

Demo Data

The following data is for the demo of your online stock trading. You should also use this data to test the SQL DML statements you write for [Project Assignment No. 2](#). Please input the data into your relational database system according to the schema design you produced for [Project Assignment No. 1](#). As for the actual demo, please ensure that by the time of your scheduled demo, you have initialized your database with the data provided below, and that everything is ready to go, including the machine you will use and your SQL/HTML/Javascript/JSP code.

Important!

Please note that, for the demo, you should provide the interface that will allow the user of your system to execute an order to buy or sell stock. As specified in the [Requirements Specification Document](#), this will involve the implementation of manager-level transaction to set the share price of a stock in order to simulate market fluctuations in a stock's share price. This transaction should also set the date/time anytime a share price is updated, so that the date/time an order is executed can be recorded.

Your user interface should also allow one to determine the broker (customer representative) for any particular stock order.

Clients

ClientId	LastName	FirstName	Address	City	State	ZipCode	Telephone	Email	CreditCard	Rating
111-11-1111	Yang	Shang	123 Success Street	Stony Brook	NY	11790	516-632-8959	syang@cs.sunysb.edu	1234-5678-1234-5678	1
222-22-2222	Du	Victor	456 Fortune Road	Stony Brook	NY	11790	516-632-4360	vicdu@cs.sunysb.edu	5678-1234-5678-1234	1
333-33-3333	Smith	John	789 Peace Blvd.	Los Angeles	CA	93536	315-443-4321	jsmith@ic.sunysb.edu	2345-6789-2345-6789	1
444-44-4444	Philip	Lewis	135 Knowledge Lane	Stony Brook	NY	11794	516-666-8888	pml@cs.sunysb.edu	6789-2345-6789-2345	1

Accounts

ClientId	Account#	AcctCreatDate	Stock	NumShares
444-44-4444	1	10-1-06	GM	250
444-44-4444	1	10-1-06	Ford	100
222-22-2222	1	10-15-06	IBM	50

Employees

SSN	LastName	FirstName	Address	City	State	Zipcode	Telephone	StartDate	HourlyRate
123-45-6789	Smith	David	123 College road	Stony Brook	NY	11790	516-215-2345	11-1-05	\$60
789-12-3456	Warren	David	456 Sunken Street	Stony Brook	NY	11794	631-632-9987	2-2-06	\$50

*David Warren is the Manager of the company.

Stocks

Symbol	Name	Type	SharePrice	NumShares
GM	General Motors	automotive	34.23	1,000
IBM	IBM	computer	91.41	500
F	Ford	automotive	9.0	750

Orders

OrderId	Stock	OrderType	NumShares	ClientAcct	PriceType
1	GM	buy	75	444-44-4444 1	market
2	IBM	sell	10	222-22-2222 1	trailing stop 10%
2	IBM	sell	10	222-22-2222 1	\$90

The last row of the above table indicates that order no. 2 was executed at a share price of \$90 after the share price of IBM climbed to \$100 and, for the first time since the order was placed, dropped down 10% below this maximum value. Again, you should provide the underlying transaction and underlying interface to allow the manager of your system to carry out such a trailing-stop stock transaction.