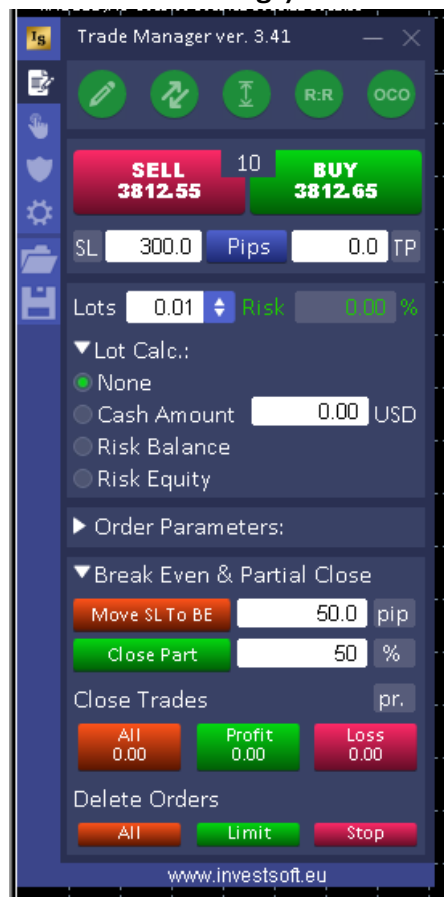


Creating a simple EA to process orders

1. What is the expectation of this EA for this version
 - a. It should have the same look and feel like (sidebar is only limited now to first tab shown here and settings)



b. For now: It should have the following buttons on the screen

i. SELL

1. With the current asking price viewed



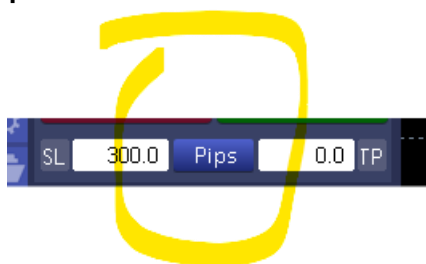
ii. BUY

1. With the current asking price viewed



iii. SL

1. Pips



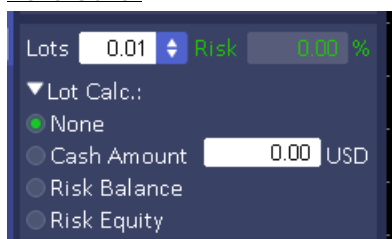
2. or

3. Price



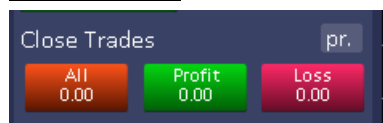
iv. Lots

1. Lots Calc:



- a. None
- b. Cash Amount
- c. Risk Balance
- d. Risk Equity

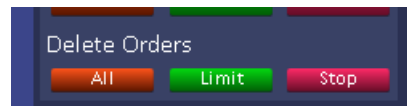
v. Close Trades



- 1. All
- 2. Profit

3. Loss

vi. Delete Orders



1. All
2. Limit
3. Stop

c. Section settings

Risk Reward Ratio:

Acceptable risk %:

Incl. Commission: USD

Spread Multiplier:

Draw line at:

Bar distance: Pips

Default lines distance:

Stop: None x

Target: None x

Line open text:

Line stop text:

Line target text:

Line part TP text:

Line part SL text:

d. Section Save Template

Save Template

Name:

2. **The input section will have these variables and show be the same** (we will later add the functionality for some items that we do not use now)

Variable	Value
_	----- TRADE PARAMS -----
Only Current Symbol	true
Only Curr. Symbol - partial close	true
Only Current Magic No.	true
Only Pendlings By Lines	false
Maximum Lot	0.0
Unlimited Lot	false
Correct SL/TP distance	true
Magic Number	555463
Slippage	10
Default Settings Template	
_	----- RISK -----
Auto detect Commission	false
Acceptable Risk Color	30,204,0
Unacceptable Risk Color	255,5,25
Risk % value precision	2 digits
_	----- LINES DISTANCE -----
ATR Period	14
ATR Timeframe	current
ATR Refresh Interval (sec.)	0
_	----- PANEL -----
Horizontal Alignment	LEFT
Y distance	15
Font Color	Black
Font Size	12
Panel Zoom	100%
Hide Lines After Order Fill	true
Min. Panel After Order Fill	false
Order Window Location	At Open Bar
Spread Display	Pips
Close Trades Categories	Profit & Loss
_	----- LINES - ORDERS -----
Active	true
Text Color	White
Background Market Buy	0,181,21
Background Market Sell	178,48,54
Background Pending Buy	0,181,21
Background Pending Sell	178,48,54
Opacity Market Order	200
Opacity Pending Order	100
Width	150
_	----- LINES -----
Bars Height	20
Font	Segoe UI
Font Size	12
Fill Opacity	100
Bars Opacity	150
Text Alignment	Center
Target Fill Color	0,170,56
Stop Fill Color	221,75,57
Lines Visibility	Always Visible
Position	Unlimited
Position Offset To Bar	-1
Bars Space Fill	true
Icons Visible	true

_	----- LINE STOP LOSS -----
Background	255,51,51
Text Color	<input type="checkbox"/> White
H. Line Width	1
H. Line Style	Dot
_	----- PREFIX & SUFFIX -----
Auto detect	true
Prefix	
Suffix	
CFD Currency	
Code Page	Default
_	----- HOTKEYS -----
Hotkeys Enabled	true
Open Market BUY	B
Open Market SELL	S
Place Pending Order	P
Draw Lines BUY	D
Draw Lines SELL	F
Change order direction	R
Auto Adjust To Current Price	Shift+A
Pin/Unpin Stop Loss	Shift+S
Pin/Unpin Take Profit	Shift+T
Pin/Unpin All	Shift+F
Risk Reward Ratio	Shift+R
OCD	Shift+O
Move SL To BE	E
Close Part of Order	X
Close All Market Orders	C
Close Profitable Orders	G
Close Losing Orders	L
Close All Buy Orders	Shift+N
Close All Sell Orders	Shift+M
Delete All Pending Orders	H
Delete Limit Orders	
Delete Stop Orders	
Turn On/Off Part TP1	1
Turn On/Off Part TP2	2
Turn On/Off Part TP3	3
Turn On/Off Part TP4	4
Turn On/Off Part SL1	
Turn On/Off Part SL2	
Turn On/Off Part SL3	
Turn On/Off Part SL4	
Turn On/Off Automatic BE	
Turn On/Off Automatic TS	
Minimize/Restore Panel	M
Show Open Price Panel	Y
_	----- ALERTS -----
On Screen Alert	false
Email Alert	false
Notification on Mobile	false
Open Market Order	false
Close Market Order	false
Place Pending Order	false
Activate Pending Order	false
Delete Pending Order	false

3. We refer to www.investsoft.eu for more detailed information on how the section input works

a. MetaTrader 5: Trade Manager for MT5 & MT4 - Lot Size Calculator - Easy MT5 Trading Tool

- i. https://youtu.be/_CQvseXj_nc?si=mKiR1rThVvpAgI7w
- ii. https://youtu.be/_CQvseXj_nc?si=WPqwMJA0LJ5R6xNi

4. Where to find examples of the Lots Calc

- The developer will get the current logic of layering
- The developer will get the current extract of Lots Calc from an existing EA from me
 - o Cash Amount
 - o Risk Balance
 - o Risk Equity

5. This project should to run at least without any bugs on the following items and symbol extensions(example xauusd.i, xauusd.x, xauusd.m, etc)

- a. XAUUSD (Gold)
- b. XAGUSD (Silver)
- c. BTCUSD
- d. ETHUSD
- e. DE40/DAX40/GER40
- f. US30/USX30
- g. UK100
- h. USTECH
- i. EURUSD
- j. XBRUSD (Brent Oil vs US dollar)
- k. XNGUSD (Natural Gas vs US dollar)
- l. XTIUSD (Crude Oil vs US Dollar)

6. The project will be done in the following environments

- a. MQL4
- b. MQL 5
- c. Tradingview (standard, free of use)

7. Flowchart/BPM Process

- i. The developer will provide clear Process flow and decision matrix in one of the following tools

1. Opensource Software

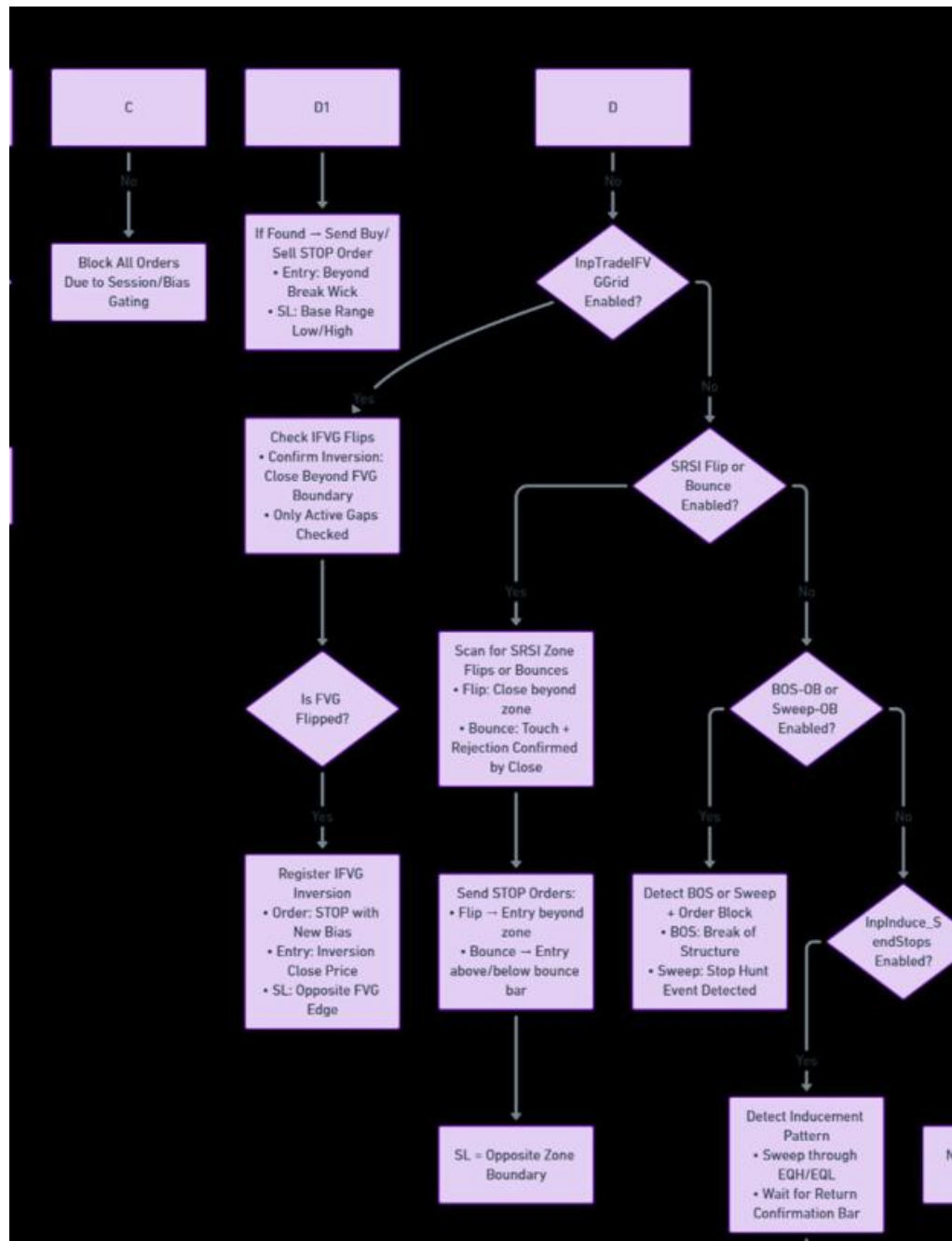
- a. Dia Diagram Editor, a desktop application with a large shape library

ii. Or

1. Microsoft store

- a. Sensus Business Process Modeler app for BPM

Example how I see a Flow Chart



8. Orders output on screen

a. SL is always max 40 pips from Entry Point

- i. This setting should be adjustable in the input section (**SL minimum = 40 pips**)

9. Clear Section separation

- We want to have clear section separation to get a better view on what it linked together. This should be following in the input section and in the programming
- An examples how we see this

InpFVG_ColorDown	OrangeRed
ab _GRP_Section_SMT	??? SMT Divergence Settings ????????????
ab InpSMT_RefSymbol	GBPUSD
InpSMT_SwingWin	5
InpSMT_PipTol	1.0
InpShowSMT	false
ab _GRP_Section_Induce	??? Inducement Sweep Settings ????????????
InpInduceSweepPts	100.0
InpInduceConfirmBars	3
InpShowInducement	true
InduceMarkerColor	Black
ab _GRP_Section_PS	??? Protected-Swing (PSH/PSL) Settings ???
InpPS_Enable	true
InpPS_RunMinCandles	3
InpPS_DefendBars	3
InpPS_SweepPts	100.0
InpPS_RequireFVGFill	true
InpPS_ColorLow	MediumSeaGreen
InpPS_ColorHigh	Tomato
ab _GRP_Section_OB	??? Order Block Settings ???
InpOB_Sweep_Enable(master toggle)	true
InpOB_MinBodyPts(min real-body size (pts))	150
InpSweepTolerance(min sweep points through important level)	30.0
use series vs single bar	false
length of same-color run	3
how many bars to extend OB box	50
Color for Bull OB	Lime
Color for Bear OB	Crimson
ab _GRP_Section_RBR	??? RBR/RBD/OBD/OBR Settings ???
InpCB_Enable	true
InpCB_BaseMaxBars	4
InpCB_BreakToIPts	10.0
InpCB_BaseToIPts	10.0
InpCB_ExtBars	50
ab Trading_Section	??? Feature_Based Trading Settings ???
Send Orders on RBR/OBD	true
Continuation-blocks Scanning TimeFrame	15 Minutes
Send Orders on DBR/RBD?	true

10. Criteria/Validation of successful implementation

- The developer will not have access to the testing environment
- The developer will receive on regular bases the logs files of the demo accounts
- The developer needs to deliver clear installation documentation with print screens and in word documents
- The developer needs to document every case in a flow chart, how every scenario/case works (validation of entry model) and this needs to be delivered before acceptances.
- The developer will deliver the mql code and the trading view code with detailed explanation in the code how and why this is used.
- Any third-party software cannot be used.
- Any license model cannot be used
- Any limitation in time usage cannot be used
- Parameters of success**
 - The solution works in Trading view with a standard license
 - The solution works in MQL 4 with a standard license
 - The solution works in MQL 5 with a standard license
 - Successrate is + 95% per day/week/month

- v. Drawdown is max 2% per order/deal
- vi. Risk is max 2%
- vii. SL cannot be more than 40 PIPS
- viii. Risk reward ratio = 1.5 up to 10, less is not allowed
- j. Checking with myfxbooks.com is accessible for the developer
- k. **Testing**
 - i. This is EA should/will run at **least 21 working days on 10 demo accounts and on the Symbols provided in the previous section** at the client side to proof that it works successfully.
 - ii. Every scenario/case needs to work successfully 12 working days with a success rate of 95% and in line with Stoploss can only be **40 PIPS max**, layering should be used with a layering factor 1.41 and step 50.
 - iii. **Any bugs** will have as consequence that the testing period **starts again** from day 1 for the scenario/case and will also delay acceptance of the full development.
 - iv. **Back testing can be used to have a first check**, but the real test is on demo accounts and later a real account.
 - v. I should be able to run this in back testing of MT4/5

11. Support

- a. Any fixes, bugs are fixed within 48 hours and free of charge
- b. Support to any fixes, bugs are not limited in time and free of charge
- c. Developer will adequately provide any support on issues, fixes, bugs within 48 hours

12. Mindset Agile Delivery

- a. We like to Enphase that delivery will be split in separate small business value delivery
- b. We want that the developer works iteratively according to the agile-scrum principle
- c. This means that the build process is divided into mini projects (sprints) with the ultimate goal of periodic releases per concept that deliver value to key test user. We determine the content of these sprints together based on the functional priorities.
- d. After each sprint, the functionality is released to a client environment, and you demonstrate the delivered product with a demo.
- e. We strongly believe in interim releases per concept and agile development.
- f. This is to avoid issues at the end of delivery and makes validation much easier
- g. Each Concept will be delivered to me to be able to test thoroughly, at that moment the developer can work on the next case (the first concept will take longer to deliver as many enablers are in this)
- h. The source code is delivered to check the quality of the documentation in the code per sprint.

13. Planning Sprints

a. Basic

i. Sprint 1

1. **The following sprint will serve as master**, which will have enabler/functions included (printing to PDF, opening Chart, colour settings, communication box, etc) text per item,

2. Button

a. SELL

i. With Price indication

b. BUY

i. With Price indication

c.

ii. **Sprint 2** only selection possibility without scripts behind

1. Lot Calc:

a. None

b. Cash Amount

c. Risk Balance

d. Risk Equity

iii. Sprint 3

1. Close Trades

a. ALL

b. Profit

c. Loss

iv. Sprint 4

1. Delete Orders

a. All

b. Limit

c. Stop

v. **Sprint 5** from Sprint 2 the execution of this on orders

1. Cash Amount

vi. **b from** Sprint 2 the execution of this on orders

1. Risk Balance

vii. **Sprint 4** from Sprint 2 the execution of this on orders

1. Risk Equity

viii. **Sprint 5** Save template

1. **This option save the settings how the EA has been configured, including the input section**

How I see the screens (these should be followed exactly)

The screenshot displays a trading interface with a dark blue background. On the left is a vertical sidebar with icons for a hand, shield, gear, folder, and document. The main panel contains the following elements:

- At the top, two large buttons: a red "SELL 3813.37" and a green "BUY 3813.42". A small "5" is positioned between them.
- Below these, input fields for "SL" (300.0), "Pips" (0.0), and "TP".
- A "Lots" input field set to "0.01" with a dropdown arrow, followed by a "Risk" input field set to "0.01 %".
- A section titled "Lot Calc.:" with four radio button options: "None" (selected), "Cash Amount" (0.00 USD), "Risk Balance", and "Risk Equity".
- A section titled "Order Parameters:" which is currently collapsed.
- A section titled "Break Even & Partial Close" which is also collapsed.
- Below the collapsed sections, a "Close Trades" label followed by a "pr." input field.
- Three buttons: an orange "All 0.00", a green "Profit 0.00", and a red "Loss 0.00".
- A "Delete Orders" label followed by three buttons: an orange "All", a green "Limit", and a red "Stop".