

JAMAPUNJI – STOCK TRADING SIMULATOR

TUTORIAL

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About this Document

This document is about the features and functionality of Jamapunji Stock Trading Simulator though which a user can place order either buy or sell and perform trades along with the functionality to view market stats in real time. This document intends to guide the user of the application about all views and windows along with customization options available so that user of the application can use it effectively.

Audience

This document is all about the features and usage of Jamapunji – Stock Trading Simulator. It is intended for all the users of online trading.



Introduction

Jamapunji – Stock Trading Simulator is an online trading application that offers the ability to buy and sell shares and stock information in real time. The Trading Terminal is a browser supported system and application based on JAVA which supports Google Chrome, Mozilla Fire Fox ,IE9, Opera and Safari.



Startup

After verification of the user name and password, application will load the main page. The Main page consists of all the information required for the user.



Figure 1: Application Startup

Field	Function
	If user properly connected, the button will turned Green on successful
	connectivity.
	If connections are not established properly with the servers, than button
· •	will turned red, that indicates the non-connectivity of the application
Display Name	On successful Logged in, user name will display on the menu bar
0	This button will provide the Log Out Facility to the User.
1	This button is used for change password if required by the user.
0	This button is used to refresh the Order
Order Notification	
Trade Notification	This button is used to refresh the order.

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Screen Name: Symbols

All active listed symbols are available in symbol portion. User has provided with the option of search by symbol wise, exchange wise, market wise, sector wise and currency wise. Similarly users can sort symbols either in ascending or Descending order and can able to adjust the Columns properties as required.

	Symbol				0	Syn	nbol	_	-
·	Symbol	• Exchange	Market	Description	Sys	e	Sector	Currency	Q
Search		21 Sort A	scending	J	Del				
	A405			ANGLOG ^		Τ	MNG		
	ABL	X Sort Descending	ACORA E		.T	MING			
	DA.	Colum	ns 🕨	Symbol		4_	FOOD & ALLIED		
	ALW	2.0				ч	FOOD & ALLIED		
	AYRIN	GSE	ODL	Exchange		5	NOT FOUND		
	8066	GSE	ODL	🗹 Mariet		15	NOT FOUND		
	CAL	GSE	ODL	Descriptio		h	MING		
	CFAO	GSE	ODL	1999 (1999) (1999) 1999 (1999)	S		ALUM		
	and	GSE	ODL	Sector			ALUM		
	CMLT	GSE	ODL	Currency		3	CHEM. & PHARMAC		
	CPC	GSE	ODL	COCOAT	Γ,	3	CHEM, & PHARMAC		
	EBG	GSE	000	ECOBAN		ION	FOOD & ALLIED		
	EBGRE	GSE	ODL	ECOBAN		ION	FOOD & ALLIED		
	EQ.	GSE	ODL	ENTERPR			BANK		
	EIC	GSE	006	ENTERSE -	-		BANK		

Figure 2: Symbols

Field	Function
Symbol	Enter the Symbol for search in search option
Exchange	Enter Exchange for search through exchange basis
Sort Ascending	Sort the symbols in ascending order
Sort Descending	Sort the symbols in descending order
Columns	Adjust the columns as required by the user
Market	Enter Market Type for search either Regular or ODL , The symbols related to ODL or Regular will listed
Sector	Enter the sector in the search option for searching symbols through sector wise

Screen Name: System Watch Default.

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This is default market watch. On load of page top 30 listed symbols will displays in default market watch. These symbols appear in default market cannot be added or removed by the user. The list will increase or decrease on the basis of feeds received from the market. If only twenty symbols

feed are received than those 20 symbols will populate automatically. User can perform trade through default market watch as well.

Sys	tem Wato	h (Default)						
Del	Trade	Market	Symbol 🔺	-	Change	Bi	d Size	Bid
	<u>.</u>	REG	AADS	2↓	Sort Ascen	dina	0	0.00
	<u></u>	REG	ABL	Z.				Actions
	<u></u>	REG	ACI	*	Sort Desce	inding		A
	A	REG	ALW		Columns	Þ		Actions
	An alle	REG	CAL			-		Exchange
	.	REG	ETI		0			Market
								Symbol
								Last Price
								Change
						Bid Size		
								Bid
								Offer
								Offer Size
							V V	Offer Size Turnover
								Turnover
								Turnover Open
								Turnover Open High

Figure 3: System Watch Default

Field	Function
0	On clicking this will allow the user place any sell order.
4	On clicking this will allow the user to place any buy order
Sort Ascending	User can sort the enlisted symbols in Ascending Order.
Sort Descending	User can sort the enlisted symbols in Descending Order.
Columns	Select the column(s) from the available column. User can reorder the shown column by check/uncheck the boxes.

Screen Name: User Created Market Watch

Most of the watch list are feed based and have similar customization option. User can choose symbols to be shown in the watch list. User can select different column to be shown on the watch list from a list of columns and can also arrange these columns in some desired order. User can easily save their own created market watches and the settings are restored next time application is started. User has provided with the facility to delete any watch list except system watch (default) as desired.



X A ODL X Sort Descending Image: Actions 0 0.000 X A ODL Image: Columns Image: Columns Image: Columns 0 0.000 X A REG Image: Columns Image: Columns Image: Columns Image: Columns 0 0.000 X A A A Image: Columns Image: Column	Sys	tem Wato	h (Default) *ABC 🗵				
Image: Sort Ascending Image: Sort Ascending Image: Actions 0 69.00 Image: Sort Descending Image: Actions 0 0.000 Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descending Image: Sort Descen	Del	Trade	Market	👻 Symbol 🔺	Ch	ange	Bid Size	Bid
Main REG X Sort Descending Image: Columns set of the columns set of th	×	۵.	ODL	A ↓ Sort Ascending		0	0	0.00
	×	۵.	REG			Actions)0	69.00
X A ODL Columns Exchange 0 0.000 X A REG ETI Market 0 0.000 X A REG GOIL Image: Symbol 0 0.000 X A REG GOIL Image: Symbol	×	A	ODL	A			0	0.00
	×	A	ODL	Columns I		Actions	0	0.00
REG GOIL Symbol Last Price Change Bid Size Sid Bid Size Sid	×	A	REG			Exchang	je O	0.00
Symbol Last Price Change Bid Size Bid Offer	×	A	REG	ETI		Market	0	0.00
Image: Constraint of the second of the se	×	<u></u>	REG	GOIL			0	0.00
Image: ChangeImage: Change </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>Symbol</td> <td></td> <td></td>						Symbol		
Image: State of the state o						Last Pric	e	
Bid Image: Offer						Change		
Offer Offer						Bid Size		
						Bid		
Offer Size						Offer		
						Offer Si	ze	

Figure 4: User Created Market Watch

For inserting symbols in market watch, user requires to drag the desired symbols from symbol grid and drop it in the market watch grid and as shown in below screen shot. To remove any symbol from market watch, delete option is available.

Symbol				0	×	ABC	~ L	7 🛃		
Symbol	Exchange	Market	Description	Sys	tem Wate	h (Default)	ABC 🗷			
				Del	Trade	Market	Symbol 🔺	Change	Bid Size	Bid
CMLT	GSE	REG	CAMELO 📥							
CPC	GSE	ODL	COCOAF							
CPC	GSE	REG	COCOAF							
EBG	GSE	ODL	ECOBANI		1 selecte	ed row				
EBG	GSE	REG	ECOBANI							
EBGRE	GSE	ODL	ECOBANI 📃							
EBGRE	GSE	REG	ECOBANI							
EGL	GSE	ODL	ENTERPE							
EGL	GSE	REG	ENTERPE							
EIC	GSE	ODL	ENTERPR							
EIC	GSE	REG	ENTERPE							
ETI	GSE	ODL	ECOBANI							
ETI	GSE	REG	ECOBANI							
FML	GSE	ODL	FAN MILK							
FML	GSE	REG	FAN MILK							
<	U		>	<						>

Field	Function								
💿 Create Market Watch	This option is user to create user define Market Watch. On click create watch option will appear								
	Create Watch 🔀								
	OK Cancel								
🔀 Remove Market Watch	This option is used to delete user define market watch. On click confirmation message will appear								

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Ja	amapunji – Stock Trading Simulator 2017
	Delete Watch? X Image: Are you sure you want to Delete Current Market Watch ? Yes No
📕 Save	This will save the Market watch
Save As	If user wanted to save the market watch with some name as well than this option will serve the purpose. Save as Name: ABC1 OK Cancel
X DEL	This option is used to remove any symbol from user define market watch.
🏝 📥 Trade	This option is used for Buy/Sell any security as desired by the user.

Screen Name: Index List Menu

Select the index option from index list menu. Index Detail is design to represent the quick performance of the exchange for the user. By selecting exchange, **High**, **Low and Change%** will start appearing on the menu bar and if user selects **"Detail"**, **this** will show the complete detail of the exchange for the current period.



	Section	Place Order 5			8	GI.	cst >	ABC	×	0				OSE
	rder Side :	Select O					Current Index 00	h (Orfault	em Watc	Syst	Cescription	Mariet	Exhinge	Symbol
-			M	Bid Stee	Ownge		Coin 00 Up 00	Market	Trade	Del				
	GOLD DEP		0.00	0	0		Equal 00 High Index 00	REG	3.5	×	AN2.09 A	004	49K	AACS
Stock I	rist - GHANA 1	Regular Mar	0.00	0	0		Last Index 00	REST		×	AN2,09	REG	SZ	AAC/5
La	offer	Bid	0.00	0	0		Change 00 Low Index 00	ha	3.5	×	ACORA	004	GSE .	ARL
0	0	0.00	0.00	0	0		Monitory Vol. 00	001		×	ACOAE	REG	GE	ABL
0	0.00	0					lutal lunover00		/-	Γ.	APRICAN	004	498	ACI
		-								1	APR0CAP	REG	Q.E.	DA
(09E	ANDS-REG-									AN2.09	REG	GR	AGA
The	*	LMT									AUNOR	006	47	ACH .
											AUNOR	REG	SCE.	ĸж
Rathi	*	NOR									AVR10N	200	692	ARTN
											AVRION	REG	GE	AVRIN
		Buy									8060 C	ODK	GSE .	DOFP :
		¥.									8060 C	REG	G.E.	0099
											CAL BAN	200	92	CAL
											CAL DAN V	REG	498	CAL
		(3							0	3			0

Figure 5: Index List Menu

Field	Function
Index List	Select Index from Index list for display in menu bar
Detail	Click detail option or place cursor on Detail will show complete index detail of selected exchange.

TRANSACTION:

Screen Name: Place Order Selection

This section of the screen is transactional portion. User can place order either Buy or Sell by selecting "**Select Order Side**" and select desired symbol in which user wanted to execute trade. The section is self-define and easy to use.



Exchange	Mariet.	Description	Syste	em Watch (Defa	wh) ABC				Entre O	rder Side :	2 Sel	
			-08	Bid See	Bd	offer	Offer Size	lanove	seetto	ruer side :	10-548	
COX.	OCK.	NV2.09 *	0	0	0.00	0.00	0		ANGLO	GOLD DE	POSITORY	
(SE	REG	AN2.00	0	0	0.00	0.00	0		Requir Ma	rket - GHINA	Stock Exchange	20
GSE	COL	ACORE	0	0	0.00	0.00			And	Offer	Last	Change
GSR.	REG	ACOA1	0	0	0.00	0.00	0		0.00	0	0	-0.50
GSR.	ODK	AFRICAN	0	0	0.00	0.00	0		0	0.00	õ	(0%)
GSK.	866	AFRICAN	0	0	0.00	0.00	0	/				
GSK	REG	AN2.09						1	AADS-REG	GSE	0.00	volume
GSE	ODK.	ALUWOR							LIMIT	*	Trigger	Declosed
3cx	865	AUMOR							1		(house)	
GSK	COL	AVR:TON							NOR	*	14 1000	Order Value
GR.	REG	AVRITON										
GSE	ODL	BENSIO C							Duy	0		
SSE	REG	BENSO C 🚽							-			
111		>	0						0			

Figure 6: Place Order Selection

Field	Function
a Buy	Select Order side. If select BUY , Buy option will be available on the screen
19990// 19903/	as
🍣 Sell	Select Order Side: If select sell ,sell option will be available on the screen as
	Sell
BID	It displays the BID price of selected symbol
Offer	It shows the Offer price of selected Symbol
Last	It shows the last price of selected symbol
Change	It shoes change in % of selected symbol
AADS-REG-GSE	Enter the symbol manually. User can if select either BUY ot SELL from market watch than symbol automatically populate.
0.00	On selecting symbol, market price will appear in the field. User has provided
	with the facility to change the price of the order. This is mandatory field.
volume	Enter volume, for placement of order. This is Mandatory field.

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	Jamapunji – Stock Trading Simulator 2017
LIMIT	Select type of order Market only. Drop down option is available for the users to select the type of order as LIMIT STOP LOSS MARKET
Buy	Press BUY button for placement of buy order
Sell	Press SELL button for placement of sell order.

Screen Name: Buy Order:

For placement of Buy Order user need to fill all require fields as given below. Symbol, Price and volume are mandatory fields. On competition of required filed press BUY button

Bid	Offer	Last	Change
0.00	0	0	-0.50
0	0.00	0	(0.0%)
ETI-REG-GSE	:	10	100
LIMIT	~	0	0
NOR	~	Refrence	1000
Buy		110	



Order Confirmation:

This is confirmation message appears for the users. Before executing order user can confirm the price and volume



Field	Function
YES	Yes will execute the order
NO	NO will cancel the order at initial stage. User can brought changes as desired.

Screen Name: SELL ORDER

For placement of Sell Order user need to fill all require fields as given below. Symbol, Price and volume are mandatory fields. On competition of required filed press SELL button

Bid	Offer	Last	Change
0.00	0	0	-0.50
0	0.00	0	(0.0%)
ETI-REG-0	GSE	10	100
LIMIT	~	0	0
NOR	~	Refrence	1000



Order Confirmation:

This is confirmation message appears for the users. Before executing order user can confirm the price and volume



Field	Function
YES	Yes will execute the order
NO	NO will cancel the order at initial stage. User can brought changes as desired

Screen Name: Message Board

Message board section display events details as they occur. These events are part of transactional portion. Events related to Order Placement, invalid order placement, order cancellation, Order received and confirmation message, trade execution notification etc.

Buy Order Message:

Once Buy order executed following message will appear and st the same time Order List also updated

Messa	age Boar	d						<
12:26:	:53 N	ew Buy ord	der of 100 El	FI in GSE at ().15 for 1805	0 is received.		
<			111					3
Order	List Tr	ade List						
Cancel	Symbol		Buy/Sell	Price	Volume	Executed	Status	Expiry
3	ETI		Buy	.15	100	0	Queued	04/03/2013
								1

Figure 9: Buy Order Message



Sell Order Message:

Once Sell order executed following message will appear in the message board and order list automatically updated.

			IT IN GOE ACU	0.14 for 18050	J is received.		
e 1			1				
د Order	List Trade Li	ist]				
	List Trade Li		Price	Volume	Executed	Status	Expiry

Figure 10: Sell Order Message

Invalid Order Message:

If order is invalid due to any reason, than user will be intimate with invalid order message

Figure 11: Invalid Order



Screen Name: Order Cancelation:

User has provided with the option to cancel order if it is remain in the pending state. Order showing in the Order List has cancellation option to cancel either Buy or Sell order as shown in the below given figure.



"YES" will execute the process of order cancellation and "NO" terminate the cancellation request.

Once Order successfully cancelled, Confirmation message will be displayed on message board as given below

Cancel	Symbol		Buy/Sell	Price	Volume	Executed	Status	Expiry
8	ETI		Buy	0.13	100	0	Cancelled	04/03/20
Messa	ge Board							(
Messa 02 :1 1::	_	ORDER 9	297 FOR E1	TI IS CANCE	LLED.			(
	11 BU'					13 for 18050 i	is received.	(
02:11:	11 BU'					13 for 18050 i	is received.	(
02:11:	11 BU'					13 for 18050 i	is received.	
02:11:	11 BU'					13 for 18050 i	is received.	



Trade List:

Once Order fulfilled and trade executed against requested order, than message board shows confirms trade execution message and at the same time trade list also updated automatically.

02:27:53	14:27:52: TRADE 3016	1. Sold 100 ABL in	01 at 0.11 for 18050 ord	er 9303
02+27:52	14:27:52: TRADE 3016	1. Bought 100 ABL	. in 01 at 0.11 for 18050 o	order 9302
02:27:52	New Sell order of 100 A	BL in GSE at 0.11	for 18050 is received.	
< Order List	Trade List			>
Symbol	Buy/Sell	Price	Volume	
Dymbol			100	(727)
ABL ABL	s	.11	100	^

Figure 13: trade message

After trade confirmation notification order showed queued in order list will be marked filled and on refreshing the order list, list will be empty and only remains with the pending orders.

Cancel	Symbol	Buy/Sell	Price	Volume	Executed	Status	Expiry
3	ETI	Buy	.11	100	100	Filled	04/03/2013
3	ETI	Buy	.14	100	0	Queued	04/03/2013
					/	/	



Reports

Screen Name: Periodic Trade Detail Report

Periodic trade summary shows symbol wise detail of client's trades in a particular period of time. User can view the complete information of his trades.

					Periodi	c Tr	ade l	Detail	Repo	ort					
lient Code:	RMS01		From Da	te: 12/	10/2013	т	o Date:	12/11	2013						
xchange:	All	~	Clearing	Type: All		Symbol:									
ype:	HTML	~													
						View	Report	1							\$
From Trade D. Security: Clearing Type:	AB	913	To Trade D Client Exchange:		Perioc A2013 RD1 - RMS Client	Printe		12/11/							
					Settlement	Quar	ntity					Amount			
Exchange	Harket	Trade Type	Trade No.	Trade Date	Date	Buy	Sell	Rate	Buy	Sell	Brokerage	CVT	WHT	FED	Net
All		PAKISTAN ST	ATE OIL COM	MPANY LIMITE	0										
	quiar Market	Regular Trade	11290	01/11/2013	05/11/2013		100	274.0000		27,400.00	23.00	0.00	5.48	0.00	(27,371.5
KSE Re		Regular Trade	11281	01/11/2013	05/11/2013	100		274.0000	27,400.00		23.00	0.00	0.00	0.00	27,423.0
	gular Market	Pergular Indus	1.004.0			100				27,400.00					

Field	Function
CLient Code	BY default client is populated
From Date	The starting date of the date range from where the data is required
To Date	The Ending date of the date range till the data is required
Exchange	Select the exchange, or continue will default value ALL will fetch the required information from all exchanges
Clearing Type	Select type of clearing from drop down box
Symbols	Enter particular symbol or remain blank for all symbols
Туре	Enter Type for format in which print is required. Available types are PDF,HTML,EXCEL
View Report	Press to view report on user screen
\$	Print option is available for hard copy of the report

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Screen Name: Periodic Trade Summary Report

Periodic trade summary shows symbol wise summary o client's trade in a particular period of time. Report can be requested for a particular period of time and for particular clearing type. It shows the summary of the client's trades in all symbols.

			F	Repor	t							
FromTrade Date: 1201/2013 Clearing Type: All	To Trade Date Exchange:	: 12H12013	Cie	nt: Rove	01 - Fanis C	iert						
Printed Dec 12/11/2013				hartity					Amount			
Geo unity Name	Eestange	Symbol	Buy	Sell.	Net	Buy	61	Broherage	CVT	WHT	FED	Net
ICI PARISTAN LIMITED	xse	101	0	1,000	[1,000]	0.00	168,000.00	160.00	0.00	33.60	0.00	(167,806.40)
OIL & GREDEVELOPMENT CORPORATION	KSE	OSDC	350	2,020	(1,670)	39,005.00	340,400.00	375.00	5.69	68.04	0.00	(300,950,27)
PAKISTAN PETROLEUM LIMITED	KSE	PPL	100	1,110	[1,010]	12,000.00	213,100.00	235.00	0.00	42.61	0.00	(200,822.39)
PARISTAN STATE OIL COMPANY LIMITED	#SE	PSO -APR	500	0	500	140,250.00	0.00	45.00	0.00	0.00	0.00	140,295.00
PARISTAN STATE OIL COMPANY LIMITED	KSE	PSO-DEC	10	0	10	3,000.00	0.00	0.90	0.30	0.00	0.00	3,001.20
PARISTAN STATE OIL COMPANY LIMITED	KSE	PS0	14,000	19,204	[5,171]	2,605,024.50	3,532,948.00	6,735.55	73.83	633.62	0.00	(829,600.50)
PARSTANTELECOMMUNICATION COMPRNYLTD.	KSE	PTC-MAR	200	1,000	[800]	3,000.00	14,440.00	36.00	0.00	2.09	0.00	(11,401.11)
PARISTAN TELECOMMUNICATION COMPANYLTD.	#SE	PTC	231	2,131	(1,900)	4,054.00	30,554.00	236.20	0.00	6.11	0.00	(26,257.69)
		Grand Total:				2,887,133:50	4,299,442.00	7,823.65	75.82	790.87	0.00	(1,403,622.16)
				End	Of Rep	ort						

Figure 15: Periodic Trade Summary Report

Field	Function
Client Code	BY default client is populated
From Date	The starting date of the date range from where the data is required
To Date	The Ending date of the date range till the data is required
Exchange	Select the exchange, or continue will default value ALL will fetch the required information from all exchanges.
Clearing Type	Select type of clearing from drop down box
Туре	Enter Type for format in which print is required. Available types are PDF,HTML,EXCEL
View Report	Press to view report on user screen
-	Print option is available for hard copy of the report

Screen Name: Custody Net Share

This report will give the complete information of the net custody share for any specified symbols of the client. The report will generate the total net holding of the customer securities.

lient Code:	RMS01	As On Date:	12/11/2	013									
ype:	HTML												
					Vie	w Report							
DEWAN FARO	OQ SPINNING MILLS	0	0	0	0	0	0	400	0	0	400	2.51	1,004.00
CI PAKISTAN	LIMITED	0	0	0	0	0	0	(990)	0	0	(990)	174.50	(172,755.00)
KOT ADDU PO	WER COMPANY	0	0	0	0	0	0	150	0	0	150	60.45	9,067.50
LOTTE PAKISTA	AN PTA LTD.	0	0	0	0	0	0	(300)	0	2,100	(300)	8.16	(2,448.00)
MCB BANK LIN	AITED	0	0	0	0	0	0	280	0	0	280	263.76	73,852.80
NATIONAL BAN	IK OF PAKISTAN	0	0	0	0	0	0	220	0	0	220	52.25	11,495.00
VISHAT FABRI	CS	0	0	0	0	0	0	5,000	0	0	5,000	0.00	0.00
DIL & GAS DEV	ELOPMENT CORPORATION	0	0	0	0	50	50	(66)	(1,000)	(5,800)	(1,016)	254.21	(258,277.36)
PAKISTAN PET	ROLEUM LIMITED	0	0	0	0	1,300	1,300	(600)	0	2,050	700	199.25	139,475.00
PAKISTAN STA	TE OIL COMPANY LIMITED	0	0	0	0	6,700	6,700	584	(100)	10	7,184	268.00	1,925,312.00
PAKISTAN TEL COMPANY	ECOMMUNICATION	0	0	0	0	0	0	(2,209)	0	(800)	(2,209)	26.96	(59,554.64)
SAUDI PAK CO	MMERCIAL BANK	0	0	0	0	0	0	375	0	0	375	4.00	1,500.00
SECURITY LEA	SING CORP	0	0	0	0	0	0	350	0	0	350	3.00	1,050.00
THE BANK OF	PUNJAB	0	0	0	0	0	0	1,740	0	0	1,740	10.42	18,130.80
WAPDA BOND	10TH ISSUE	0	0	0	0	0	0	0	100	0	100	0.00	0.00

Figure 16: Custody Net Share

Field	Function
Client Code	BY default client is populated
As on Date	By default current system date will populated
Туре	Enter Type for format in which print is required. Available types are PDF,HTML,EXCEL
View Report	Press to view report on user screen
•	Print option is available for hard copy of the report

Screen Name: Outstanding Order Report

This report will show the outstanding orders of the client in current date. Outstanding report will provide the view about the pending security either Buy or sell along with amount and total volume. Exchange, order type is also showing in the report. Once order executed outstanding order list will automatically updated.



				Juisia	anding O	I GET S IV	epon				
Client	P3MS01 - P3	45 Client									
Printed On:	12/11/2013										
Exchange:	A										
Number	Reference	TimeStamp	Exchange	Harlet	Symbol	Side	Nature	Rate	Volume	Executed	Status
20189	nul	04/11/2013 11:22:23	KSE	REG	PSO	Buy	140	12.3000	20	Enterne	0Queued
20192	nul	04/11/2013 11:55:13	KSE	REG	P30	Bwy	140	12.3000	10		OQueued
20196	nul	04/11/2013 12:11:03	KSE	REG	P30	Bvy	540	12.3000	50		OQueued
	nul	04/11/2013 12:13:12	KSE	REG	P30	Bwy	540	12.3000	10		0Queued

Figure 17: Outstanding Order Report

Field	Function
Client Code	BY default client is populated
Exchange	Select Exchange from drop down box
Туре	Enter Type for format in which print is required. Available types are PDF,HTML,EXCEL
View Report	Press to view report on user screen
-	Print option is available for hard copy of the report

Screen Name: Cash Book Report W.R.T Trades

Cash book report shows the position of cash of a client with respect to trades. Total Debit and Credit balance can be viewed against each transaction. Description of his trades is also displayed on the report.



			C	asnbo	OKR	eport W.R.T Tra	aes				
Client	RMS01 - RMS	Client		Client Lo	et Code	TRD2190002					
From Date:	12-Nov-13			Printed (On:	12-Nov-13					
To Date:	12-Nov-13			Time :		11.22.05 AM					
TradeNouch 3	TradeNouch Date	Che/Bill #	Sett Date	Exchange		Description	Debit	Credit	Balance		
	12/11/2013		12/11/2013		OPENING	3 BALANCE	E 0.00 2,017,990,020.84 201790				
Tetal:							0.00	2,017,998,020.84	2017998020.84 C		
OutStanding (Cash Withdrawl Amou	nt						42,000.00			
Net Cashbo	ook Balance:					2017956	020.84 CR				
Clearing Type			UnBilled A	mount							
NCEL FL1000	Z-DE10		6000.00								
NCEL GO102	-AP11		0.00								
CRUDE10-DE	12		182.87								
T+2 NCSS			d1047721.19	0							
G010Z-FE12			(1654.20)								
NCEL SA1000	02-		6000.00								
NCEL SA100	Z-0/E10		(3000.00)								
PMEX TOLAG	OLD		(192719.16)								
NCEL CLEAR	UNG		36907.56								
NCEL FL100Z	5-DE10		(3000.00)								
NCEL G0102	0.000		0.16								

Figure 18: Cashbook Report W.R.T Trades

Field	Function
Client Code	BY default client is populated
From Date	Enter from date either manually or user can select from calendar
To Date	Enter To date either manually or user can select from calendar
Туре	Enter Type for format in which print is required. Available types are PDF,HTML,EXCEL
View Report	Press to view report on user screen
*	Print option is available for hard copy of the report

Screen Name: Client Portfolio

Cash book report shows the position of cash of a client with respect to trades. Total Debit and Credit balance can be viewed against each transaction. Description of his trades is also displayed on the report.



					Clie	nt Po	rtfolio Po	sition Re	port				
nt Code	er RMS01												
1941	HTML	*				3	View Report						
													^
					Clie	nt Por	tfolio Posi	tion					
C	lient:	RMS01 - RMS CB	ent		ClientL	atCode:	TRD2190002						
Te	e Trade Date:	12/11/13			Printer	d Orc	11.20.58 AM						
	nh Balance -42000.0	Nark To Naarbet 0.0	Elitched -42000.0	Un-Elected 0.0	Cue		nailable Wargin 0.0						
	CFG	Future		Provisional	Pending Ord	Sera	Tetal			ExpAltered	Analable®		
	0.0	0.0		0.0	60		00			0.0	0.0		
	Symbol	DayTrade	Custody	Fending Orders	CFS	Future	Provinional	Avail Ealance	Elected Balance	Warket Rate	RanketValue	UTU	
											· <u>· · · · · · · · · · · · · · · · · · </u>		
											Total Mark To Market: Actual Cash Balance;	0.00 (42,000.00)	
											NetCash:	(42,000,00)	
											TetalCuelodyValue:	0.00	
							-				Total Portfolio Value:	(42,000.00)	
							End Of Rep	ort					100

Figure19: Client Portfolio

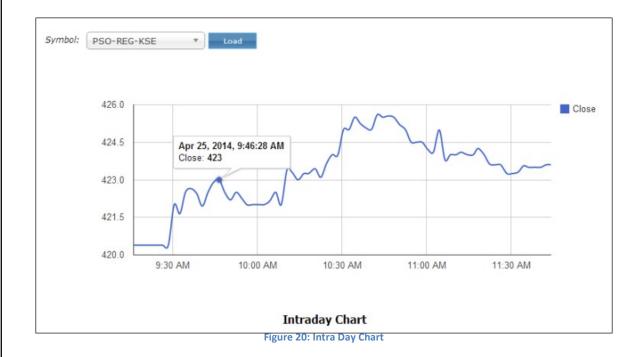
Field	Function
CLient Code	BY default client is populated
From Date	Enter from date either manually or user can select from calendar
To Date	Enter To date either manually or user can select from calendar
Туре	Enter Type for format in which print is required. Available types are PDF,HTML,EXCEL
View Report	Press to view report on user screen
	Print option is available for hard copy of the report



CHARTS:

SCREEN NAME: INTRA DAY CHART

Live chart option is available in market watch. On simple click live chart window will load and display the result. Live chart option is available against each symbol. User can enable or disable the chart by clicking on **TURN OVER**. X-axis represents the time range and Y-axis represents volume range. Refresh button will update the chart on real time basis.



SCREEN NAME: TIME LINE CHART

Time line is a chart that depicts how a set of resources are used over a period of time. In this chart user can view organized sequence of events in the order in which they occur. Selection based criteria is available for the user to view the chart. First select the option of Time Line Chart than enter symbol and hit load to view the chart.

Chart can be analyzed for different period of time like 1 month, 3 month, 1day, 5 day, I year and max(depend on the data stored for number of years in database. If we are having data for ten years than the graph for the chart created for ten years).

User can use the chart inspector to set the period. Period is defined in terms of years.

Jamapunji – Stock Trading Simulator 2017 Symbol: MCB-REG-KSE Load Ŧ • Close 279.92 | April 24, 2014 Zoom: 1d 5d 1m 3m 6m 1y Max 500 400 300 200 100 0 2011 2012 2010 2013 2011 2012 2008 2009 2010 2013 2014 <

Figure 21: Time Line Chart

SCREEN NAME: CANDLE STICK CHART

A candle stick chart used primarily to describe price movement of a security, derivatives, or currency over time. Each bar represents the range of price movement over a given time interval. User require to select the type of graph as Candle stick chart and then select symbol and press load button to load the chart. Period translator machine is given below to select the period range for a graph.

1. Fill Bar 💼

A filled bar, usually blue, is created when a security's closing price is greater than price at which it opened.

2. Fill bar with upper stick 📥

Upper stick on filled bar show the max level of high price. It means highest price for the day.

3. Fill bar with Lower Stick

Lower stick show the min level of low price. It means lowest price for the day.

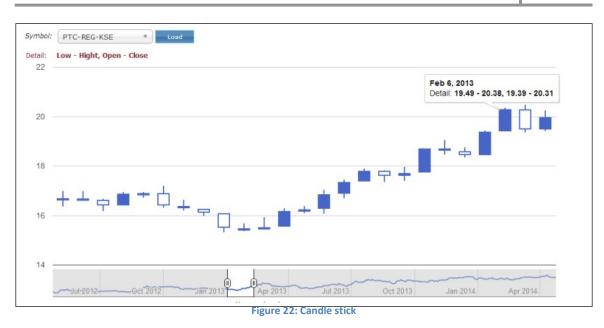
4. Empty Bar 📼

An empty bar, is created when a security's closing price is below the price at which it opened.

5. Doji lines:

Illustrate periods in which the opening and closing prices for the period are very close or exactly the same.





Y-axis: Represents the Volume X-Axis: Represents the Date and year

Screen Name: Comparison chart:

Comparison Chart is used to compare different shares for specific period of time. This combination chart is a best possible graphical representation for analysis of different symbols. Symbols are distinguished with red and blue colors. Symbol input field allow to select two symbols. Max two symbols can be selected. Y-axis represents the volume and x-axis represents the date and year over a define period of time. Time period can be defined from below given scroll option. Normally one year comparison will be allowed.



