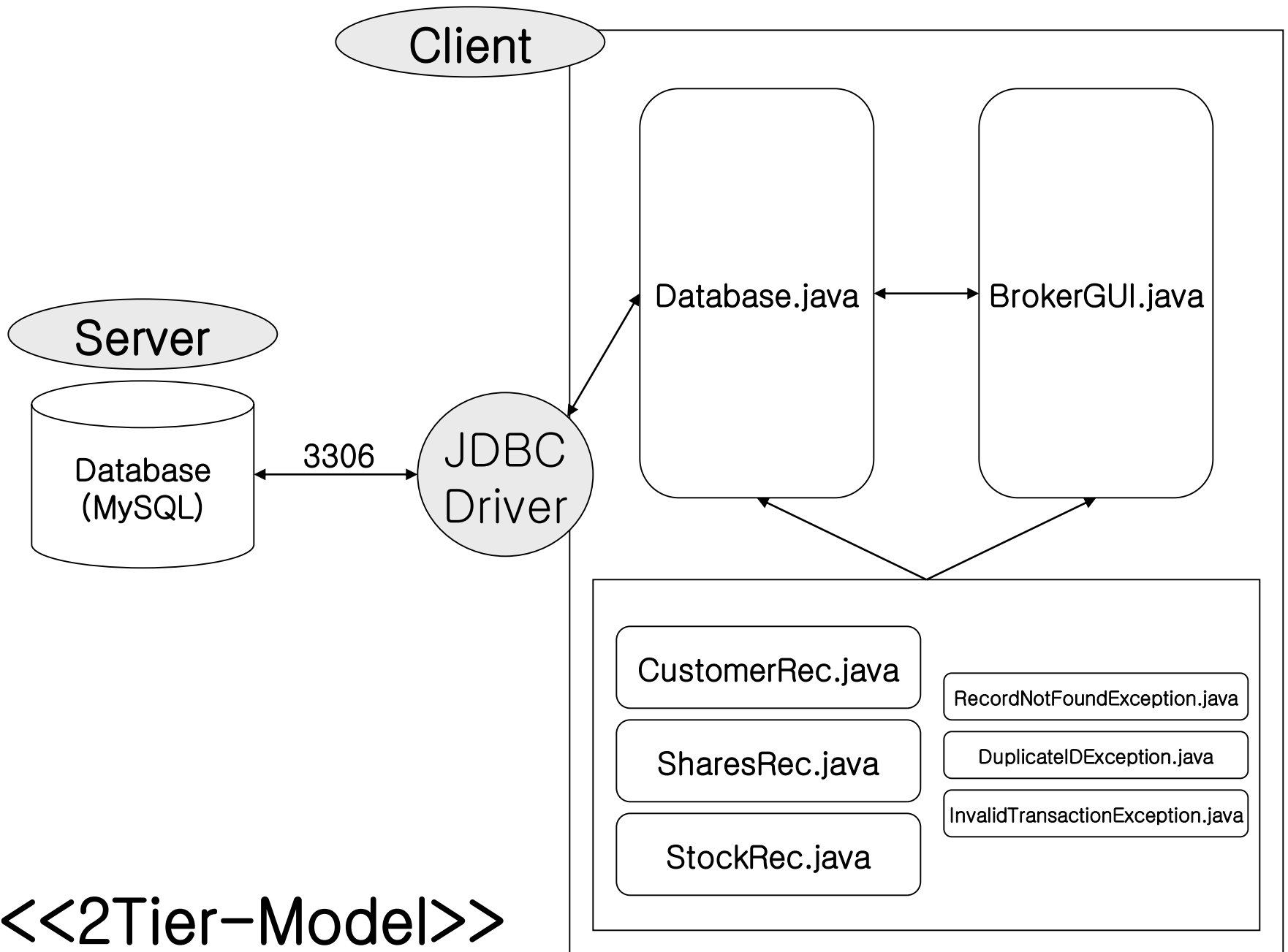


UseCase Diagram



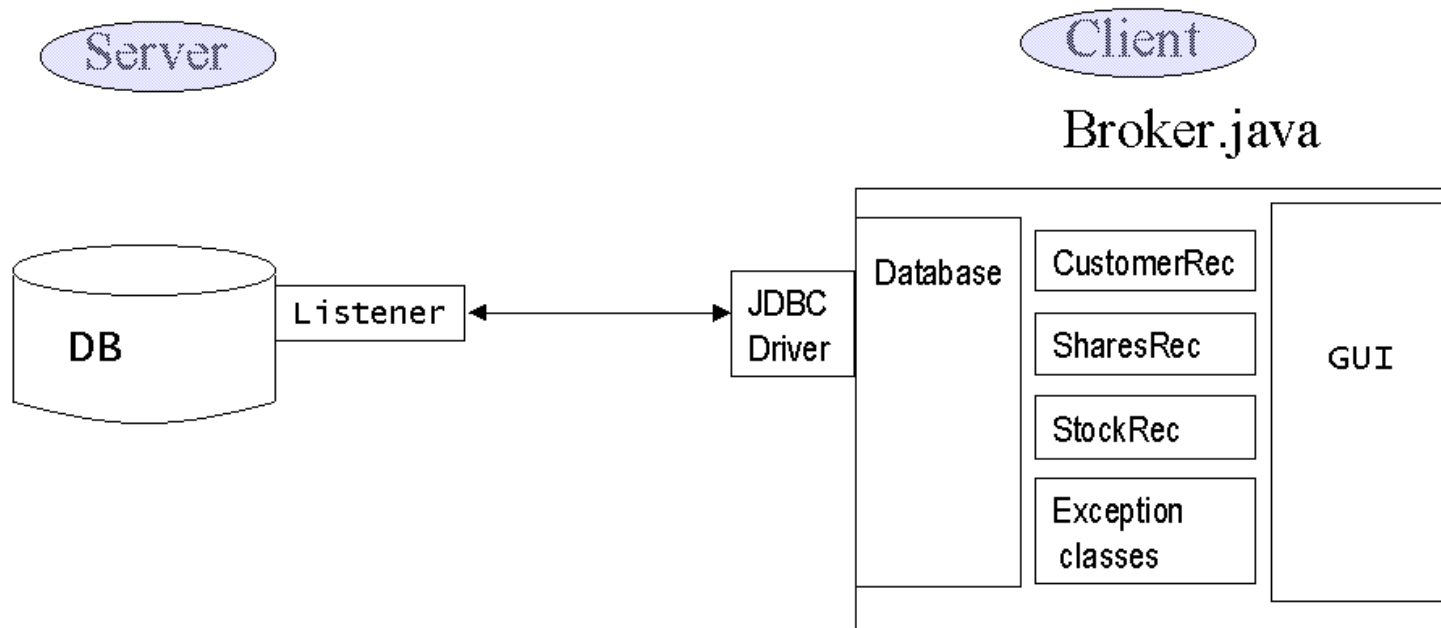
Entity Relation





<<2Tier-Model>>

2-tier Model



<<Database Table 구조>>

Customer	
ssn	char(15) primary key
cust_name	char(40)
address	char(100)

Shares	
ssn	char(15)
symbol	char(8)
quantity	int(4)

Stock	
symbol	char(8) primary key
price	float

ABC Stock

SUNW 68.75CyAs 22.68DUKE 6.25ABStk 18.5JSVco 9.13T

Customer Information

Stock Information

ADDDELETEUPDATEapplycancel

Name하바리

SSN777-777

Address서현동

Stock Portfolio

DUKE 2300
JDK 6666

All Customers

111-111 Yufirst1 S
111-112 Yufirst2 S
111-113 Yufirst3 S
111-114 Yufirst4 S
111-115 yufirst5 Je
111-116 Yufirst6 S
111-117 Yufirst7 S
111-118 Yufirst8 S
111-119 Yufirst9 S
777-777 하바리 서현동

Available Stocks

SUNW 68.75
CyAs 22.68
DUKE 6.25
ABStk 18.5
JSVco 9.13
TMAAs 82.38
BWInc 11.38
GMEnt 44.63
PMLtd 203.38
JDK 33.5

Get Current Stock Price

Stock

Current Price

Buy

Sell