

How Securities Are Traded

What is this project about?

• You will learn how securities are traded on exchanges, particularly how to conduct margin trades, short sales, and submit limit orders.

What case do I use?

• You can use any stock trading case, such as the FTS 30 Stock Case, the FTS 1000 Stock Case, or the international stock cases. The case will be selected by your instructor.

What are the pre-requisites?

• A basic understanding of financial instruments such as stocks and stock exchanges.

How much time does it take?

- It takes two weeks, in two steps.
 - Step 1: Market orders (margin trades, short sales): 1 week
 - Step 2: Limit and stop orders: 1 week

What software and data are required?

- You will use the FTS Real Time Client (RTFTS)
 - Windows: You can launch the FTS Real Time Client from the FTS System Manager
 - Other: use the browser based version at <u>http://www.rtfts.com</u>
 - o You will need a trading name and password, assigned by your instructor
- You may also need Excel for formulating and evaluating the results

How long is the report?

- 1 page executive summary
- 3 pages max describing the results
- Other material in an appendix

Question: How are stocks traded in the secondary markets?

Stocks are first issued in a "Primary Market," for example through an IPO (initial public offering). Once issued, they are traded in "Secondary Markets." These include organized exchanges such as the New York Stock Exchange (NYSE) and over-the-counter (OTC) markets. In any of these markets, buyers and sellers negotiate a price through a process called *price discovery* and then trade at the negotiated price. For example, on the NASD, price discovery is initiated by dealers who post bids and offers. On the NYSE, price discovery is initiated by investors, but orders above a certain size are matched by a specialist who can also trade on their personal account. Other markets, referred to as third and fourth markets, trade exchange listed securities and are pure order driven markets, where price discovery is initiated by investors and all matching of buyers and sellers is via an electronic network.

Common to these markets are various order types. The two most popular are **market orders**, and **limit** orders. Market orders are "buy" or "sell" orders for a specified quantity at the best currently available prices (the highest current bid and the lowest current ask). In a **limit order** traders specify both the price and quantity they want to trade. A buy order is executed if the ask drops to the price, and a sell order is executed if the bid rises to the price. A variation known as a **stop order** lets traders lock in their profits or limit losses on existing positions.

Two other important institutional details are known as **short sales** and **buying on margin**. Short sales allow traders to sell securities they do not currently own. To sell short, a trader is required to borrow the securities from a broker and then sell the borrowed security; when they cover their short position, the shares have to be returned. When buying on margin a trader borrows money from a broker to buy the stock. Interest is charged on the loan, and has to be repaid when the stock is sold. If the value of the stock falls sufficiently, the broker can make a margin call, which requires the trader to either deposit more money into the account or to sell the stock.

The FTS Real Time Client allows you to implement these orders using real world institutional details. Limit and stop orders are monitored by the system in real time and all positions are marked-to-market daily; the marking to market can trigger off automatic cash transfers to cover margin calls. All the accounting is performed automatically for you and the details of this accounting are available at any time via the "Reports" menu item.

In this project you will learn how stocks are traded in the secondary markets and the details of these order types using the FTS 30 stocks. To keep things interesting you will first form a simple price view for three stocks in the FTS 30 index. A view is simply whether you expect a particular stock to increase or decline in price. You can form your view in any way, e.g. thinking about short term economic trends, looking at some price charts, or even just flipping a coin if nothing else leads to a prediction. In practice, traders use many methods to develop their views, including technical analysis, news, and fundamental analysis. In this project, it does not matter whether your view is correct.

Once you have formed your view on the three stocks, complete the following five steps; a detailed guide of where you implement each step is below. You should read the "Getting Started" chapter for a quick overview of how to log in and trade.

- 1. On day 1 implement the following trades for the three stocks: a Cash Purchase of stock 1, a Margin Purchase of stock 2 and a Short Sale of stock 3, each for 100 shares.
- 2. After 5 days (or longer), close out the transactions implemented on day 1. That is, reverse your trades by conducting a Cash Sale, Margin Sale and Short Cover respectively so you are now left with no stocks either short or long.
- 3. Your cash account has now either increased or decreased over this time period. In this step, reconcile how the transactions above changed your total cash. Pay particular attention to interest paid on margin and short sale accounts and any margin calls, and also to transactions costs charged on each trade.
- 4. Next, implement a limit order/stop order strategy. Given your price view of three stocks, implement the following three trades: Limit Cash Purchase of stock 1, Limit Margin Purchase of stock 2 and a Limit Short Sale of stock 3. After you observe your limit orders have been executed then you should also put on the following "Stop Loss" trades Stop Cash Sale, Stop Margin Sale and Stop Short Cover. If you want to you can enter all these at the same time.
 - Note: For part 4 you should track recent price changes for the three stocks so that your limit orders are placed at prices that have a reasonable chance of being executed. Your goal for a limit order is to purchase or sell at a better price than is currently available. Your goal for a stop (loss) order is to sell or cover a previous sale at a price that is worse than the current price hence the term "stop loss." Of course the "stop loss" may imply stopping the loss of a profit if prices have moved in your favor!
- After you have successfully completed step 4, you have again cashed out of the three trades. Again your cash has either increased or decreased relative to what it was at the beginning of step 4. Reconcile how your transactions in step 4 changed your total cash.

After completing the above 5 steps, you will have gained important experience and understanding of order types and how they are implemented and executed.

Details: Submitting Market Orders and Limit Orders

Market orders are submitted in the "Trade Securities" Tab on the bottom left of the screen. The easiest way to trade is to double click on a security name in the Ticker window. For example, in the FTS 30 Stock Case:

S FTS Real Time Trader: Client. Version	FTS Real Time Trader: Client: Version 4.0.0.4													
User Tip Options Quotes I	Limit and St	top Ord	ders <u>P</u> arar	neters	<u>Reports</u> <u>T</u> utors <u>H</u> elp									
😂 - 🔞 Server Time: 10/12/2010 4:46:0	4 PM Conr		to Server G	obal Valu	ie: 1,010,619.69				User T	Tip < 🌳			-	🙆 🎧 -
					Main Preuses Sumert Preuse	Trader B	owser Event Link	Charte L	ETC Mad	t des				
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			S Ticker	Vindow.	Click on a Ticker to trade				<u>×</u>					=âl
	na		User 1	ip Fil	e Edit Options							_	\mathbf{C}	
		•	Note: Indica	tive Quote	es Only. All settlement is at real-tim	e prices at					adır	סר		
The comprehe	nsive so	olut	the server.					_				6'	\sim y	
The comprehe	1151100 54	onarc	Ticker	Name		Currency	Description		^	reporting	realistic tr	a ding a	- Imulati	
Overview		540	AA		ALCOA	US Dollar	Stock	_		rporating	realistic tr	ading s	mulat	on
Overview		AQ	AXP		AMERICAN EXPRESS	US Dollar	Stock	_						
Edit 👻 US Dollar 👻	•		BA		BOEING	US Dollar	Stock			Teach	ing		Researc	h
			BAC		BANK OF AMERICA	US Dollar	Stock	_						
Currency	Amount	Волго	CAT		CATERPILLAR	US Dollar	Stock			mnon	onte u	Inlin	hitor	
US Dollar	906,360.69	Э	CSCO		CISCO SYSTEMS	US Dollar	Stock	_		mpon	ents, t		ntet	
Staaka	Position	Last	CVX		CHEVRON	US Dollar	Stock	_						
ALCOA	100		DD	E.	DU PONT DE NEMOURS	US Dollar	Stock	_	Ξ		The second	2	dia 185	TEE
AMERICAN EXPRESS	200	5	DIS		WALT DISNEY	US Dollar	Stock	_			'F I	S	1	
BANK OF AMERICA	200	0	GE	(SENERAL ELECTRIC CO	US Dollar	Stock	_						
CATERPILLAR	100		HD		HOME DEPOT INC	US Dollar	Stock				IN	FFR AC	MUVE	
			HPQ	ŀ	IEWLETT-PACKARD CO	US Dollar	Stock				T			
		-	IBM	INTERN	ATIONAL BUSINESS MACHINE	US Dollar	Stock							
Login to Server Trade Securities Asset	Allocation	_	INTC		INTEL	US Dollar	Stock							
			JNJ		JOHNSON & JOHNSON	US Dollar	Stock							
			JPM	J.I	P. MORGAN CHASE & CO.	US Dollar	Stock							•
			KFT		KRAFT FOODS	US Dollar	Stock			- Parame	ters			UserTin
			КО		COCA-COLA	US Dollar	Stock				M L offe	0		
			MCD	_	MCDONALDS CORP	US Dollar	Stock	-	-	Exp Return 0.0807	0 1987	0.2152	0.0442 0	nsen 0000
					Weight* (SS)				2.0737	0.1296	0.3888	0.2357	0.0442 0	.0000
					Weight* (no SS)				2.0737	0.1296	0.3888	0.2357	0.0442 0	.0000
					Eq Weighted				1.0183	0.0829	0.1935	0.2325	0.0442 0	.0000
					Position (Baw)				0.9677	0.0821	0.18/5	0.2357	0.0442 0	0000
	\mathbf{X}				Name		Benchmark	Value	Beta	Risk Free Rate	Equity Premium	Exp Return	Volatility W	/eight
					ALCOA		S&P 500 INDEX	1,320.00	2.1100	0.0379	0.0442	0.1312	0.3608 0	.0127
					AMERICAN EXPRESS		S&P 500 INDEX	7,708.00	2.1700	0.0379	0.0442	0.1338	0.3469 0	.0739
					BANK OF AMERICA		S&P 500 INDEX	2 704 00	2 4500	0.03/9	0.0442	0.06/1	0.1436 0	0259
					DOLINC			0.00	1 0100	0.0373	0.0442	0.0050	0.0070 0	
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In this case, if you double click on BAC, you will see quotes from public web sites on the right top. ASt the bottom left, you will see:

Login to Server Trade Securities Asset Allocation	1									
User Tip Edit - Limit Orders Quote Window										
Enter part of a ticker name and click Search, or		BANK OF AMERICA	US Dollar	US Dollar						
Ticker Definition	Position Value	0.00	Cash Position	1,000,000.00						
	Cash Purchases	0	Cash Borrowed	0.00						
BAC	Market Value	0.00	Credit Remaining	100,000.00						
Search Names	Margin Purchases	0	Borrowing Rate	0.6250%						
PAC	Market Value	0.00	Lending Rate	0.1250%						
BAC •	Loan	0.00	Buy VWAP	0.0000						
	Deposit	0.00	Sell VWAP	0.0000						
BANK OF AMERICA in US Dollar	Equity	0.00	Buy Volume	0.00						
DANK OF AMERICAN PROPERTY	Percentage	0.00	Sell Volume	0.00						
	Short Sales	0								
Cash Purchase	Market Value	0.00								
Quantity to Buy	Deposit	0.00								
Subard Order	Cash Held	0.00								
Submit Order	Equity	0.00								
	Percentage	0.00								
	Div's Receivable	0.00								
	Buy VWAP	0.00			-					

You select order type from the drop-down in the middle, enter the quantity to trade, and then click "Submit Order." If you click the drop down, you will see the market orders available to you:

Login to Server Trade Securities Asset Allocat	ion
User Tip Edit - Limit Orders Quote W	indo
Enter part of a ticker name and click Search, or double click on the ticker in the Quote or the Ticker Definition	
BAC	
Search Names Search	
BAC	
BANK OF AMERICA in US Dollar	
Cash Purchase	
Cash Purchase Cash Sale	N
Margin Purchase Margin Sale Short Sell	
Margin Purchase Margin Sale Short Sell Short Cover	/

To close out a position, you simply do the opposite of the initial trade: reverse a cash purchase with a cash sale, a margin purchase with a margin sale, and a short sale with a short cover.

A note on netting: Unless requested by the instructor, we net short and long positions. So if you bought 10 shares of a stock and then short sold 5, you would be left with 5 shares of the stock, the short sale would netted against your long position.

Once you submit an order and the order is executed, you will see the results on the same screen. For example, here are three trades: cash purchase of a stock, margin purchase of a stock, and short sale of a third stock:

Cash Purchase: Select `Cash Purchase' and click 'Submit Order'

We start with \$1m in cash and

Login to Server Trade Securities Asset Allocation				
User Tip Edit - Limit Orders Quote Wind	low			
Enter part of a ticker name and click Search, or double click on the ticker in the Quote or the	Position Value	ALCOA	US Dollar Cash Position	US Dollar
Ticker Definition	Cash Purchases	1,003.00	Cash Borrowed	0.00
AA	Market Value	1,083.00	Credit Remaining	100,000.00
Search Names	Margin Purchases	0	Borrowing Rate	0.6250%
	Market Value	0.00	Lending Rate	0.1250%
···· •	Loan	0.00	Buy VWAP	0.0000
	Deposit	0.00	Sell VWAP	0.0000
ALCOA in US Dollar	Equity	0.00	Buy Volume	0.00
	Percentage	0.00	Sell Volume	0.00
Cash Purchase	Short Sales	0		
Ougethete Dec	Market Value	0.00		
Quantity to Buy 100	Deposit	0.00		
Submit Order	Cash Held	0.00		
	Equity	0.00		
	Percentage	0.00		
	Div's Receivable	0.00		
	Buy VWAP	10.83		
	Sell VWAP	0.00		
	Buy Volume	100.00		
	Sell Volume	0.00		
	Contract Size	1		

You can see the cash purchase amount, the position value, and also the `Buy VWAP'; this is the volumeweighted average price of purchases. Your cash position has dropped from \$1m to \$998,907.06, which is the cost of buying the shares plus \$9.95 in transactions costs.

Margin Purchase: Select `Margin Purchase' and click `Submit Order'

We start over with \$1m in cash and buy 100 shares of Chevron on margin:

Currency Amount Borrowed C	redit Left Bu			Buy Volume	Sell Volume		
	100 000 00	0.0000	0 0000				
	100,000.00	0.0000	0.0000	0.0	0.00		
Stars Position Last	Net Value We	eiaht	Ava Cost	Total Cost	Gain/Loss	Gain/Loss %	Previ
CHEVRON 100 77.45	7,45.00	100.00	77.79	7,779.0	-34.00	-0.44	
1							Þ
Login to Server Trade Securities A	sset Allocation						
	0		-			-	
$\underline{\underline{B}}$ User Tip $\underline{\underline{E}}$ dit $\overline{\underline{V}}$ Limit Orders	Quote Windo	bw					
Enter part of a ticker name and click S	Search, or		(CHEVRON	US Dollar	US Dollar	
double click on the ticker in the Quote	e or the	Pontion	Value	3,872.50	Cash Position	996,083.5	
Ticker Definition		Cash Pur	rchases	0	Cash Borrowed	0.0	
cvx		Market V	/alue	0.00	Credit Remaining	100,000.00	
Search Names	Search	Margin Purchases		100	Borrowing Rate	0.6250%	6
	Jealen	Market \	Value	7,745.00	Lending Rate	0.1250%	6
CVA	•	Loan		3,872.50	Buy VWAP	0.000	0
		Deposit		0.00	Sell VWAP	0.000	
CHEVBON in US Dollar		Equity		3,872.50	Buy Volume	0.00	
		Percent	age	0.50	Sell Volume	0.2	5
Margin Purchase	-	Short Sa	le l	0			
		Market	Value	0.00			
Quantity to Buy		Deposit		0.00			
Submit Order		Cash He	eld	0.00			
		Equity		0.00			
		Percenta	age	0.00			
		Div's Re	ceivable	0.00			
		Buy VW/	AP	77.79			
		Sell VW/	AP	0.00			
		Buy Volu	me	100.00			
		Sell Volu	me	0.00			
		Contract	Size	1			

Details of the margin account are shown. The last traded price in the example is \$77.45. The price at which the stock was bought (the ask price at the time of the trade execution) was \$77.79 (this is shown in the trade confirmation that was received; here we can also infer it from the Buy VWAP).

Margin requirements are calculated relative to the last traded price. Here, we started with \$1m in cash. There is a 50% margin. 100 shares at 77.79 would cost \$7,779. The last traded price was \$77.45, 100 shares at \$77.45 are worth \$7,745. The "broker" lends us 50% of this value, which is \$3,872.50. This is the margin `loan.' The actual cost was \$7,778 and \$3,872.50 was borrowed, so we had to pay the difference, \$3,909.50 from our cash. The position value is \$3,872.50; this is calculated relative to the last traded price; at that price, the 100 shares are worth \$7,745 but we owe half of that (the margin loan). So the position value is only \$3,872.50.

Just below the margin loan, you see `Deposit.' If the stock lost value, you would have to put up more cash as collateral, and this would be shown as the deposit.

Let us reconcile our cash balance. We started with \$1m and paid \$3,909.50 for the margin purchase. So we should have \$996,093.5 in cash remaining. But we only have \$996,083.56 (you can see that next to US Dollar Cash Position). The difference is the transaction cost we paid, which in this case was \$9.95, and a small rounding error that works in your favor. You can find the history of your transactions costs under the `Reports' menu item. This is illustrated below, after we describe a short sale.

Short Sales: Select 'Short Sell' and click `Submit Order'

We again start with \$1m in cash and short sell 100 shares of Walt Disney:

									T
-									
Currency	Amount	Borrowed	Credit Left	Buy VWAP	Sell VWAP	Buy Volume	Sell Volume		<u> </u>
US Dollar	998,309.06	0.00	100,000.00	0.0000	0.0000	0.0	0 0.00		
2	2					T . 10 .	0	O • # •	_
Stocks	Position	Last	Last Value	Weight	Avg Cost	Total Cost	Gain/Loss	Gain/Loss %	Prev
WALL DISNEY	-100	33.91	-3,391.00	100.00	33.62	-3,362.0	0 -29.00	-0.86	
▲									
						-			
Login to Server	Trade Secu	inities Asse	et Allocation						
User Tip E	dit 👻 Limit	Orders Q	uote Windo	w					
Enter part of a t	icker name a	nd click Se	arch, or	/	WAI		US Dollar	US Dollar	
double click on	the ticker in t	the Quote o	rthe	Position Valu	ie in in i	1.652.00	Cash Position	998,309,0	6
Ticker Definition	n			Cash Purcha	ises	0 0	Cash Borrowed	0.0	ð.
DIS				Market Value		0.00	Credit Remaining	a 100.000.0	οN
Search Nam	les			Margin Purch	nases	0	Borrowing Rate	0.6250	Ζ.
	100		earch	Narket Valu	е	0.00	Lending Rate	0.1250	7
DIS			•	Loan		0.00	Buy VWAP	0.000	0
				Deposit		0.00	Sell VWAP	0.000	0
WALT DISNEY	in LIS Dollar	r		Eluity		0.00	Buy Volume	0.0	0
WALL DISINEL	III US Dollai			Percentage		0.00	Sell Volume	0.0	0
				Shor Sales		100			
Short Sell			•	Market Valu	е	3,391.00			
Quantity to	Sell	100		Deposit		1,681.00			
	Submit On	dor		Cash Held		3,362.00			
	Submit On			Equity		1,652.00			
				Percentage		0.49			
				Div's Receiv	able	0.00			
				Buy VWAP		0.00			
				Sell VWAP		33.62			
				Buy Volume		0.00			
				Sell Volume		100.00			
				Contract Size	e	1			

The short sales account details are shown. The shares were sold short at \$33.62 per share. So the proceeds from the sale were \$3,362. Short sale regulations require that these proceeds be held by the broker (shown above as `cash held'). In addition, the short sales margin is 50%, so you have to put up an

additional 50% of the amount, which is \$1,681, shown as the `Deposit'. The position value is \$1,652. This is calculated relative to the last traded price, which was \$33.91. If the short sale was covered (the shares bought back) at this price, you would have to pay \$3,391 to buy back the shares. But you would get back the `cash held' and the `deposit' so the net amount would be - \$3,391+\$3,362.50+\$1,681=\$1,652, which is shown as the position value.

Finally, the cash account: it started at \$1m, the deposit of \$1,681 was subtracted, and the transaction of \$9.95 cost was paid, resulting in the cash balance of \$998,309.06. There is again a small rounding error of 1c in your favor; the rounding occurs because, for example, we may receive a quote of 33.62 as 33.61999, and if you trade 100 or 1000 shares, it can create a small discrepancy.

Limit Orders

These are submitted from the Limit Order window, accessible from the menu's at the top:



Click on `Limit and Stop Orders' to get:

S Limit and Stop Orders		
<u>E</u> dit Options		🛄 <u>U</u> ser Tip
Ticker (Find Matching Tickers	List All Tickers
Price	Quantity Limit /Stop order ID	
Select the Order Type (Limit	or Stop) and then one of six trade types Cash Buy, I	Margin Buy etc
 Limit order Stop Order Trailing Stop Order 	 Cash Buy Margin Buy Short Sell Cash Sell Margin Sell Short Cover 	Note: For futures, only margin buy/sell are valid
Submit New order Dele	te Existing order Modify Existing order	Delete all existing
Double click to modify or delete a 100 orders allowed per day OrderID Ticker OrderType Pri	n existing order Retrieve orders 4/3/20	rieved at: 10 9:00:36 AM
Status		

This is fairly easy. You type in the ticker, price and quantity, select the order type and the trade type, and submit a new order. If you want to delete or modify an existing order, double click on an order, then either click `Delete Existing Order' it or change the price/quantity and click `Modify Existing Order.' You can list all the tickers and select the one you want or enter part of a ticker and `Find Matching Tickers'. As an aside, tickers are case sensitive; this is because exchanges re-use the letters in a ticker and use lower and upper case letters to distinguish companies.

Limit orders you have entered are shown in this window and the information is updated whenever you make any changes. If you want to make sure you have the latest information on limit orders, click `Retrieve Orders.' We show you the result of submitting a limit cash buy for Chevron at 75:

S Limit and Stop Orders										
<u>E</u> dit Options		🗾 <u>U</u> ser Tip								
Ticker CVX	Find Matching Tickers CVX -	List All Tickers								
Price 75	Quantity 100 Limit /Stop order ID									
Select the Order Type (Limi	t or Stop) and then one of six trade types Cash Buy, M	argin Buy etc								
 Limit order Stop Order Trailing Stop Order 	 Limit order Stop Order Cash Buy Margin Buy Short Sell Trailing Stop Order Cash Sell Margin Sell Short Cover 									
Submit New order Dele	ete Existing order Modify Existing order D	elete all existing								
Double click to modify or delete a 100 orders allowed per day OrderID Ticker 4 CVX Iimit cashbuy	Price Quantity 75.0000 100.0000	eved at: 0 9:12:08 AM								
Order 4 entered										

Limit orders are monitored all the time, even if you are not logged in. But they only execute if the price condition is met (in this example, the price of Chevron must fall from the current 77.45 to 75 for this order to execute). So if you put in unrealistic prices, the trades will not execute.

History

You can access your trading history from the 'Reports' menu at the top:

<mark>\$</mark> F	TS R	eal Tim	e Trader:	Client. Versio	on 4.0.0.4		-	_			
	<u>U</u> ser	Tip	Options	<u>Q</u> uotes	Limit and Stop Orders	<u>P</u> arameters	<u>R</u> eports	<u>T</u> utors	<u>H</u> elp		
 -	0	Server	Time: 9/3	3/2010 8:59:11	LAM Connected to Serve	ar Global /alue	Get	Trading H	istory and Rep	oorts	
							Get Performance Report				
							View	/ Trade Co	onfirmations		

Select `Get Trading History and Reports' to obtain the history. When it first comes up, shows everything recorded for your account, including when you logged in and from where. It looks like this:

S Trading H	S Trading History								
🔲 User Tip	<u>E</u> dit <u>O</u> ptio	ns <u>R</u> efresl	h History						
Select Repo	ort All History				-	Senerate (Report		
	Export Table to Excel								
Last retrieved	Last retrieved at: 9/3/2010 9:24:20 AM								
Table									
Trader	SectionName	Date	Time	Security	Action	Price	Quantity 🔺		
ss 1gdjia	ftsaccount	8/25/2010	2:11:56 AM	US Dollar	PayInterest	0	4.30560827		
ss 1gdjia	ftsaccount	8/25/2010	5:00:06 PM	Global	Value	1055.33	1000016.5		
ss 1gdjia	ftsaccount	8/25/2010	5:00:09 PM	US Dollar	Market Value	0	1000016.5		
ss 1gdjia	ftsaccount	8/26/2010	2:11:57 AM	US Dollar	PayInterest	0	4.16673565		
ss 1gdjia	ftsaccount	8/26/2010	9:56:28 AM	70.118.113.121:56982	login	0	0		
ss 1gdjia	ftsaccount	8/26/2010	9:56:49 AM	US Dollar	CashChan	10.18	-1018		
ss 1gdjia	ftsaccount	8/26/2010	9:56:49 AM	ALCOA	cashbuy	10.18	100		
ss 1gdjia	ftsaccount	8/26/2010	9:56:49 AM	US Dollar	CashChan	0	-9.95		
ss 1gdjia	ftsaccount	8/26/2010	9:57:04 AM	US Dollar	CashChan	58.98	-5898		
ss 1gdjia	ftsaccount	8/26/2010	9:57:04 AM	EXXONMOBIL	cashbuy	58.98	100		
ss 1gdjia	ftsaccount	8/26/2010	9:57:04 AM	US Dollar	CashChan	0	-9.95		
ss 1gdjia	ftsaccount	8/26/2010	12:31:39 PM	70.118.113.121:58039	login	0	0		
ss 1gdjia	ftsaccount	8/26/2010	12:33:21 PM	70.118.113.121:58108	login	0	0		
ss 1gdjia	ftsaccount	8/26/2010	12:34:25 PM	US Dollar	CashChan	12.73	-1273		
ss 1gdjia	ftsaccount	8/26/2010	12:34:25 PM	BANK OF AMERICA	cashbuy	12.73	100		
4 10	n .	0.000.0010	10.04.05.04		0.10	0	0.05		

As an aside, what is under `Trader' may be your trading name with something added at the. In this example, the trading name is ss1g but djia is added at the end. This is because trader ss1g has multiple trading accounts, and when they select the FTS 30 Stock Case, the system maps them to an internal name of ss1gdjia. This way, the trader can have a single trading name and password for multiple accounts.

The drop-down next to `Select Report' lets you generate a variety of reports:

S Trading His	tory	Demonstration		FAID				- 0	×	
📕 User Tip	Edit Option	is <u>R</u> efresł	n History							
Select Report	All History	Generate				Generate F	Report			
	All History					E	roort Table	to Excel		
	End of Day Ma	leport arket Values					Cont Table			
Last retrieved at: 9/ P&L Report of All Securities P&L Report of (select security)										
Tabla	Daily Position Summary									
	 History of (sele Market Value 	ct secunty) Report of (sel	ect security)			-			-1	
Trader S	Sec All Trades	Ordere					Price	Quantity	4	
ss1gdjia	History of Tran	saction Costs	s Paid			terest	0	4.027794		
ss1gdjia	f All Margin/Sho Margin/Short /	nt Sale Activi Activity of (Se	ty lect Security)			olio	0	0		
ss1gdjia	VaR Excession	IS	eet Security)			olio	0	0		
ss1gdjia	f History of Secu	urity Prices				olio	0	0		
ss 1gdjia	ftsaccount	8/21/2010	5:00:07 PM	US Dollar	Market	t Value	0	1000000		
ss 1gdjia	ftsaccount	8/21/2010	5:00:05 PM	Global	Va	lue	1071.69	1000000		
ss1gdjia	ftsaccount	8/21/2010	7:58:03 AM	Yen	Port	folio	0	0		
ss1gdjia	ftsaccount	8/21/2010	7:58:03 AM	Aussie Dollar	Port	folio	0	0		
ss1gdjia	ftsaccount	8/21/2010	7:58:03 AM	Mexican Pesos	Port	folio	0	0		
ss 1gdjia	ftsaccount	8/21/2010	7:58:03 AM	Thailand Baht	Port	folio	0	0		
ss1gdjia	ftsaccount	8/21/2010	7:58:03 AM	Euro	Port	folio	0	0		
ss 1gdjia	ftsaccount	8/21/2010	7:58:04 AM	New Zealand Dollar	Port	folio	0	0		
ss 1gdjia	ftsaccount	8/22/2010	2:47:39 AM	US Dollar	PayIn	terest	0	4.02777767		
ss1gdjia	ftsaccount	8/21/2010	7:58:04 AM	US Dollar	Port	folio	0	0		
ss 1gdjia	ftsaccount	8/22/2010	10:34:34 AM	70.118.113.121:64360 logi		jin	0	0	_	
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Select the report and click `Generate Report.' P&L stands for profit and loss. You can see the transactions costs paid. The margin/short sale activity shows you interest credited to the deposits and interest charged on loans. After you have generated a report, you can export the table into Excel by clicking on the button. Some of the reports, like end of day market values, can also be plotted.