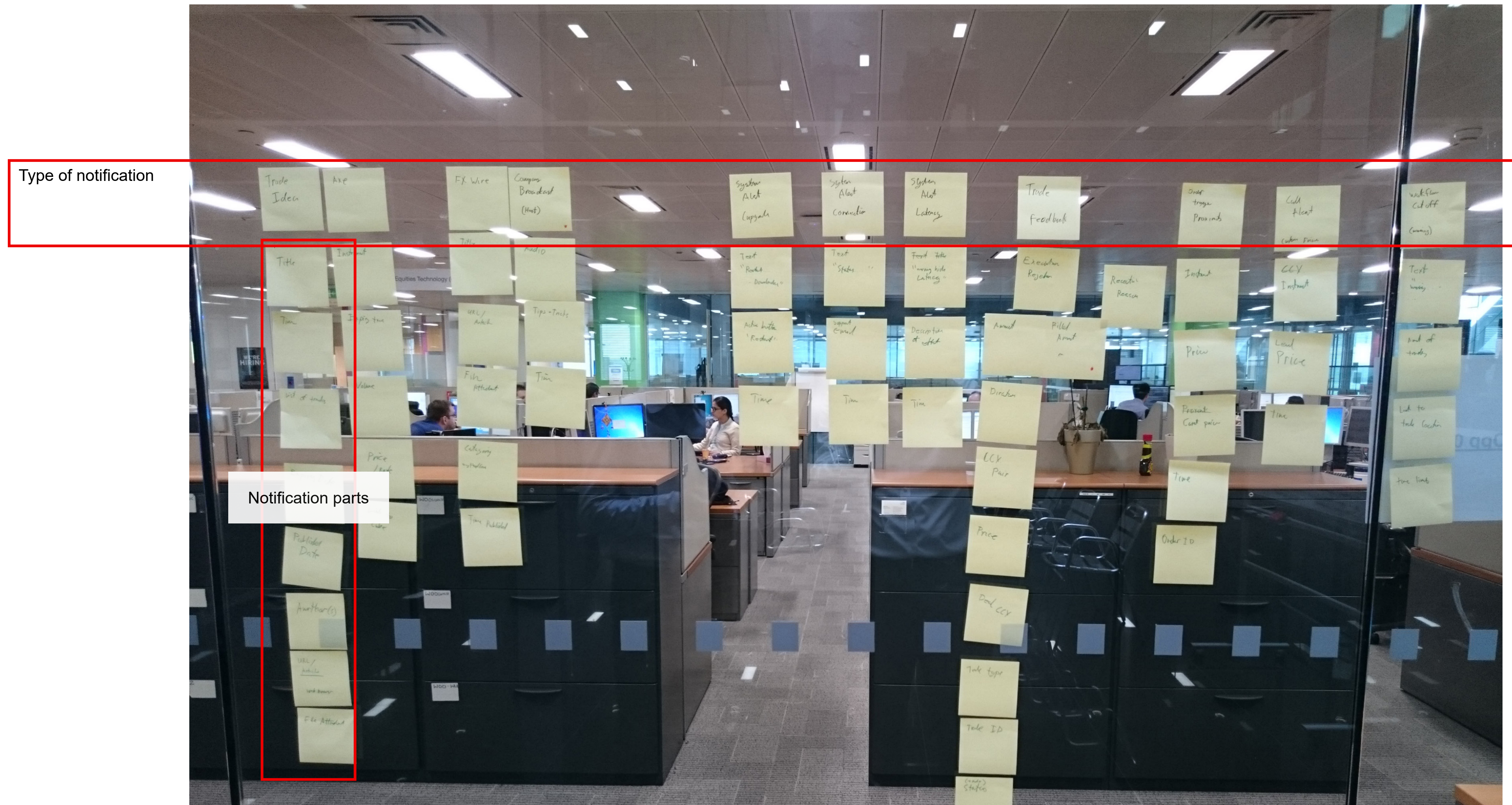


CitiVelocity Trading platform alerts and notification concepts.

A notifications area in any application and very easily become crowded with interruptions.

The following set of images describes the process taken to discover and analyse potential types of notification.

A workshop to discover and record everyone's ideas



Transcribe the session digitally

Trade Idea	Axe	FX Wire	Company Broadcast (hoot)	System Alert: upgrade	System Alert: connection	System Alert: Latency	Trade Feedback	Order Proximity	Call Alert	Workflow Cut-off
Title	Instrument	Title	Audio	Text: Restart app	Text: Status	Text: Warn. High latency	Execution	Instrument	Instrument	Text:Warning...
Time	Time	URL article link	Text: Tips + tricks	Button "restart"	Support email	Text: Description of effect	Amount	Price: Order	Price / Level	Amount of trades
List of Trades	Expiry Date / time	File (.pdf, .doc)	Time	Time	Time	Time	Direction	Price: Market	Time	Link to trades' location
Expiry Date / time	Volume	Category					CCY. Pair	Time		Cut-off time
Published Date	Price / Rate	Time					Price	Trade ID		
Author(s)	Link to cube						Dealt CCY.			
URL article link							Trade Type			
File (.pdf, .doc)							Trade ID			
							Trade Status			
							Link to deal ticket			

Add meaningful groupings to the data

Critical and Urgent

Should be in context
e.g. on execute buttons

System Alert: connection	System Alert: Latency
Time	Time
Text: Status	Text: Warn. High latency
Support email	Text: Description of effect

Important and Urgent

Prominent alerts

Workflow Cut-off	Call Alert	Axe
Time	Time	Time
Text:Warning...	Instrument	Instrument
Amount of trades	Price / Level	Expiry Date / time
Cut-off time		Volume
Link to trades' location		Price / Rate
		Link to cube

Important but not Urgent

Prominent for a short time

Order Proximity	Trade Feedback
Time	Time
Instrument	Amount
Price: Order	Direction
Price: Market	CCY. Pair
Trade ID	Price
	Dealt CCY.
	Trade Type
	Trade Status
	Trade ID

Less Important and not Urgent

Present if sought, clear when a new item arrives

Trade Idea	FX Wire	Company Broadcast (hoot)
Time	Time	Time
Title	Title	Text: Tips + tricks
Expiry Date / time	Category	Audio
Published Date	URL article link	
Author(s)	File (.pdf, .doc)	
URL article link		
File (.pdf, .doc)		
List of Trades		

Edge case

Shown near logout button

System Alert: upgrade
Time
Text: Restart app
Button "restart"

KEY

"you should stop other tasks and see this"

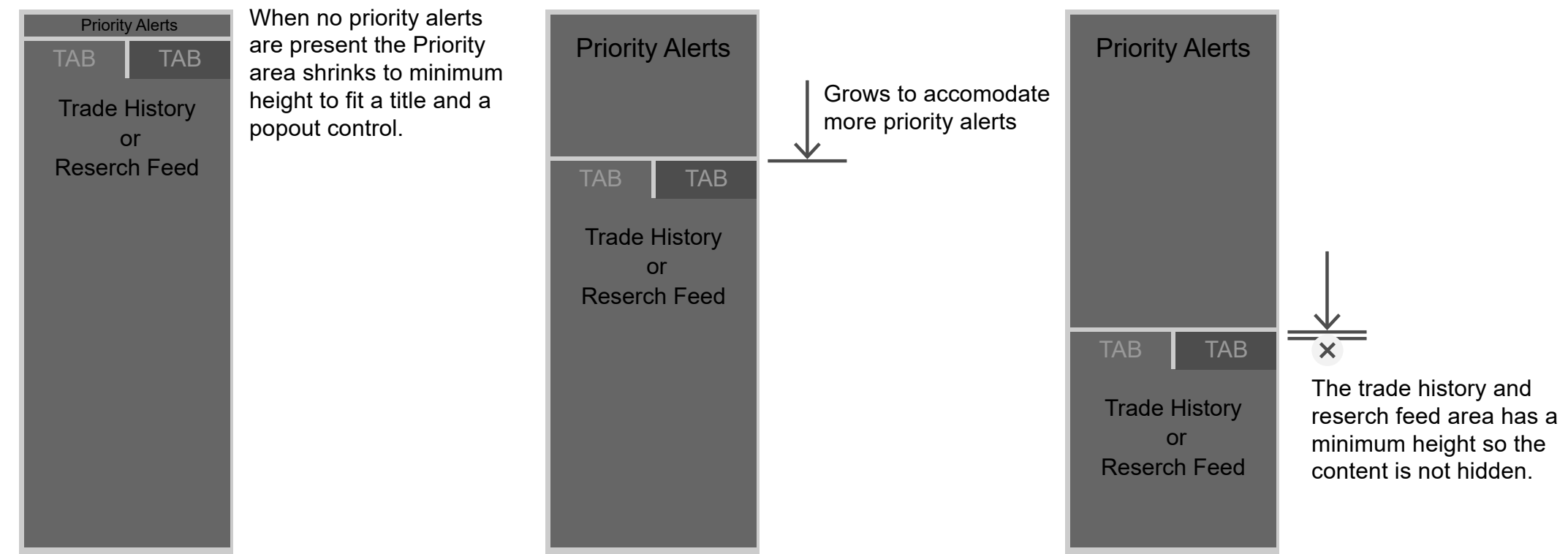
"To continue this task, you need to see this first"

"If you are monitoring this task, here is an update"

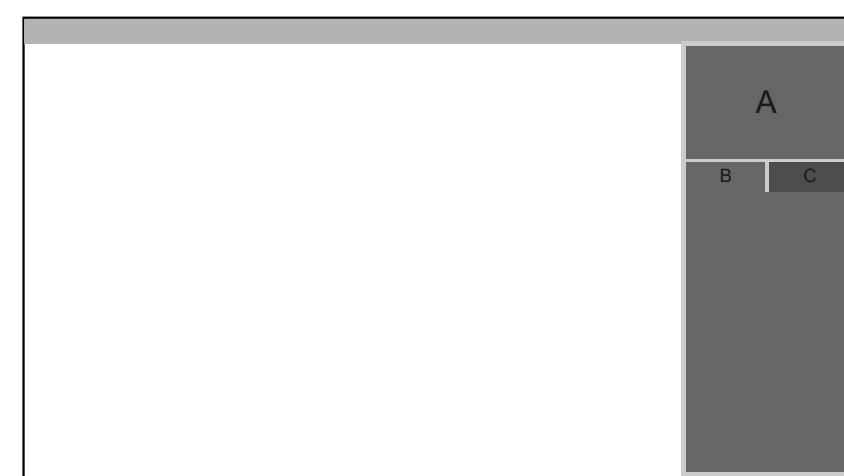
"Confirming your last action happened"

Layout options for the groups of alerts

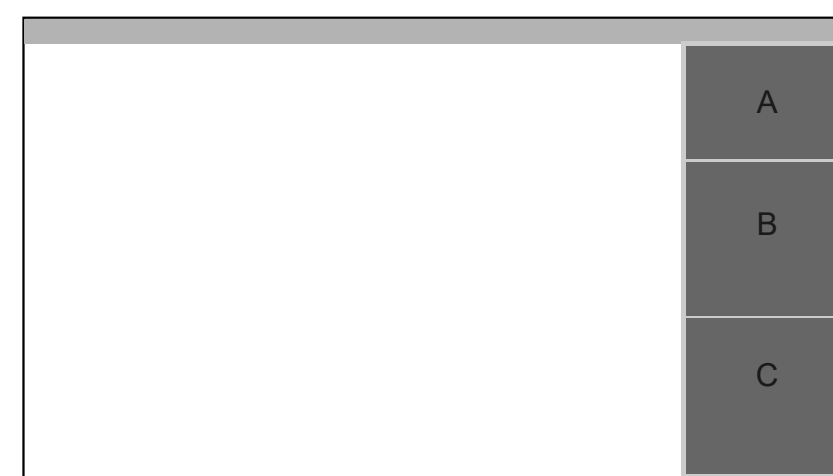
Area behaviors



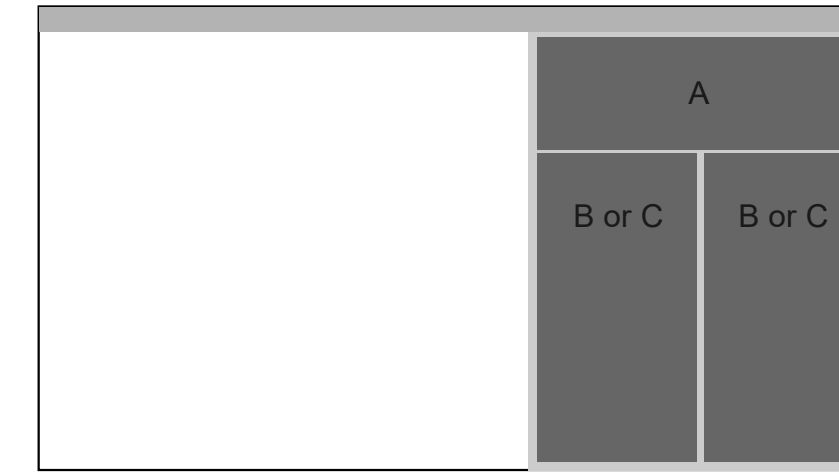
Layout options



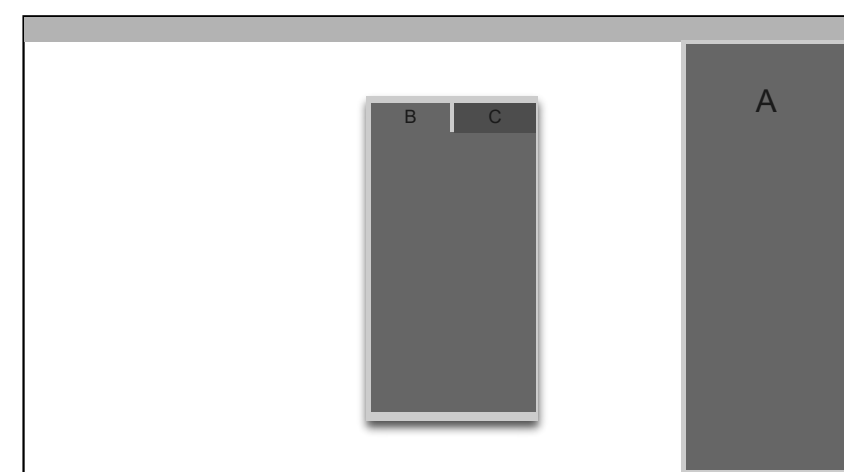
Default (tabs)



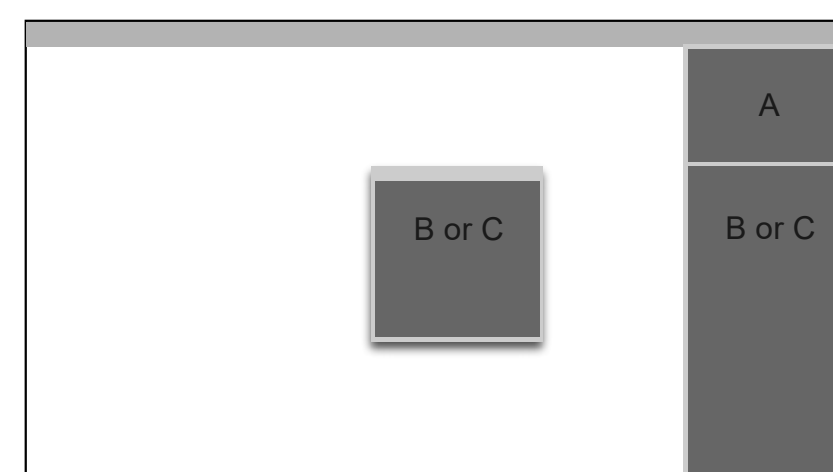
Stacked



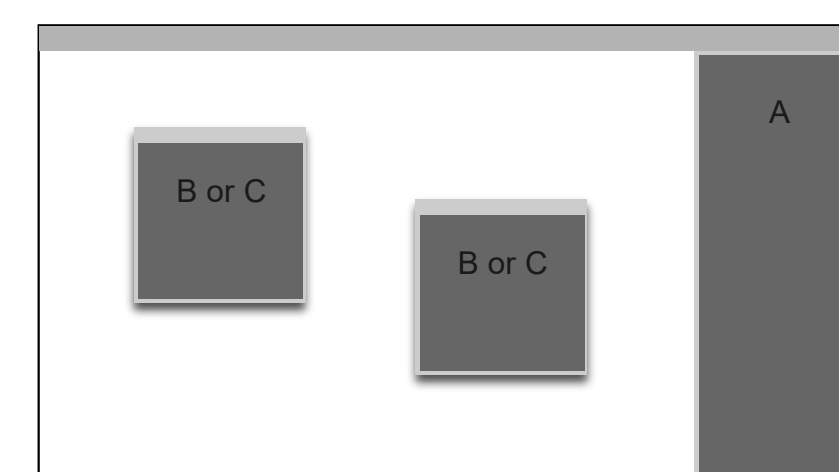
Double width



Tabs popped out



Stacked + 1 popped out



Stacked + 2 popped out

Concept visuals for the separate alert categories

Priority Alerts

14:55

CUT-OFF: Alocations

1hr 5min

×

You have 5 trades in pending allocation. The cut-off for allocations is 16:00.

14:27

AXE

32min

×

EURUSD Buy @1.69723

40m EUR

Trade

15m EUR

14:22

ORDER: to Deskwatch

×

Due to a technical issue 1 order has been moved to Deskwatch.

View in:

Order Monitor

Ticket

Deskwatch contact

T: +44 1904 617943

E: daren.jason@deskwatch.com

14:27

PRICE ALERT

×

EURUSD Buy @1.69723

Order

Workflow Cut-Offs,
Call Alerts, Axes

Trade History

14:55

ORDER: Done

×

EUR/USD SPOT

Bought 1,000,000.00 EUR

@1.06917

14:49

ORDER: Done

×

EUR/USD SPOT

Bought 1,000,000.00 EUR

@1.06917

ORDER: Near Target

×

EUR/USD SPOT

Bought 1,000,000.00 EUR

ORDER: 1.06917

MARKET: 1.06872

Distance 4pts

12:32

ORDER: Rejected

×

EUR/USD SPOT

Buy 1,000,000.00 EUR

@1.06917

12:10

SPOT

×

EUR/USD SPOT

Bought 1,000,000.00 EUR

@1.06917

Order Updates,
Trading Feedback

Reserch Feed

14:55

TRADE IDEA

9 DAYS

×

Sell topside after ECB

Downside digitals for a dovish Draghi Bearish EM Asia FX...

Pawel Zochowski

TRADE IDEA

8 DAYS

×

Options: Bearish EM Asia FX

Trades

Mike Wang

Actions

Monday 15th 2017 11:48

FX WIRE

×

China economy lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer augue...

Mike Lam

10:08

TRADE IDEA

EXECUTED

×

Long Gold/Platinum Digital

Mike Lam

9:20

VELOCITY: TIPS

×

Access the "Quick add" function by pressing "Windows + V"

Add..

Q

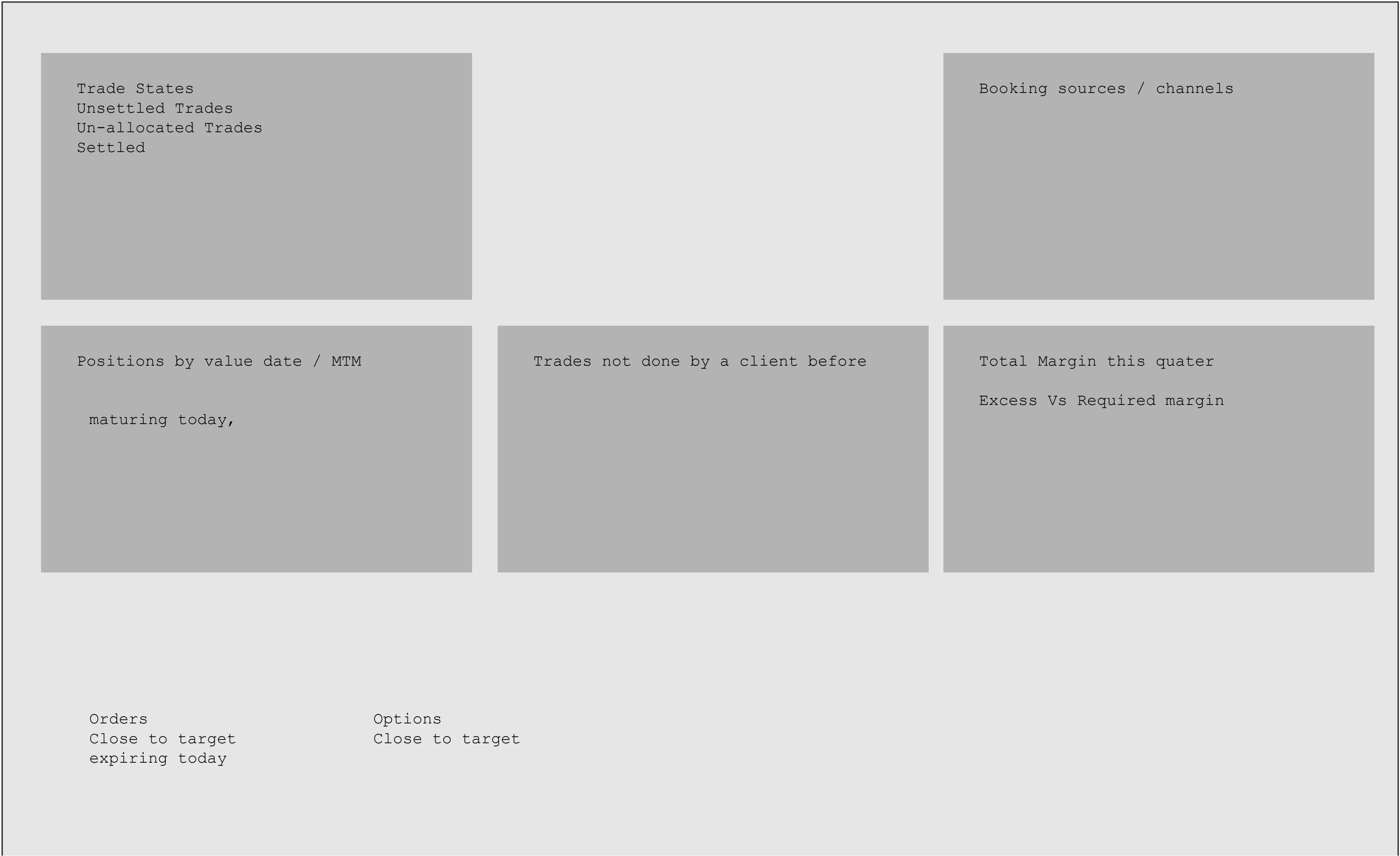
Trade Ideas,
FX Wire articles,
Company Broadcasts

CitiVelocity Trading platform FX trading blotter interaction design.

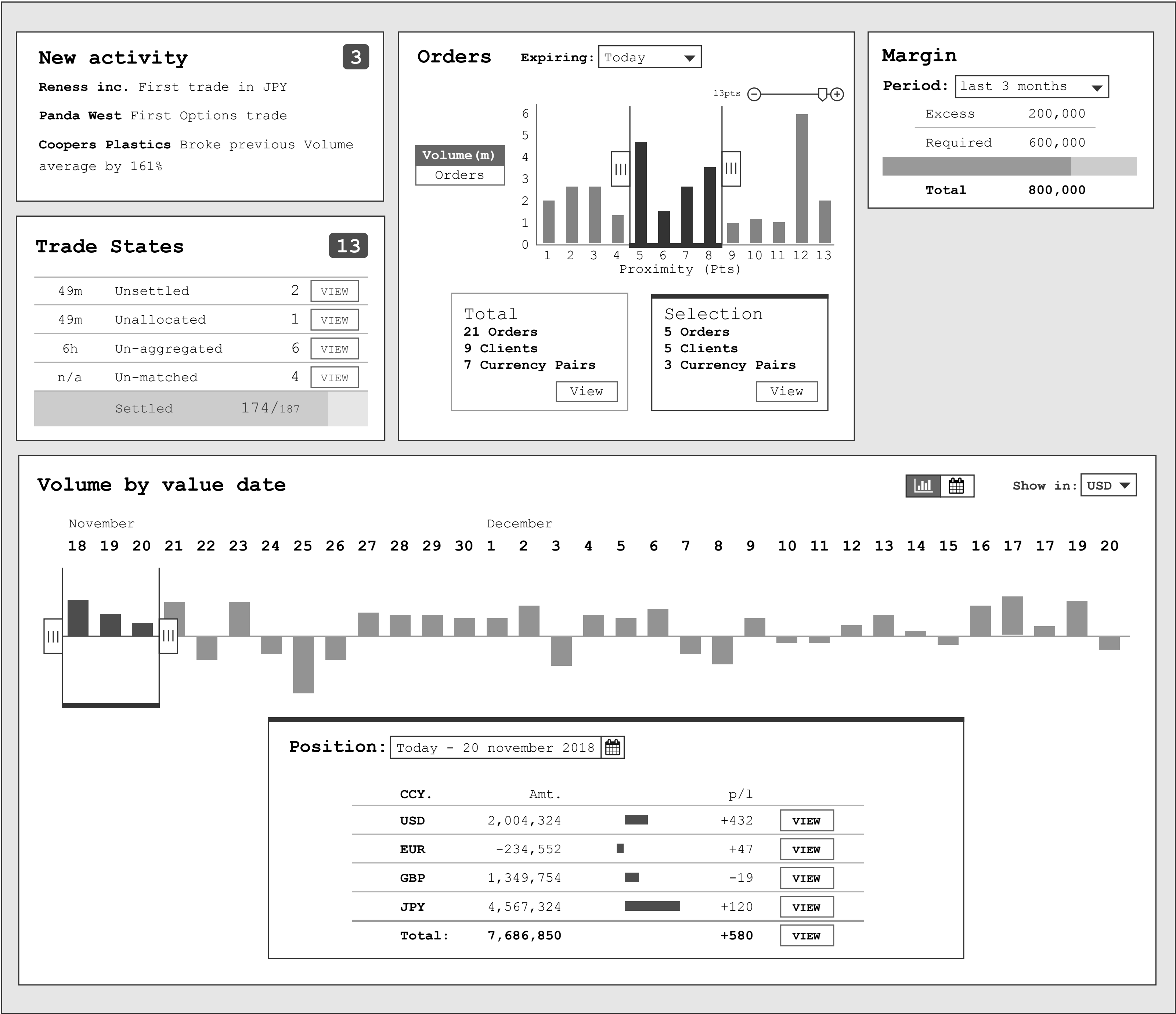
The users needed to be able to access a set of relevant data from the blotter quickly.

The scope was already described as a dashboard. Not only was this option explored but research was also conducted to understand the user needs.

Starting with the contents of the scope document and the research findings. A very basic wireframe was made to aid discussion of scope.



After scope had been refined a more detailed wireframe was made to discuss the interaction and functionality of the dashboard.



Volume by value date

Show in: USD

November

December

18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 17 19 20

Date	Volume
Nov 18	2.5
Nov 19	2.0
Nov 20	1.5
Nov 21	2.5
Nov 22	1.5
Nov 23	2.5
Nov 24	1.5
Nov 25	2.5
Nov 26	1.5
Nov 27	2.5
Nov 28	1.5
Nov 29	2.5
Nov 30	1.5
Dec 1	2.5
Dec 2	1.5
Dec 3	2.5
Dec 4	1.5
Dec 5	2.5
Dec 6	1.5
Dec 7	2.5
Dec 8	1.5
Dec 9	2.5
Dec 10	1.5
Dec 11	2.5
Dec 12	1.5
Dec 13	2.5
Dec 14	1.5
Dec 15	2.5
Dec 16	1.5
Dec 17	2.5
Dec 18	1.5
Dec 19	2.5
Dec 20	1.5

Position: Today - 20 november 2018

CCY.	Amt.	p/l	
USD	2,004,324	+432	VIEW
EUR	-234,552	+47	VIEW
GBP	1,349,754	-19	VIEW
JPY	4,567,324	+120	VIEW
Total:	7,686,850	+580	VIEW

A hybrid visual of existing software and wireframed functionality to show how the concept would fit into existing work.

Blotter

Home

FX Trades

FX C

Q

Honda

×

+

☆

▼

FAVORITES

Honda

Honda + Mitsubishi

EUR clients

Phillip Richardson's west coast clients

DEFAULT

My Clients

My Desks Clients

Show

Unsettled

Traded by

Me

Search

	Direction	CCY Pa		Trade Time	Spot Rate	Fwd Pts	Counter C			
Buy	EUR/J			016 29 Jan 2016 15:14:42	131.732	0.0	JPY			
Buy	NZD/U			016 29 Jan 2016 15:14:38	0.64955	0.0	USD			
Buy	GBP/U			016 29 Jan 2016 15:14:36	1.42317	0.0	USD			
Sell	GBP/U			016 29 Jan 2016 15:14:33	1.42284	0.0	USD			
Sell	EUR/G			016 29 Jan 2016 15:14:10	0.76149	0.0	GBP			
Sell	EUR/N			016 29 Jan 2016 15:14:08	9.4279	0.0	NOK			
Sell	EUR/USD	EUR	-1,000,000.00	1.08366	2 Feb 2016 29 Jan 2016 15:14:07	1.08366	0.0	USD		
Sell	GBP/USD	GBP	-1,000,000.00	1.42276	2 Feb 2016 29 Jan 2016 15:14:07	1.42276	0.0	USD		
Buy	USD/CAD	USD	1,000,000.00	1.40171	1 Feb 2016 29 Jan 2016 15:14:05	1.40171	0.0	CAD		
Sell	USD/JPY	USD	-1,000,000.00	121.563	2 Feb 2016 29 Jan 2016 15:14:04	121.563	0.0	JPY		
⊕	Sell / Buy	EUR/USD	EUR	1,000,000.00	1.07343 / 1.0818224	8 Jan 2016 / 8 Sep 2016	06 Jan 2016 10:15:47	1.07343 / 1.07343	0.000 / +83.924	USD

Total Trades: 12

Selected Trades: 3

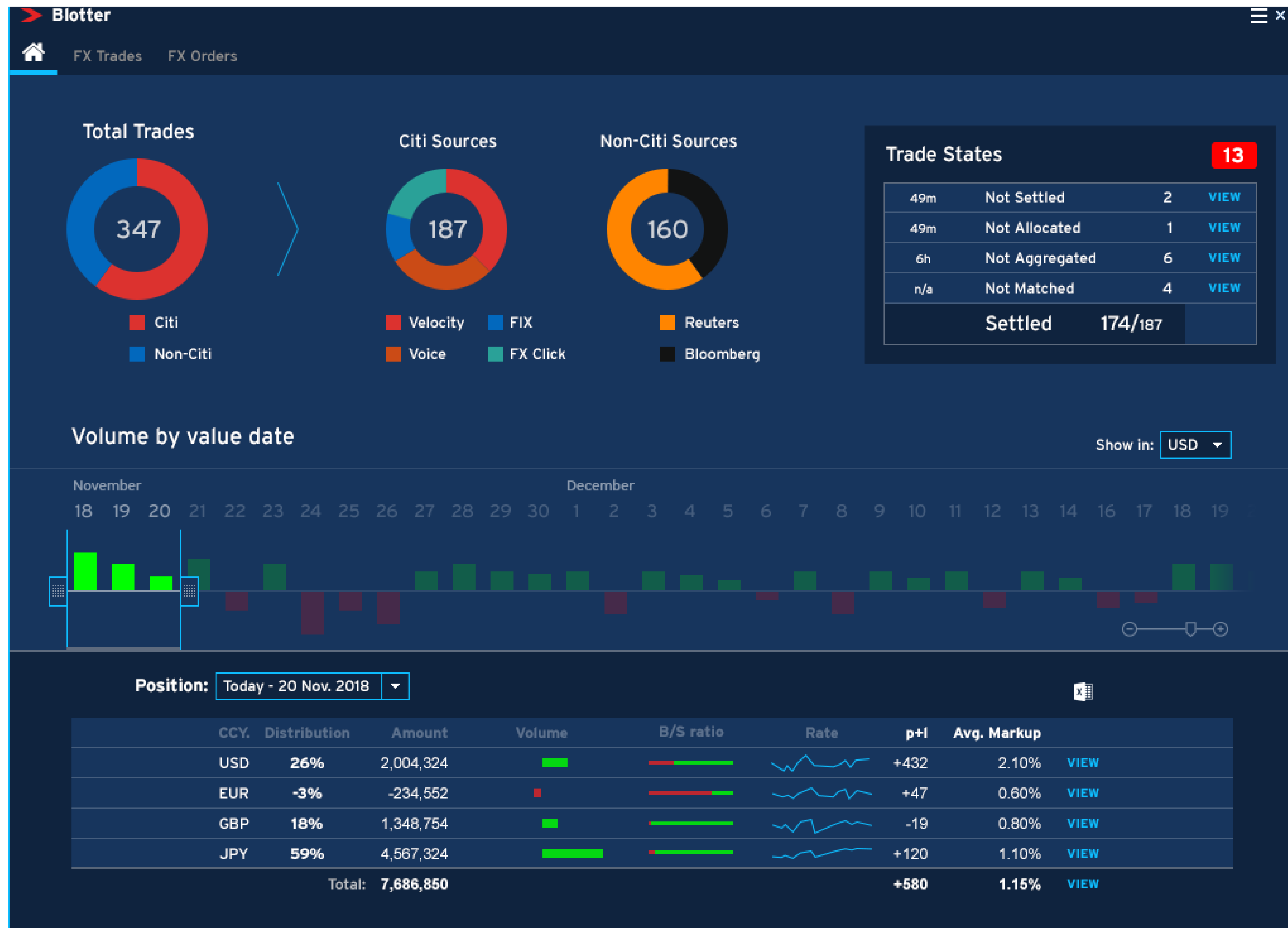
Selected Multiple

100%

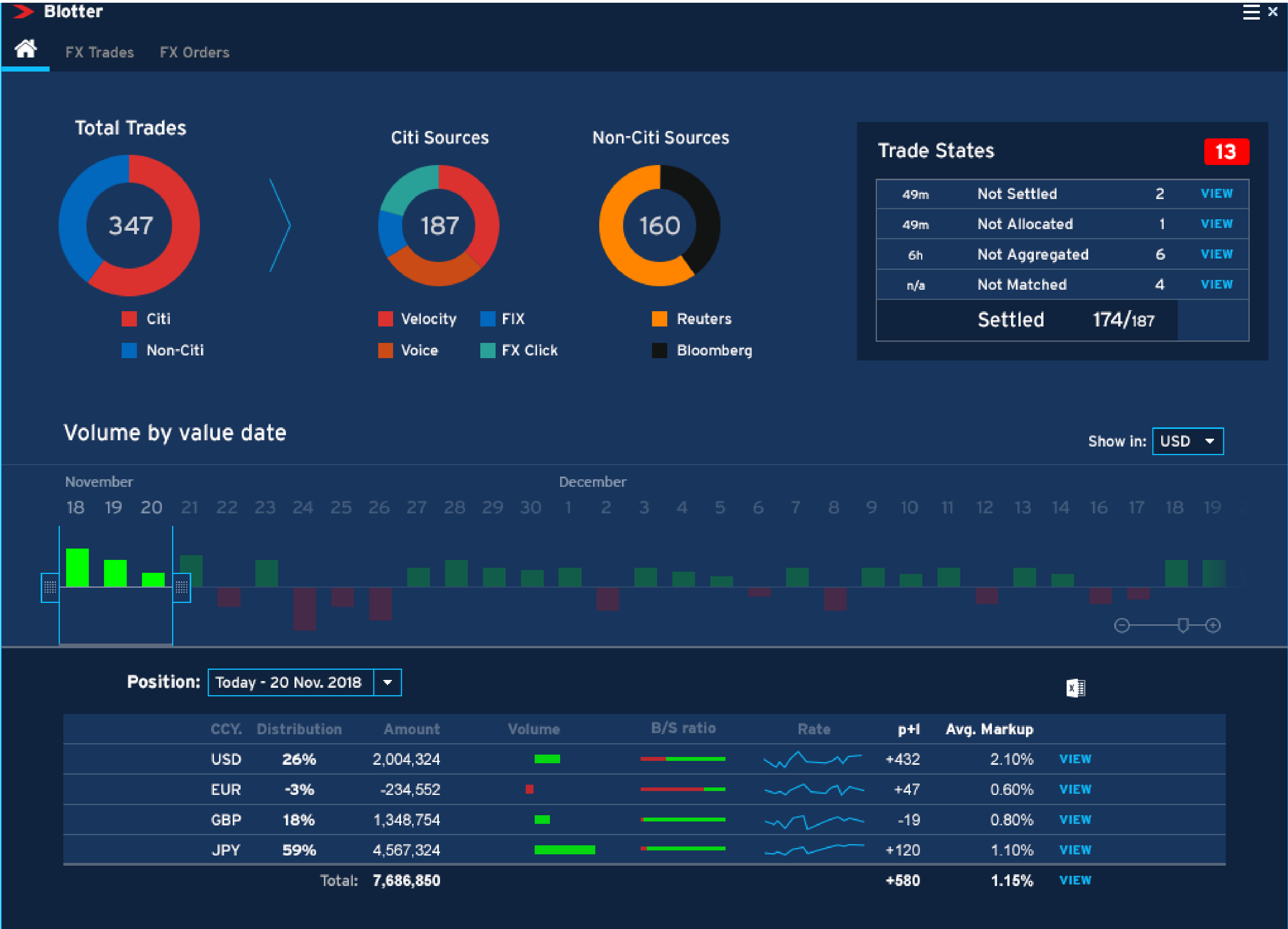
⊖

⊕

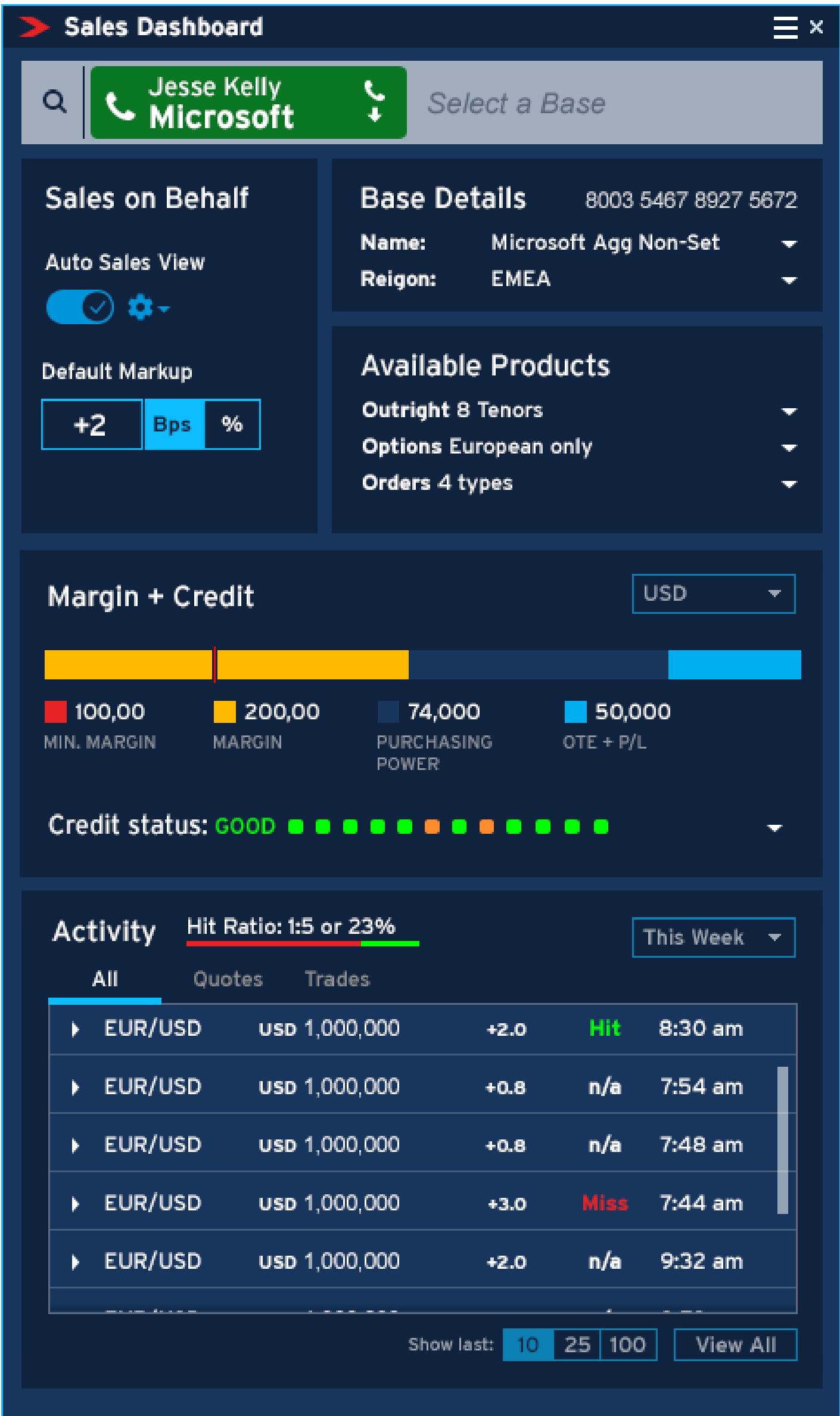
A Hi-fidelity visual of the dashboard concept



The features split into discreet areas that are tailored to the users tasks and modes of work.



This area is for analysis and reporting



This area is for responding to clients on the phone

CitiVelocity Trading platform FX trading blotter interaction design.

Working within an existing visual design language I designed the interactions in high fidelity to add new features to an existing blotter.

The following workflow describes functionality that allows the user to save and load views of a blotter that includes the settings for:

- Sorting
- Filtering
- Visible columns

A view of the blotter with a saved view loaded

Blotter

FX Trades

FX Orders

My EUR Clients

Save

Filters:

Unsettled

My Clients

Account (3)

This week

+

Search

18 Columns

Blotter Views

DEFAULTS

All My Trades

All Unsettled

SAVED

My EUR Clients

> 7m USD this week

2-7m USD this week

Deskwatch only

360T trades

Navya Sen's clients

Direction	CCY. Pair	Dealt CCY.	Dealt Amount	All-in Rate	Value Date	eChannel	Trade Time	Spot Rate	Fwd. Pts.	Counter CCY.	Counter amount	Trade Type	Account
					21 July 18								
					21 July 18								
					22 July 18								
					23 July 18								
					23 July 18								
					24 July 18								
					24 July 18								
					24 July 18								
					25 July 18								

Total Trades: 18

100%

Hovering over a saved view in the side panel previews the filters it will apply.

Blotter

FX TradesFX Orders

All My TradesSaveFilters:UnsettledMy Clients22 Columns

Blotter Views

DEFAULTS

All My Trades

All Unsettled

SAVED

My EUR Clients

> 7m USD this week

2-7m USD this week

Deskwatch only

360T trades

Navya Sen's clients

Direction	CCY. Pair	Dealt CCY.	Dealt Amount	All-in Rate	Value Date	eChannel	Trade Time	Spot Rate	Fwd. Pts.	Counter CCY.	Counter amount	Trade Type	Acco
					21 July 18								
					21 July 18								
					22 July 18								
					23 July 18								
					23 July 18								
					24 July 18								
					24 July 18								
					24 July 18								
					25 July 18								

Total Trades: 18100%..

One of the default views (All My Trades) loaded.

Blotter

FX TradesFX Orders

≡ All My TradesSaveFilters:UnsettledMy Clients+

Search

22 Columns

Blotter Views	Direction	CCY. Pair	Dealt CCY.	Dealt Amount	All-in Rate	Value Date	eChannel	Trade Time	Spot Rate	Fwd. Pts.	Counter CCY.	Counter amount	Trade Type	Account
DEFAULTS														
All My Trades														
All Unsettled														
SAVED														
My EUR Clients														
> 7m USD this week														
2-7m USD this week														
Deskwatch only														
360T trades														
Navya Sen's clients														

Total Trades: 18100%..

NEXT

Configure the visible columns.

Blotter

FX TradesFX Orders

≡ All My TradesSaveFilters:UnsettledMy Clients+

Blotter Views

DETAILS

All My Trades

All Unsettled

SAVED

My EUR Clients

1 Trn USD this week

2 Trn USD this week

Deskwatch only

36017 trades

Norpa Ben's clients

Direction	CCY Pair	Dealt CCY	Dealt Amount	All-in Rate	Value Date	eChannel	Trade Time	Spot Rate	Fwd Pts	Counter

Search Columns

☒ (Select All)

☒ Direction

☒ CCY Pair

☒ Dealt CCY

☒ Dealt Amount

☒ All-in Rate

☒ Value Date

☒ Trade Time

☒ Spot Rate

☒ Fwd Pts

☒ Counter CCY

☒ Counter Amount

☒ Trade Type

☒ Account

☒ User

☒ Status

☒ Executed Rate

☐ % Points

☐ Comment

☐ Count

☐ Counterparty

☐ Desk

☐ Entered On

☐ Fixing Date

☐ Fixing Source

☐ Fund

☐ Id

☐ InfinityCable Block ID

☐ InfinityCable Client Ref

☐ Last Update Time

☐ Leg Id

☐ NetPV (USD)

☐ Order Id

☐ Order Sub Type

☐ Show horizontal grid lines

☐ Use light background

ApplyResetCancel

Total Trades: 18

Click column header or the plus icon to the right of the filters to add a new filter.

Once a change is made to a default, the view becomes "Unsaved"

[illegible]

Click column header or the plus icon to the right of the filters to add a new filter.

[illegible]

The applied filter now appears as a new pill at the end of the filters row.

[illegible]

Select the filter to only show values for “this week”

Blotter
FX Trades
FX Orders

Unsaved
Save
Filters:
Unsettled
My Clients
360T x
+
Search
18 Columns

Blotter Views

 DEFAULTS

All My Trades

All Unsettled

 SAVED

My EUR Clients

> 7m USD this week

2-7m USD this week

Deskwatch only

360T trades

Navya Sen's clients

Direction	CCY. Pair	Dealt CCY.	Dealt Amount	All-in Rate	Value Date	Channel	Trade Time	Spot Rate	Fwd. Pts.	Counter CCY.	Counter amount	Trade Type	Account

Total Trades: 18
 100%

The active filters are shown in the filter bar and as highlighted column headers.

Blotter

FX Trades

FX Orders

Unsaved

Save

Filters:

Unsettled

My Clients

360T

Valued This Week

+

Search

18 Columns

Blotter Views

DEFAULTS

All My Trades

All Unsettled

SAVED

My EUR Clients

> 7m USD this week

2-7m USD this week

Deskwatch only

360T trades

Navya Sen's clients

Direction

CCY. Pair

Dealt CCY.

Dealt Amount

All-in Rate

Value Date

eChannel

Trade Time

Spot Rate

Fwd. Pts.

Counter CCY.

Counter amount

Trade Type

Account

21 July 18

360T

21 July 18

360T

22 July 18

360T

23 July 18

360T

23 July 18

360T

24 July 18

360T

24 July 18

360T

24 July 18

360T

25 July 18

360T

Total Trades: 18

100%

A modal to give the view a name before it can be saved.

Because the view is unsaved the user is asked to give a name for the new view.



Now the new saved view appears at the top of the list and is currently selected.

Blotter

FX Trades

FX Orders

My 360t Val. ThisWeek

Save

Filters:

Unsettled

My Clients

360T

Valued This Week

+

Search

18 Columns

Blotter Views	Direction	CCY. Pair	Dealt CCY.	Dealt Amount	All-in Rate	Value Date	eChannel	Trade Time	Spot Rate	Fwd. Pts.	Counter CCY.	Counter amount	Trade Type	Account
DEFAULTS						21 July 18	360T							
All My Trades						21 July 18	360T							
All Unsettled						22 July 18	360T							
						23 July 18	360T							
SAVED						23 July 18	360T							
My 360t Val. ThisWeek						24 July 18	360T							
My EUR Clients						24 July 18	360T							
> 7m USD this week						24 July 18	360T							
2-7m USD this week						25 July 18	360T							
Deskwatch only														
360T trades														
Navya Sen's clients														

Total Trades: 18

100%

Dragging the name of a blotter view to re-order the list.

Blotter

FX TradesFX Orders

My 360t Val. ThisWeekSaveFilters:UnsettledMy Clients360TValued This Week

Search18 Columns

Blotter Views

DEFAULTS

All My Trades

All Unsettled

SAVED

My 360t Val. ThisWeek

My EUR Clients

> 7m USD this week

2-7m USD this week

Deskwatch only

360T trades

My 360t Val. ThisWeek

Navya Sen's client

Direction	CCY. Pair	Dealt CCY.	Dealt Amount	All-in Rate	Value Date	eChannel	Trade Time	Spot Rate	Fwd. Pts.	Counter CCY.	Counter amount	Trade Type	Acco
					21 July 18	360T							
					21 July 18	360T							
					22 July 18	360T							
					23 July 18	360T							
					23 July 18	360T							
					24 July 18	360T							
					24 July 18	360T							
					24 July 18	360T							
					25 July 18	360T							

Total Trades: 18

100%

List of Saved views now reordered.

Blotter

FX TradesFX Orders

My 360t Val. ThisWeekSaveFilters:UnsettledMy Clients360TValued This Week

Search18 Columns

Blotter Views

DEFAULTS

All My Trades

All Unsettled

SAVED

My EUR Clients

> 7m USD this week

2-7m USD this week

Deskwatch only

360T trades

My 360t Val. ThisWeek

Navya Sen's clients

Direction	CCY. Pair	Dealt CCY.	Dealt Amount	All-in Rate	Value Date	eChannel	Trade Time	Spot Rate	Fwd. Pts.	Counter CCY.	Counter amount	Trade Type	Acco
					21 July 18	360T							
					21 July 18	360T							
					22 July 18	360T							
					23 July 18	360T							
					23 July 18	360T							
					24 July 18	360T							
					24 July 18	360T							
					24 July 18	360T							
					25 July 18	360T							

Total Trades: 18

100%

Saved views can be deleted by clicking the cross that appears on hover.

Options under the split button dropdown.

Blotter

FX TradesFX Orders

My 360t Val. ThisWeek

Save

Filters:UnsettledMy Clients360TValued This Week

Search

18 Columns

Blotter Views

DEFAULTS

All My Trades

All Unsettled

SAVED

My EUR Clients

> 7m USD this week

2-7m USD this week

Deskwatch only

360T trades

My 360t Val. ThisWeek

Navya Sen's clients

		CCY. Pair	Dealt CCY.	Dealt Amount	All-in Rate	Value Date	eChannel	Trade Time	Spot Rate	Fwd. Pts.	Counter CCY.	Counter amount	Trade Type	Acco
						21 July 18	360T							
						21 July 18	360T							
						22 July 18	360T							
						23 July 18	360T							
						23 July 18	360T							
						24 July 18	360T							
						24 July 18	360T							
						24 July 18	360T							
						25 July 18	360T							

Total Trades: 18

100%

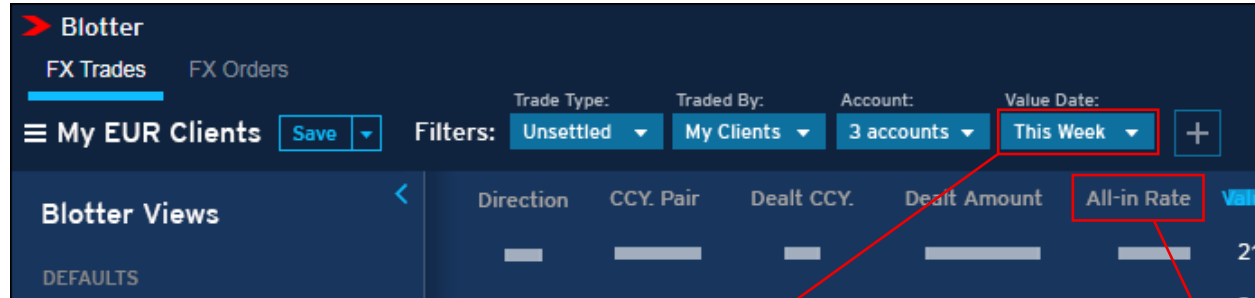
CitiVelocity Trading platform sorting and filtering detailed specifications.

Continuing from the overall interaction framework of the new blotter features, detailed specifications are described below for a standardised set of flexible components to sort and filter any type different types of data.

Sort and Filter framework

Description

Opened by clicking:



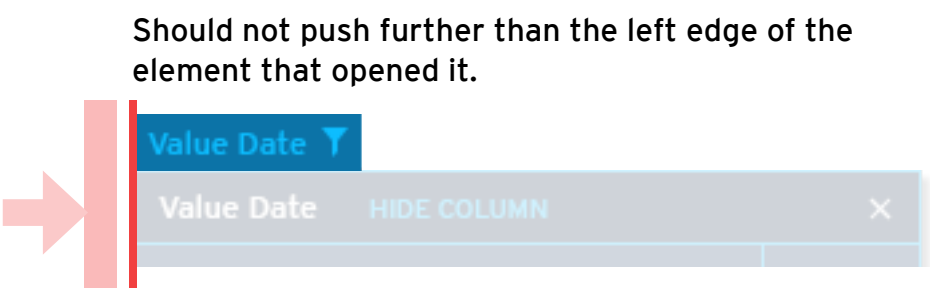
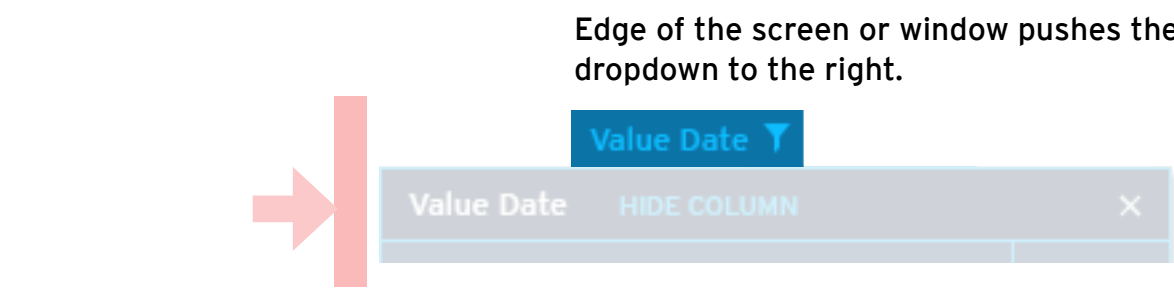
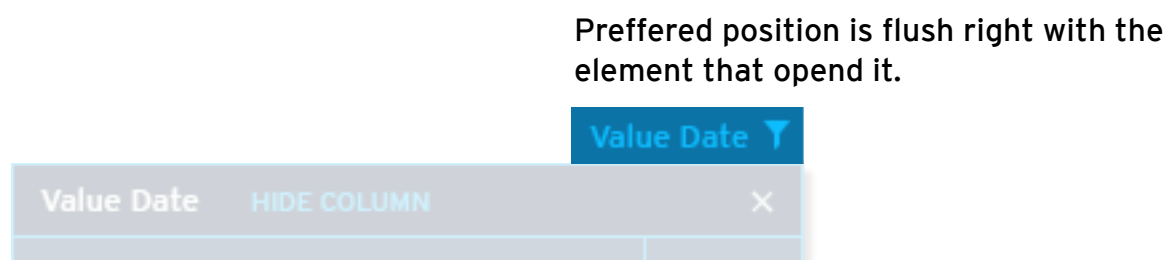
A filter pill



A column header

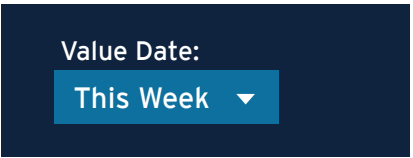


Positioning



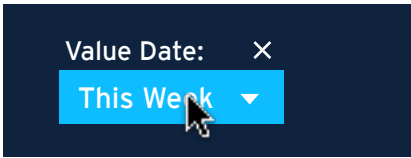
Hover States of pills

Normal



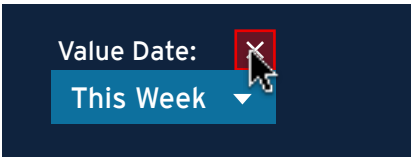
Close Icon hidden to reduce visual clutter. Dropdown background 50% opacity.

Hover



Close Icon becomes visible. Dropdown background 100% opacity.

Hover Close icon



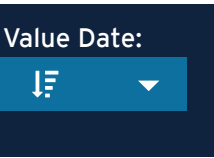
Close Icon gains border and background colour.

Status indication in the pills

Filter Only



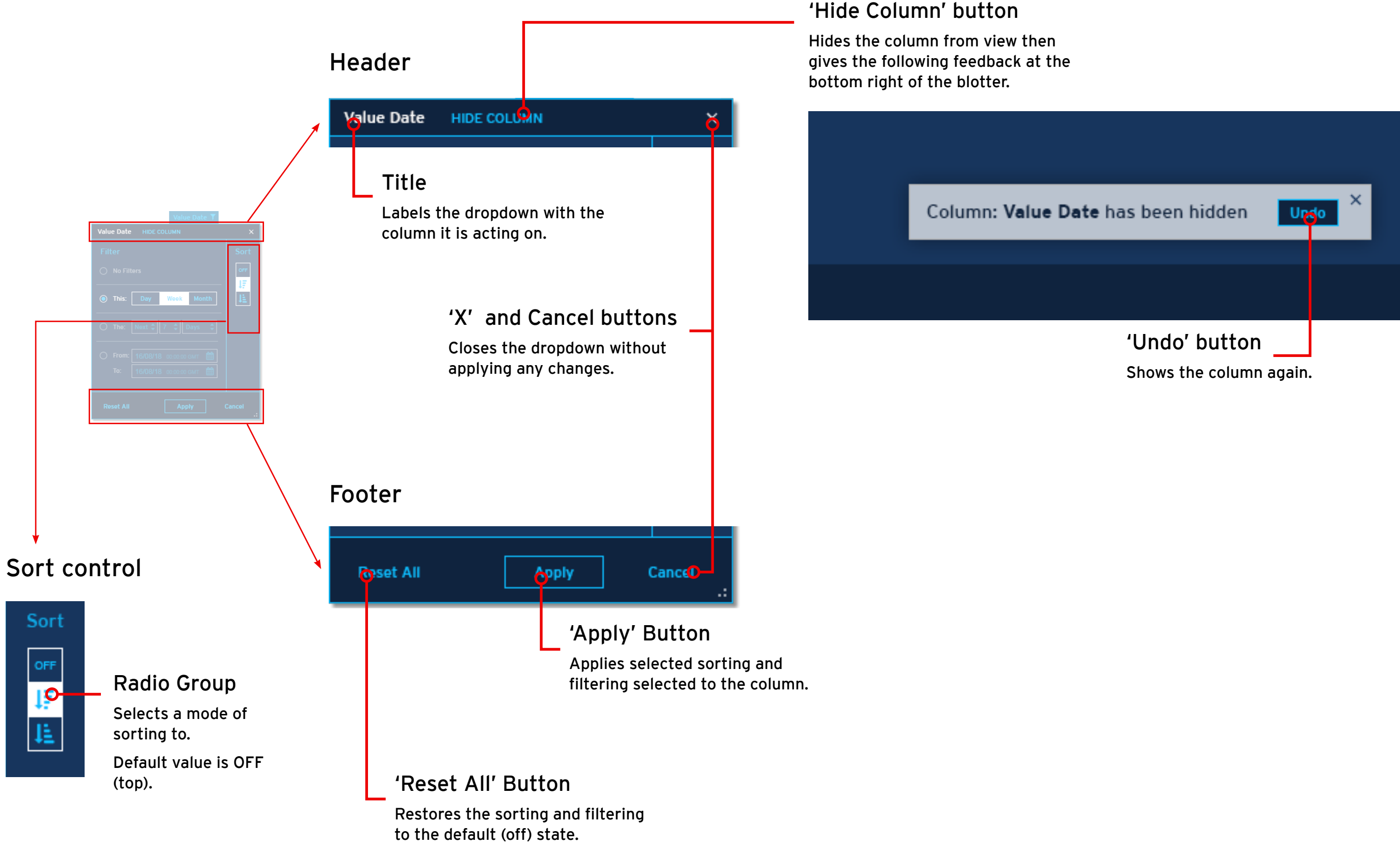
Sort Only



Filter and Sort



Common attributes



Description

Time and date filter

Value Date

HIDE COLUMN

Filter

No Filters

This:

Day

Week

Month

The:

Next

7

Days

From:

16/08/18

00:00 GMT

To:

16/08/18

00:00 GMT

Sort

OFF

Reset All

Apply

Cancel

Radio Group

Selects one of the visible values.
Default value is Day.

Date Only

16/08/18

1. Value date
2. Trade Date
3. Entered On
4. Fixing Date

Date Only

16/08/18 00:00:00 GMT

1. Trade time
2. Last Update Time

Radio Group

Selects a mode of sorting to.
Default value is OFF (top).

'Next' Toggle/selectbox

Select from:
• Next
• Last
Default value depends on the coloum.

'7' Spinbox

Select a number between 1 and 31
Default value is 7.

'Days' Toggle/selectbox

Select from:
• Days
• Months
• Years
Default value is Days.

Date Picker

Opens a standard Date or Date and Time picker. Time is only shown when relevant.
The default value is the present day/time.

Description

String filter

Search

Filters the items in the list selection box below to those that contain the entered text.

Tri-State checkbox

Is a control for and reflects the status of the rest of the items.

Empty	Partial	Checked
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Item checkbox

A checkbox for each unique item in the column to be filtered.

eChannel

HIDE COLUMN

X

Filter

Search eChannel

OFF

Sort

☒ All

☐ Velocity

☒ 360T

☐ FX Connect

☐ FXall

☐ Citi FX Pulse

☐ Currenex

☐ Bloomberg

☐ RTFX

☐ FIX API

☐ WiFX

☐ DFT

Reset All

Apply

Cancel

NOTE: The Apply button is only active if one or more items are checked for filtering.

- TEXT ONLY STRING
1. Direction
 2. CCY Pair
 3. Dealt CCY
 4. Counter CCY
 5. Trade Type
 6. Status
 7. Order Sub Type
 8. Fund
 9. Desk
- NUMERIC STRING
10. USI Prefix
- ALPHANUMERIC STRING
11. USI ID
 12. Original ID
 13. Order Id
 14. Id
 15. Account
 16. User
 17. Leg ID
 18. Comment
 19. Counterparty
 20. Infinity Cable Block ID
 21. Fixing Source
 22. Infinity Cable Client Ref.
 23. Tenor

Amount filter

Show in Currency

The amounts are rationalized to a single currency that can be selected.

Checkboxes

Sets the filter rule on or off for the row.

Amount

HIDE COLUMN

X

Filter

Show in: USD

OFF

Sort

☒ Equal to or Greater than: 100,000,000.00

☒ Equal to or Less than: 100,000,000.00

Reset All

Apply

Cancel

Ordinal Data

- FORMATTED NUMBER (ACCOUNTING)
1. Dealt Amount
 2. Counter amount
 3. Net PV (USD)

- FORMATTED NUMBER (RATE)
4. All-in rate
 5. Spot rate
 6. Fwd pts
 7. Executed Rate
 8. Last spot rate

- FORMATTED NUMBER (%)
9. % Points

- INTERVAL
10. Count