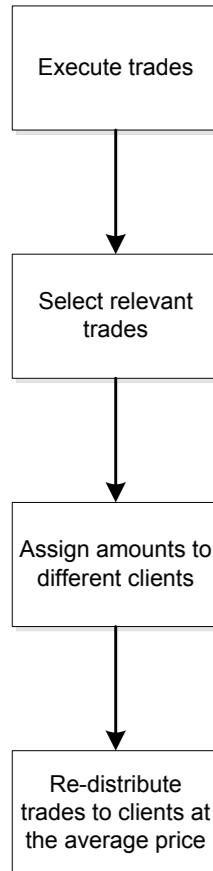


Introduction

An evaluation of the cross asset "old blotter" in the context of the following user story:

1. Execute Trades
2. Select relevant trades
3. Assign amounts to different clients
4. Re-distribute trades to clients at the average price

High level user story



Method

Three runs through the task taking screen-shots at every interaction.

1. The first resulted in failure as I did not know why I could not aggregate a trade.
2. The second run through starts at the blotter goes on to the end of the task.
3. The third run thorough attempts to find edge cases and break the interactions of the blotter.

Then mapped out the critical path of the task and consolidated the observations into a single critical path.

Used the identified critical path to do usability testing with 5 participants.

Summary

The interface is not clear and users' were often unsure of their actions before and after committing. As a result it took them longer than necessary to aggregate and allocate trades.

Recommendations

Quick fixes:

1. Rename "Totalizer" to 'Aggregate/Release'
2. Remove the second 'Confirmation' dialogue after allocating and aggregating a trade.
3. In the Totalizer/Aggregation area show both "Aggregate" and "Release" buttons for each trade with unavailable options disabled (grayed-out).
4. After Aggregating a trade, keep it selected and shown in the "Totalizer/Aggregation" area but replace the "Aggregate" button with the text "Aggregated"
5. After Allocating a trade, keep it selected and shown in the "Allocation" area but replace the "Allocate" button with the text "Allocated"
6. The background of freshly aggregated and allocated trades to turn green and fade out over 4 seconds in the blotter.
7. Move the "Allocate" button to the top left reflecting the location and styling of the "Aggregate" button.
8. Add placeholder text "Select Account" and the add triangle icon to the account drop-down in the allocations area.
9. Group the controls to save and load a set of allocations together visually and move to the bottom left of the list of allocations.
10. Label saved allocations selection drop down "Load allocation rule", add a the placeholder text "Select Allocation"
11. Disable load allocations drop-down when its empty.
12. Label the input for a new rule "New Allocation rule" and move the save button next to it.

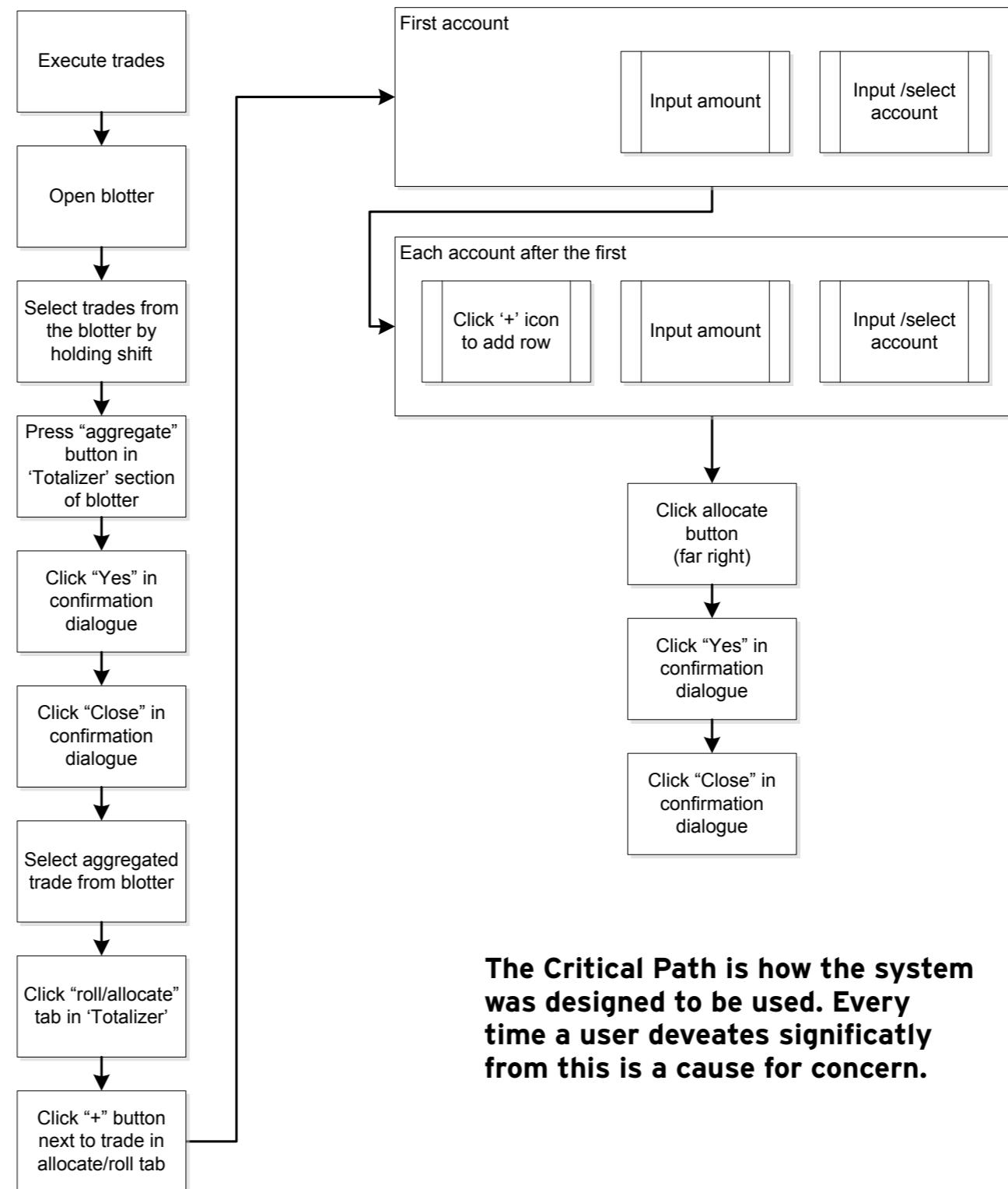
Long term solutions:

1. Rework the sorting and filtering functionality to include multiple sorts and filters.
2. Move the tasks of Allocating and Aggregating to modals.
3. Rework the visual styling of the blotter to focus on more clear and readable information.
4. Include visual styling to differentiate trades of different statuses.
5. Rework the layout of the blotter to give structure and logical groupings to the controls.
6. Adding simple animations to show items being added and removed.

Usability testing

- A group of 5 participants was recruited from the velocity development teams.
- They all had a good amount of industry and business knowledge and
- No direct experience of the task

Task critical path



The Critical Path is how the system was designed to be used. Every time a user deviates significantly from this is a cause for concern.

Test setup

Before each test I made 7 trades, 5 of which where the ones the user needed to select for the task. The 5 trades where mixed up so they where not adjacent in the blotter. As the test begins the user sees the blotter open.

Usability testing script

During this session I'm going to ask you to complete a task using Velocity.

The first and most important thing you need to know it that this is not a test of you but a test of the **software**. So don't worry about making any mistakes. Also, please don't worry that you're going to hurt our feelings. We're doing this to improve the software, so we need to hear your honest reactions.

During the task I'd like you as much as possible to try to think out loud: to say what you're looking at, what you're trying to do, and what you're thinking.

The screen will be recorded and also I'd like you to wear a headset so I can record you speaking during the task.

<give the participant the task sheet>

Task sheet

Imagine you are an FX trader who is managing the funds of 5 clients.

You have made 5 trades on EURUSD throughout the day at different prices. These trades will need to be aggregated into a single trade and then allocated to your 5 clients evenly so they get the same price.

This task is time sensitive as your clients want to know their money is on the way as soon as possible, so try to complete the task quickly.

Before you begin:

- You will be logged into a test account where no real currency or trades will occur.

In this scenario...

- Your user-name is "**jm83140**"
- The 5 most recent trades made against the account: "**NonSettleMarex**" are the ones relevant to this task.
- They must be aggregated into a single trade before allocated to different accounts
- The 5 accounts you manage are:
 - **BASD**,
 - **BLUECREST**,
 - **CITIACCTMAREX**,
 - **BASK**,
 - **Bulbank**
- Each account should be allocated **equal amounts** of the EURUSD trades.

When you have finished

When you feel you have completed he task, let the examiner know.

Recommended quick fixes for Aggregations tab

SAT CitiVELOCITY™ Blotter

Trade Entry Time	Deal Type	Cust Directive	CCY Pair	Dealt Amt	Dealt CCY	Deal Spot	Deal Points	% Points	Deal Rate	Counter Amt	Value Date	User	Trade Date	Post Trade Status	Account	Order Type	Order ID	ID	Infinity
29/10/2015 15:19:44	SP	Buy	EUR/USD	1,000,000.00	EUR	1.09692	0.000		1.09692	-1,096,920.00	2 Nov 2015	jm83140	29 Oct 2015	Executed Only	NonSettleMarex	ESPTrade	20151029166880633	201510292540637	
29/10/2015 15:19:38	SP	Sell	EUR/USD	-1,000,000.00	EUR	1.09678	0.000		1.09678	1,096,780.00	2 Nov 2015	jm83140	29 Oct 2015	Executed Only	NonSettleMarex	ESPTrade	201510291138420748	201510292520635	
29/10/2015 15:19:37	SP	Buy	EUR/USD	1,000,000.00	EUR	1.09699	0.000		1.09699	-1,096,990.00	2 Nov 2015	jm83140	29 Oct 2015	Executed Only	NonSettleMarex	ESPTrade	201510291138420745	201510292520633	
29/10/2015 15:19:36	SP	Buy	EUR/USD	1,000,000.00	EUR	1.09699	0.000		1.09699	-1,096,990.00	2 Nov 2015	jm83140	29 Oct 2015	Executed Only	NonSettleMarex	ESPTrade	201510291138420742	201510292520631	
29/10/2015 15:19:35	SP	Buy	EUR/USD	1,000,000.00	EUR	1.09685	0.000		1.09685	-1,096,850.00	2 Nov 2015	jm83140	29 Oct 2015	Executed Only	NonSettleMarex	ESPTrade	201510291138420739	201510292520629	
29/10/2015 15:18:37	FW	Buy	EUR/CHF	1.00	EUR	1.08649	-5.750		1.085915	-1.09	2 Dec 2015	PerfTest02	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700624	201510292560641	
29/10/2015 15:18:37	SW	Sell / Buy	EUR/CHF	-1.00 / 1.00	EUR	1.08625 / 1	-1.315 / -5.5		1.0861185 / 1.085	1.09 / -1.09	9 Nov 2015 / 21	PerfTest02	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700627	20151029183700627	
29/10/2015 15:18:33	SW	Sell / Buy	USD/CAD	-1.00 / 1.00	USD	1.31755 / 1	+0.680 / +2.		1.317618 / 1.3178	1.32 / -1.32	6 Nov 2015 / 30	PerfTest03	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700618	20151029183700618	
29/10/2015 15:18:33	SW	Buy / Sell	EUR/JPY	1.00 / -1.00	EUR	132.775 / 1	+0.418 / +1.		132.77918 / 132.1	-132.00 / 132.00	9 Nov 2015 / 21	PerfTest03	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700621	20151029183700621	
29/10/2015 15:18:32	SP	Sell	EUR/CHF	-1.00	EUR	1.08628	0.000		1.08628	1.09	2 Nov 2015	PerfTest02	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	201510291138420736	201510292520627	
29/10/2015 15:18:30	SW	Buy / Sell	USD/CAD	1.00 / -1.00	USD	1.31781 / 1	+0.680 / +2.		1.317878 / 1.3180	-1.32 / 1.32	6 Nov 2015 / 30	PerfTest03	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700615	20151029183700615	
29/10/2015 15:18:29	FW	Sell	GBP/USD	-1.00	GBP	1.52897	-2.870		1.528683	1.53	2 Dec 2015	PerfTest02	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700612	201510292560633	
29/10/2015 15:18:28	SP	Buy	EUR/JPY	1.00	EUR	132.785	0.000		132.785	-132	2 Nov 2015	PerfTest03	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700609	201510292560631	
29/10/2015 15:18:27	FW	Sell	AUD/USD	-1.00	AUD	0.70791	-10.910		0.706819	0.71	2 Dec 2015	PerfTest04	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700606	201510292560629	
29/10/2015 15:18:26	FW	Sell	EUR/CHF	-1.00	EUR	1.08628	-5.750		1.085705	1.09	2 Dec 2015	PerfTest02	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029166880621	201510292540629	
29/10/2015 15:18:26	SW	Sell / Buy	EUR/USD	-1.00 / 1.00	EUR	1.09647 / 1	+0.911 / +4.		1.0965611 / 1.096	1.10 / -1.10	9 Nov 2015 / 21	PerfTest01	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029166880624	20151029166880624	

Aggregate/Release Allocate/Roll

CCY Pair	Total/Net	Dealt CCY	Amt Settling	Rate Settling	Value Date	Realized PnL	Spot Rate	Points	All-In Rate	Long	Short	User
EUR/USD	4,000,000.00	EUR	4,387,750.00	1.0969375	2 Nov 2015	N/A	1.0969375	0.000	1.0969375	4,000,000.00	-	jm83140
EUR/USD	1,000,000.00	EUR	1,096,780.00	1.09678	2 Nov 2015	-	1.09678	0.000	1.09678	-	1,000,000.00	jm83140

Aggregate/Release All



Recommended quick fixes for Allocations tab

UAT CitiVELOCITY

Add... Search Filter Up

jqim.git

GitH

Git Sh

ic_close

ic_close

ic_setting

benpa

test capture

Blotter

FX Trades	FX Positions	FX Orders	FX Options	Investments	Commodities	CMD Trades	CMD Instruments	e 4 Education	My Trades Today's Trades Select All																	
Trade Entry Time	Deal Type	Cust Directive	CCY Pair	Dealt Amt	Dealt CC'	Deal Spot	Deal Points	% Points	Deal Rate	Counter Amt	Value Date	User	Trade Date	Post Trade Status	Account	Order Type	Order ID	ID	Infinity							
29/10/2015 15:23:13	SP	Buy	EUR/USD	4,000,000.00	EUR	1.0969375	0.000		1.0969375	-4,387,750.00	2 Nov 2015	jm83140	29 Oct 2015	Aggregated	NonSettleMarex	Aggregation	201510281101120627	201510292420484								
29/10/2015 15:19:38	SP	Sell	EUR/USD	-1,000,000.00	EUR	1.09678	0.000		1.09678	1,096,780.00	2 Nov 2015	jm83140	29 Oct 2015	Executed Only	NonSettleMarex	ESPTrade	201510291138420748	20151029250635								
29/10/2015 15:18:37	FW	Buy	EUR/CHF	1.00	EUR	1.08649	-5.750		1.085915	-1.09	2 Dec 2015	PerfTest02	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700624	201510292560641								
29/10/2015 15:18:37	SW	Sell / Buy	EUR/CHF	-1.00 / 1.00	EUR	1.08625 / 1	-1.315 / -5.5		1.0861185 / 1.085	1.09 / -1.09	9 Nov 2015 / 21	PerfTest02	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700627	20151029183700627								
29/10/2015 15:18:33	SW	Sell / Buy	USD/CAD	-1.00 / 1.00	USD	1.31755 / 1	+0.680 / +2.		1.317618 / 1.3178	1.32 / -1.32	6 Nov 2015 / 30	PerfTest03	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700618	20151029183700618								
29/10/2015 15:18:33	SW	Buy / Sell	EUR/JPY	1.00 / -1.00	EUR	132.775 / 1	+0.418 / +1.		132.77918 / 132.1	-132.00 / 132.00	9 Nov 2015 / 21	PerfTest03	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700621	20151029183700621								
29/10/2015 15:18:32	SP	Sell	EUR/CHF	-1.00	EUR	1.08628	0.000		1.08628	1.09	2 Nov 2015	PerfTest02	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	201510291138420736	20151029250627								
29/10/2015 15:18:30	SW	Buy / Sell	USD/CAD	1.00 / -1.00	USD	1.31781 / 1	+0.680 / +2.		1.317878 / 1.3180	-1.32 / 1.32	6 Nov 2015 / 30	PerfTest03	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700615	20151029183700615								
29/10/2015 15:18:29	FW	Sell	GBP/USD	-1.00	GBP	1.52897	-2.870		1.528683	1.53	2 Dec 2015	PerfTest02	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700612	201510292560633								
29/10/2015 15:18:28	SP	Buy	EUR/JPY	1.00	EUR	132.785	0.000		132.785	-132	2 Nov 2015	PerfTest03	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700609	201510292560631								
29/10/2015 15:18:27	FW	Sell	AUD/USD	-1.00	AUD	0.70791	-10.910		0.706819	0.71	2 Dec 2015	PerfTest04	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700606	201510292560629								
29/10/2015 15:18:26	FW	Sell	EUR/CHF	-1.00	EUR	1.08628	-5.750		1.085705	1.09	2 Dec 2015	PerfTest02	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029166880621	201510292540629								
29/10/2015 15:18:26	SW	Sell / Buy	EUR/USD	-1.00 / 1.00	EUR	1.09647 / 1	+0.911 / +4.		1.0965611 / 1.096	1.10 / -1.10	9 Nov 2015 / 21	PerfTest01	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029166880624	20151029166880624								
29/10/2015 15:18:26	FW	Sell	EUR/GBP	-1.00	EUR	0.71712	+4.070		0.717527	0.72	2 Dec 2015	PerfTest01	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029166880627	201510292540633								
29/10/2015 15:18:24	SP	Sell	GBP/USD	-1.00	GBP	1.52903	0.000		1.52903	1.53	2 Nov 2015	PerfTest02	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029183700603	201510292560627								
29/10/2015 15:18:24	SW	Buy / Sell	AUD/USD	1.00 / -1.00	AUD	0.70818 / 0	-2.520 / -10		0.707928 / 0.7070	-0.71	9 Nov 2015 / 21	PerfTest04	29 Oct 2015	Executed Only	Marex_Account3	ESPTrade	20151029166880618	20151029166880618								

Aggregate/Release Allocate/Roll Aggregated Trades Only

Roll Only	CCY Pair	Position	Deal CCY	Spot Rate (Avg)	Points (Avg)	All-In Rate (Avg)	Value Date	Tenor	Account	Status	Allocation ID	Customer Direction			
<input checked="" type="checkbox"/>	EUR/USD	4,000,000.00	EUR	1.0969375	0.000	1.0969375	2 Nov 2015	SPOT	NonSettleMarex	Aggregated	Buy				
<input checked="" type="checkbox"/>	Reset	Account	Amount	Customer Direction	Percentage (100.00 %)	Value Date	Bid Points	Ask Points	Outright	Client Ref	Execution ID				
Allocate (2)	<input checked="" type="checkbox"/>	BASD	4,000,000	BUY	100	2 Nov 15	0.000	0.000	1.0969375						
	<input checked="" type="checkbox"/>		0	BUY	0	2 Nov 15	0.000	0.000	1.0969375						

Load allocation rule: New allocation rule: Select Allocation Name allocation Save Set as default

User testing observations

- 4 out of 5 completed the task of aggregation and allocating the trades.
- 3 out of 5 used the right click menu to aggregate.
- 2 out of 5 used the totalizer to aggregate a trade, of those 2, one used the "aggregate/release all" button and used right click menu to start allocations.
- All 5 were surprised to see the totalizer appear and one person thought they had opened it by accident.
- All 5 found it difficult to find the trades they were looking for, only 2 used the blotter filters, of those 2, one of them selected and aggregated the wrong trades.
- All 4 out of 5 were unsure of their actions where implemented by the system, the other 1 thought they had successfully allocated the trades when they had not.
- 4 out of 5 were confused by the systems' response to them pressing "enter" whilst inside a field.
- The average time on task was approximately 6 minutes. The longest was nearly 11 minutes.

Heuristic review

This was done before the user testing.

Three runs through the task taking screen-shots at every interaction and noting any usability issues as well as initial reactions.

1. The first resulted in failure as I did not know why I could not aggregate a trade.
2. The second run through starts at the blotter goes on to the end of the task.
3. The third run thorough attempts to find edge cases and break the interactions of the blotter.

Then mapped out the critical path of the task and consolidated the observations into a single critical path which starts on the next page.

Execute trades

Launched tile



"A" on its own does not describe what the action of this button is.

This looks more like a button but is not.

Amount field hard to find

This icon is not widely recognized so should not be used as a button label.

Unclear what this is.

Unclear how this action interacts with the main execute button.

CRITICAL PATH STEP 02

Open blotter

Looking in main menu for netting and allocation functions

"ex-asset?"

The screenshot shows the Citi VELOCITY trading platform interface. At the top, there is a main menu bar with options like Grid, Algo, Order, Graph, Tile, Dashboard, and Order Monitor. Below the menu is a grid-based navigation menu with categories such as Commodities, FX Cash, FX Options, Infinity Cable, Titan, and Alerts. A red circle highlights the 'Alerts' button in the Titan row. A red arrow points from the text "ex-asset?" to this highlighted button. In the center of the screen, a search dialog box is open, titled 'Search Columns'. It contains a list of checkboxes for various trade details: Direction, CCY Pair, Dealit CCY, Deal Amount, All-in Rate, Value Date, Trade Time, Spot Rate, Fwd Pts, Counter CCY, Counter Amount, Trade Type, Account, User, Status, Executed Rate, and % Points. There are also two unchecked checkboxes for Show horizontal grid lines and Use light background. At the bottom of the dialog are 'Apply' and 'Cancel' buttons. To the right of the search dialog, there is a small window showing a 'Buy EUR' trade with a price of 1.13693 and a timestamp of 22 Oct 15. The bottom of the screen shows a timeline chart for the EUR/SEK market, with a yellow line representing the price over time. The taskbar at the bottom includes icons for various applications like Internet Explorer, Google Chrome, and Microsoft Word.

CRITICAL PATH STEP 03 + 04

Select Trades + Press "Aggregate" button

Selecting multiple trades

The screenshot shows the CitiVELOCITY Blotter interface. At the top, there are several tabs: FX Trades, FX Positions, FX Orders, FX Options, Investments, Commodities, CMO Trades, CMO Instruments, e4 Education, My Trades, Today's Trades, Select All, and a button with a question mark icon. Below the tabs is a table of trade data with columns for Trade Entry Time, Deal Type, Cust Directive, CCY Pair, Deal Amt, Deal CCY, Deal Spot, Deal Points, % Points, Deal Rate, Counter Amt, Value Date, User, Trade Date, Post Trade Status, Account, Order type, Order ID, ID, and Infinity. Several rows are highlighted in blue, indicating they are selected. In the bottom left of the main area, there is a 'Totalizer' and 'Allocate/Roll' section with a 'Aggregate/Release' button. This button has a badge showing '4 (4)' above it, indicating four trades have been aggregated. To the right of the button are 'Release' and 'User' buttons. The 'User' button is circled in red. The bottom of the screen shows a toolbar with various icons.

Inconsistency of numbering aggregate but not release.

Unclear why these are separated into aggregate and release.

Repetition of information, the number of trades is shown as a badge on the button and here.

The bottom blotter opens when you select trades even if you have closed it via the "E" icon button.

Radio group?

Single action?

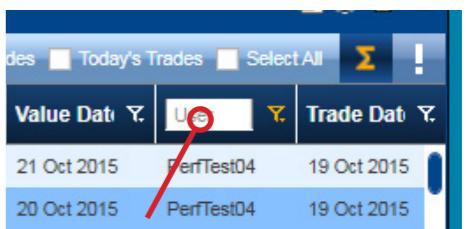
Export
Settings
Print
Pop-out
These buttons are not logically grouped or ordered.

Unclear what this button does.

Keyboard shortcuts are good, but no mouse only option.

Can select but not de-select rows.

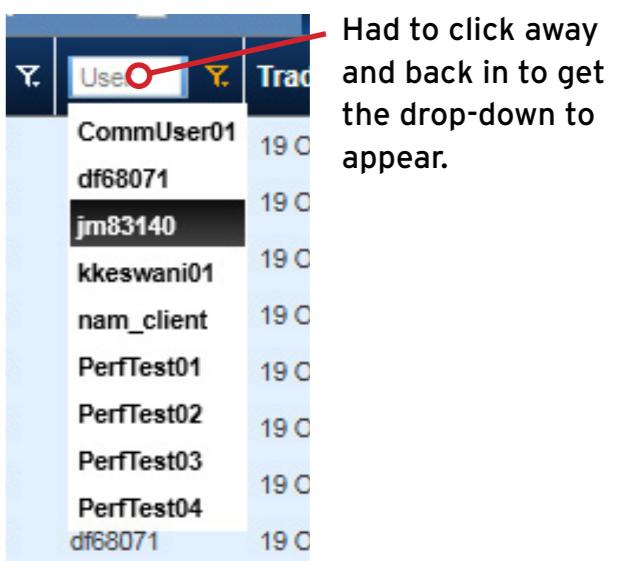
This means if you select a row by mistake you have to start over again.



Attempting to filter the user to me.

Click the label = Sort the column.

Click the icon for sort (which has a small triangle implying a drop-down) = put a input box on-top of the label. Once in this stage, unable to cancel the input.



Had to click away and back in to get the drop-down to appear.

CRITICAL PATH STEP 05 + 06

Click "yes" + click "Close"

Aggregating selected trades

CMD Trades													CMD Instruments		e 4 Education		
	Y.	Dealt CC	Y.	Deal Spot	Deal Points	% Points	Deal Rate	Y.	Counter Amt	Value Date	Y.	User	Y.	Trade Date	Y.	Post Trade S	
0.00	EUR		1.09692	0.000			1.09692		-1,096,920.00	2 Nov 2015		jm83140		29 Oct 2015		Executed	
0.00	EUR		1.09678	0.000			1.09678		1,096,780.00	2 Nov 2015		jm83140		29 Oct 2015		Executed	
0.00	EUR		1.09699	0.000			1.09699		-1,096,990.00	2 Nov 2015		jm83140		29 Oct 2015		Executed	
0.00	EUR		1.09699	0.000			1.09699		-1,096,990.00	2 Nov 2015		jm03140		29 Oct 2015		Executed	
0.00	EUR		1.09685	0.000			1.09685		-1,096,850.00	2 Nov 2015		jm83140		29 Oct 2015		Executed	
1.00	EUR		1.08649	-5.750			1.085915		-1.09	2 Dec 2015		PerfTest02		29 Oct 2015		Executed	
1.00	EUR		1.08625 / 1	-1.315 / -5.5			1.086185 / 1.085		1.09 / -1.09	9 Nov 2015 / 21		PerfTest02		29 Oct 2015		Executed	
1.00	USD		1.31755 / 1	+0.680 / +2.			1.317618 / 1.3178		1.32 / -1.32	6 Nov 2015 / 30		PerfTest03		29 Oct 2015		Executed	
1.00	EUR		132.775 / 1	+0.418 / +1.			132.77918 / 132.7		-132.00 / 132.00	9 Nov 2015 / 21		PerfTest03		29 Oct 2015		Executed	
1.00	EUR		1.08628	0.000			1.08628		1.09	2 Nov 2015		PerfTest02		29 Oct 2015		Executed	
1.00	USD		1.31701 / 1	+0.600 / +2.			1.317070 / 1.3100		-1.32 / 1.32	6 Nov 2015 / 30		PerfTest03		29 Oct 2015		Executed	
1.00	GBP		1.52897	-2.870			1.528883		1.53	2 Dec 2015		PerfTest02		29 Oct 2015		Executed	
1.00	EUR		132.785	0.000			132.785		-132	2 Nov 2015		PerfTest03		29 Oct 2015		Executed	
1.00	AUD		0.70791	-10.010			0.706819		0.71	2 Dec 2015		PerfTest04		29 Oct 2015		Executed	
1.00	EUR		1.08628	-5.750			1.085705		1.09	2 Dec 2015		PerfTest02		29 Oct 2015		Executed	
1.00	EUR		1.09647 / 1	+0.911 / +4.			1.0965611 / 1.096		1.10 / -1.10	9 Nov 2015 / 21		PerfTest01		29 Oct 2015		Executed	
1.00	EUR		1.09647 / 1	+0.911 / +4.			1.0965611 / 1.096		1.10 / -1.10	9 Nov 2015 / 21		PerfTest01		29 Oct 2015		Executed	
Total													Realized PnL		Spot Rate		
4,387,750.00			1.0969375		2 Nov 2015	N/A	1.0969375	0.000	1,0969375	4,000,000.00							
1,096,780.00			1.09678		2 Nov 2015	-	1.09678	0.000	1.09678	-1,000,000.00		jm83140					
Total													Realized PnL		Spot Rate		
4,387,750.00			1.0969375		2 Nov 2015	N/A	1.0969375	0.000	1,0969375	4,000,000.00							
1,096,780.00			1.09678		2 Nov 2015	-	1.09678	0.000	1.09678	-1,000,000.00		jm83140					

CMD Trades													CMD Instruments		e 4 Education		
	Y.	Dealt CC	Y.	Deal Spot	Deal Points	% Points	Deal Rate	Y.	Counter Amt	Value Date	Y.	User	Y.	Trade Date	Y.	Post Trade S	
0.00	EUR		1.0969375	0.000			1.0969375		-4,387,750.00	2 Nov 2015		jm83140		29 Oct 2015		Aggregate	
0.00	EUR		1.09678	0.000			1.09678		1,096,780.00	2 Nov 2015		jm83140		29 Oct 2015		Executed	
1.00	EUR		1.08649	-5.750			1.08649		1.09	2 Dec 2015		PerfTest02		29 Oct 2015		Executed	
1.00	EUR		1.00025 / 1	-1.315 / -5.5			1.0001105 / 1.005		1.09 / -1.09	9 Nov 2015 / 21		PerfTest02		29 Oct 2015		Executed	
1.00	USD		1.31755 / 1	+0.680 / +2.			1.317618 / 1.3178		1.32 / -1.32	6 Nov 2015 / 30		PerfTest03		29 Oct 2015		Executed	
1.00	EUR		132.775 / 1	+0.418 / +1.			132.77918 / 132.7		-132.00 / 132.00	9 Nov 2015 / 21		PerfTest03		29 Oct 2015		Executed	
1.00	EUR		1.08628	0.000			1.08628		1.09	2 Nov 2015		PerfTest02		29 Oct 2015		Executed	
1.00	USD		1.31701 / 1	+0.600 / +2.			1.317070 / 1.3100		-1.32 / 1.32	6 Nov 2015 / 30		PerfTest03		29 Oct 2015		Executed	
1.00	GBP		1.52897	-2.870			1.528883		1.53	2 Dec 2015		PerfTest02		29 Oct 2015		Executed	
1.00	EUR		132.785	0.000			132.785		-132	2 Nov 2015		PerfTest03		29 Oct 2015		Executed	
1.00	AUD		0.70791	-10.010			0.706819		0.71	2 Dec 2015		PerfTest04		29 Oct 2015		Executed	
1.00	EUR		1.08628	-5.750			1.085705		1.09	2 Dec 2015		PerfTest02		29 Oct 2015		Executed	
1.00	EUR		1.09647 / 1	+0.911 / +4.			1.0965611 / 1.096		1.10 / -1.10	9 Nov 2015 / 21		PerfTest01		29 Oct 2015		Accepted	
1.00	EUR		1.09647 / 1	+0.911 / +4.			1.0965611 / 1.096		1.10 / -1.10	9 Nov 2015 / 21		PerfTest01		29 Oct 2015		Accepted	
Total													Realized PnL		Spot Rate		
4,387,750.00			1.0969375		2 Nov 2015	N/A	1.0969375	0.000	1,0969375	4,000,000.00							
1,096,780.00			1.09678		2 Nov 2015	-	1.09678	0.000	1.09678	-1,000,000.00		jm83140					
Total													Realized PnL		Spot Rate		
4,387,750.00			1.0969375		2 Nov 2015	N/A	1.0969375	0.000	1,0969375	4,000,000.00							
1,096,780.00			1.09678		2 Nov 2015	-	1.09678	0.000	1.09678	-1,000,000.00							

CRITICAL PATH STEP 07

Select aggregated trade

Looking for aggregated trade

The trade the user has just had a impact on looks the same as every other trade.

Possible to confuse this with the trade you have just aggregated.

Selected aggregated trade

Account S

Totalizer Allocate/Roll Net Long/Short Aggregate/Release All Unselect All >

	Aggregate/Release	Trades	CCY Pair	Total/Net	Dealt CCY	Amt Setting	Rate Settling	Value Date	Realized PnL	Spot Rate	Points	All In Rate	Long	Short	User	
	1	EUR/USD	4,000,000.00	EUR	4,387,750.00	1.0969375	2 Nov 2015	-	1.0969375	0.000	1.0969375	4,000,000.00	-	jm83140		

benpa

test capture

15:26 29/10/2015

Looks visually the same as before the correct trade was selected.

CRITICAL PATH STEP 08

Click “roll/allocate” tab

Moved to allocate/roll tab

The screenshot shows the Citi VELOCITY Blotter interface. The main window displays a grid of trade details, including columns for Trade Entry Time, Deal Type, Cust Direct, CCY Pair, Deal Amt, Deal CCY, Deal Spot, Deal Points, % Points, Deal Rate, Counter Amt, Value Date, User, Trade Date, Post Trade Status, Account, Order type, Order ID, ID, and Infinity. Below this is a summary table titled 'Allocate/Roll' with columns for Roll Only, CCY Pair, Position, Deal CCY, Spot Rate (Avg), Points (Avg), All-In Rate (Avg), Value Date, Tenor, Account, Status, Allocation ID, and Customer Direction. The 'Allocate/Roll' tab is highlighted in blue. A red arrow points from the 'Allocate/Roll' tab in the bottom navigation bar to the 'Allocate/Roll' section of the main content area.

Roll Only	CCY Pair	Position	Deal CCY	Spot Rate (Avg)	Points (Avg)	All-In Rate (Avg)	Value Date	Tenor	Account	Status	Allocation ID	Customer Direction
<input checked="" type="checkbox"/>	EUR/USD	4,000,000.00	EUR	1.0969375	0.000	1.0969375	2 Nov 2015	SPOT	NonSettleMarex	Aggregated		Buy

Not clear that this is the next step in the core work-flow.

CRITICAL PATH STEP 09

Click '+' next to trade

Clicked '+' icon next to trade

The screenshot shows the Citi VELOCITY Blotter interface. At the top, there's a navigation bar with tabs like FX Trades, FX Positions, FX Orders, etc. Below it is a main grid of trade details. A specific row is highlighted with a red circle, and a red arrow points from the text "Clicked a row produced unexpected results." to this row. Another red arrow points from the text "Clicked the roll only checkbox" to a checkbox in the header of a summary table.

Roll to Date	Buy-Sell Points	Sell-Buy Points	Outright	Execution ID
22 Oct 15	0.000	0.000	0.000	Book Roll
	<input checked="" type="checkbox"/>			

Checking a row produced unexpected results.

Clicked the roll only checkbox

Totalizer	Allocation/Roll	CCY Pair	Position	Deal CCY	Spot Rate (Avg)	Points (Avg)	All-In Rate (Avg)	Value Date
<input checked="" type="checkbox"/>		EUR/USD	2,000,000.00	EUR	1.13652	0.000	1.13652	2
Roll to Date	Buy-Sell Points	Sell-Buy Points	Outright	Execution ID				
22 Oct 15	0.000	0.000	0.000	Book Roll				
	<input checked="" type="checkbox"/>							

Un-selecting the row did not return it to the previous state.

The primary submit action button has little prominence.

Confusing visual hierarchy.

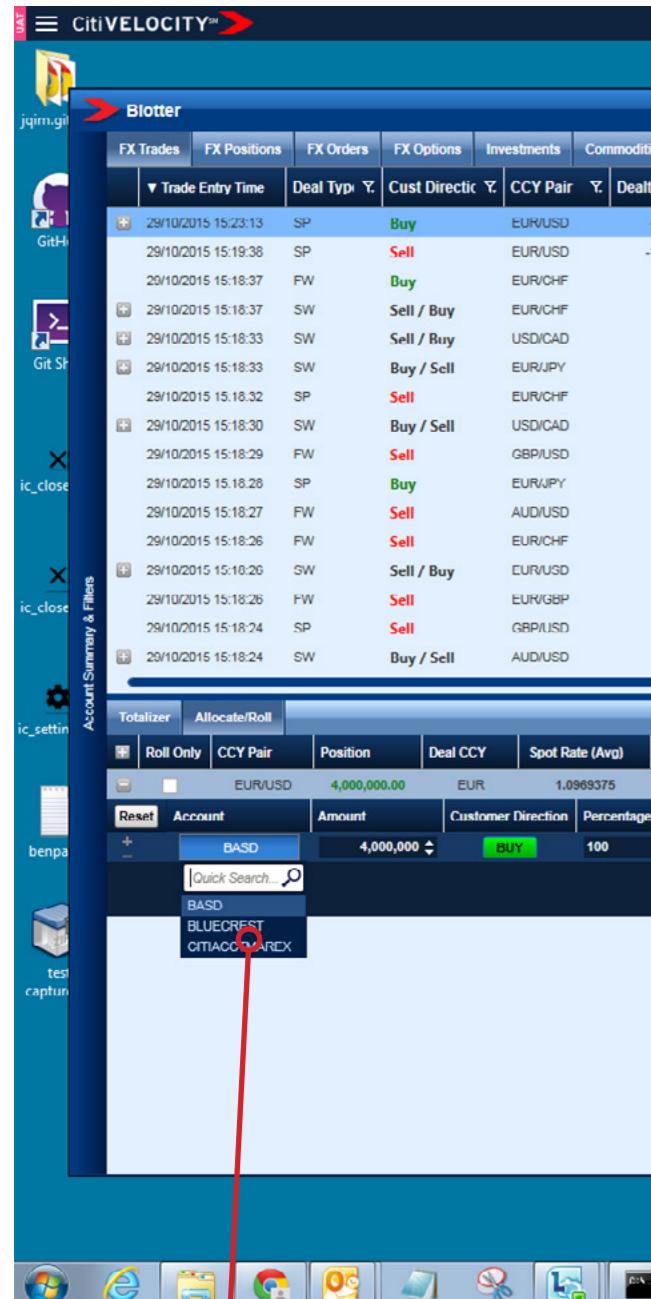
No placeholder text.

Placeholder text describes the action not what goes in the box.

Should be disabled until able to be used.

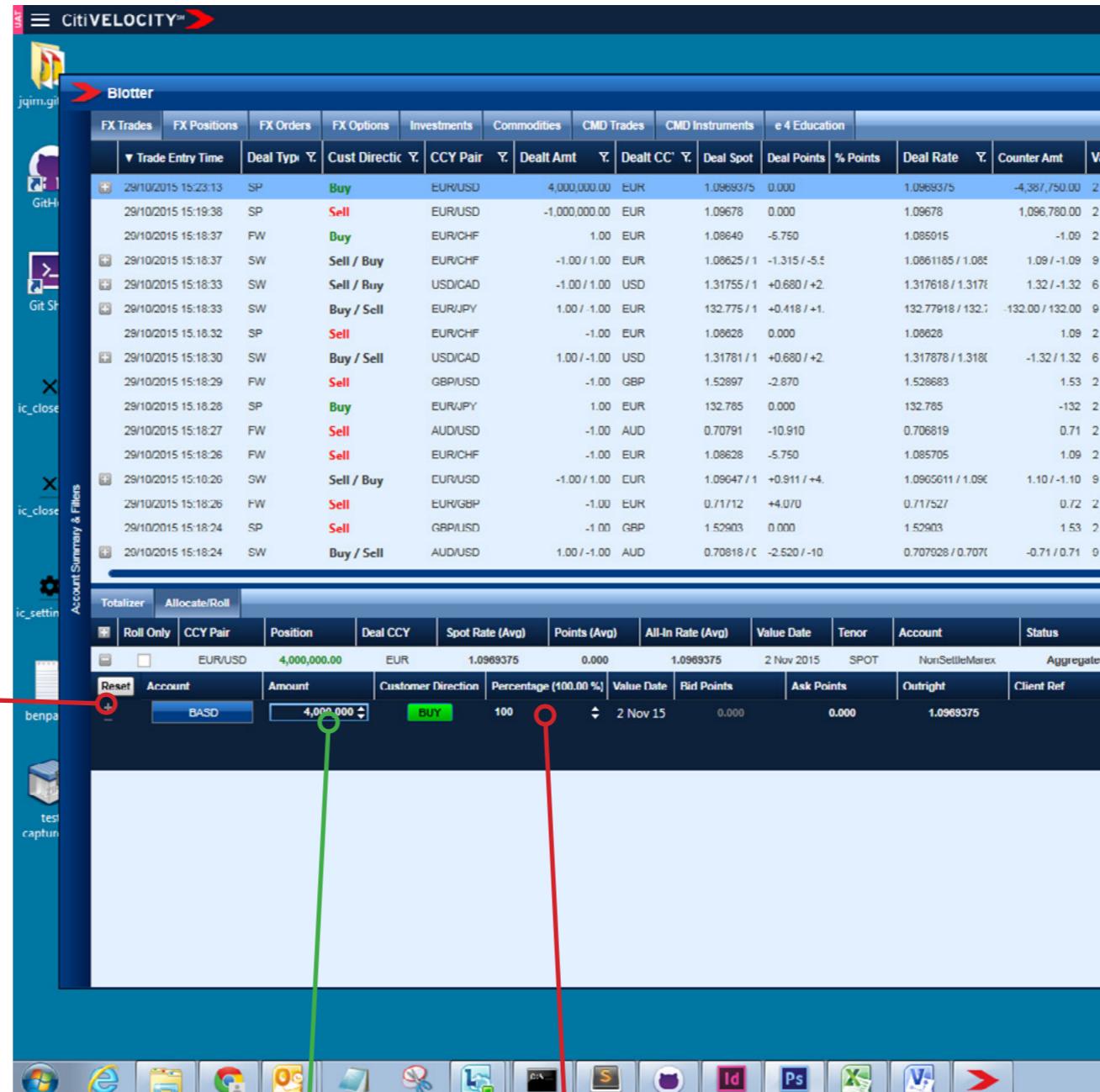
Input amount + account

Entering Account



Looks like only three options are available in the drop-down with an option to string filter.

Entering amount



Good use of standards (spinbox), good formatting of numbers.

Inconsistent with amount input.

Key part of the work flow has little prominence.

CRITICAL PATH STEP 11.01 + 11.02 + 11.03

Click '+' to add another row + input amount + input account

The screenshot shows the CitiVELOCITY Blotter application. The top part displays a grid of trade history with columns for Date, Time, Deal Type, Cust Direction, CCY Pair, Dealt Amt, Dealt CCY, Deal Spot, Deal Points, % Points, Deal Rate, Counter Amt, Value Date, User, Trade Date, Post Trade Status, Account, Order type, Order ID, ID, and Infinity. The bottom part shows an 'Allocate' dialog for a specific trade. The dialog includes fields for Roll Only, CCY Pair (EUR/USD), Position (4,000,000.00), Deal CCY (EUR), Spot Rate (Avg) (1.1000275), Points (Avg) (0.000), All-In Rate (Avg) (1.1000275), Value Date (3 Nov 2015), Tenor (SPOT), Account (NonSettleMarex), Status (Aggregated), Allocation ID (Buy), and Customer Direction (Buy). An 'Allocate' button is at the bottom right. To the left of the dialog is a table with rows for BASD, CITIACCTMAREX, BLUECREST, and another BASD entry. A red circle highlights the '+' button in the first row of this table, which is positioned between a 'Reset' button and a '-' button.

An add button is very small and in between a reset and a remove button, which would have the opposite effect.

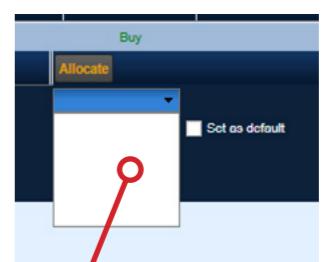
Hard to tell which controls are for which rows.

No feedback / validation of allocations.

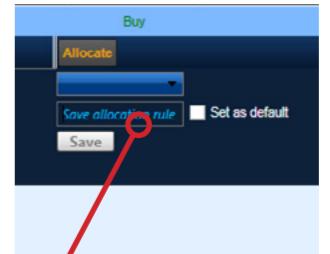
Unclear what the effect changing the direction has.

	USD	1,000,000.00	EUR	1.10110	0.000
	Amount	Customer Direction	Percentage (100.00 %)	Value	
1	400,000	BUY	40	3 Nov 15	
2	400,000	BUY	40	3 Nov 15	
3	250,000	SELL	25	3 Nov 15	
4	450,000	BUY	45	3 Nov 15	

Values appear to equal more than 100%.



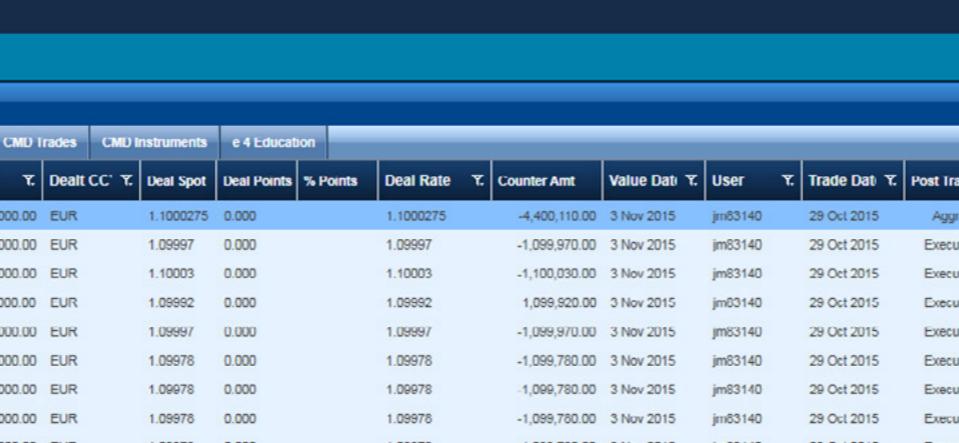
No explanation of why this is empty, so it looks broken.



The text cursor is almost invisible.

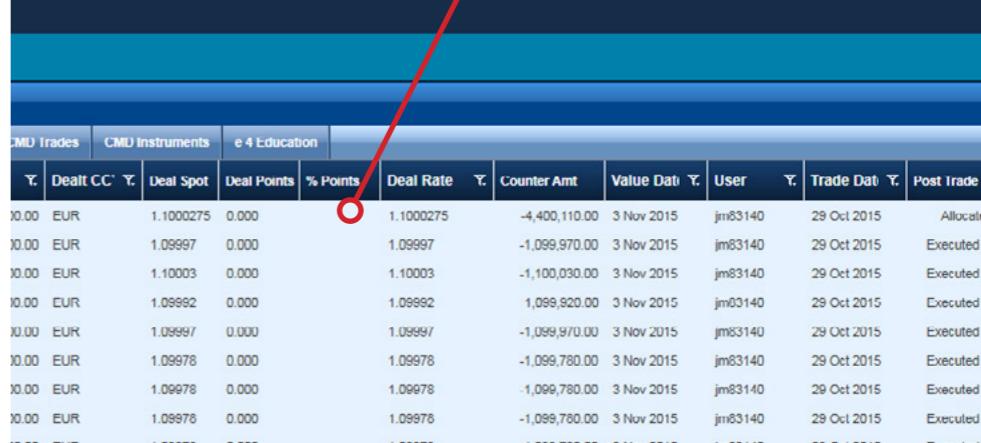
Open blotter

Confirming allocation



The screenshot shows a table of trades with columns: Deal ID, Deal CCY, Deal Spot, Deal Points, % Points, Deal Rate, Counter Amt, Value Date, User, Trade Date, and Post Trade. An 'Allocate' button is located in the header row under the 'Deal CCY' column.

Closing confirmation



The screenshot shows a table of trades with the same columns as the first. A red circle highlights the 'Allocate' button in the header row under the 'Deal CCY' column.

Allocate button looks like part of the column headers.

This is the most prominent button. The styling and position make it look like the primary action button.

Change not prominent

Unnecessary dialogue.

Unnecessary dialogue.