**Version 1.1**

4/20/2021

Stock Analysis Software

**Mobile & Desktop Software**

**PROPOSAL**

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No other agreement or understanding of any kind shall form part of or operate as a waiver to this agreement unless expressly accepted by the ABC in writing and signed by the CEO or any other administrative authority.

**Abc** will commence work on the client project on receipt of a signed copy of the services agreement and payment receipt. The same date will be assumed as a project commencement date.

I am working on the project (s) during normal business hours. (Pakistan Standard Time Zone)

I will not provide any other workforce (except the mentioned workforce) to the client for this project. In case there is any requirement, this would be agreed upon separately in a written agreement.

All the services under this agreement will be performed in Pakistan.

If any new/additional skills are required, the Client shall communicate the same to **Abc** and action will be taken based on mutual consent and a revised agreement in writing.

The client will pay **Abc** for the services of the Staff as mentioned in the agreement.

The estimates provided in the proposal are based on the requirements specified in the document. Any change in the requirements or delays in communication will have a direct impact on the cost of the project.

All content, images, audio and video, 3rd Party API (paid & unpaid) for the project to be provided by the client.

All the images and text would be for placeholder purposes only and shall be replaced upon receipt of the actual content as provided by the client.

# Document Change History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Description** | **Prepared By** | **Reviewed By** |
| 1.0 | 04-20-2021 | Stock Analysis Software (Desktop & Mobile) | Abc |  |
| 1.1 | 04-21-2021 | Features Updation | ABC |  |

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# Executive Summary

The Project is about to design & develop an Artificial Intelligent Stock Analysis Software for desktops and mobiles. The aim behind this development is to provide a Trading platform for the traders and brokers to take care of their trading needs by reading, analyzing, interpreting, adapting, and storing new winning chart analysis techniques. It will be enough capable to alert new winning opportunities to buyers, sellers and hold to the traders at the right time. They can see the average time of stock dropping price in local & international market.

The stock chart visual representations of stock variety, such as pricing and trading volume, ask price, bid price, and stock origin country base position. A chart can, at a bare minimum, display price data on a line graph, including adjustments. Price momentum, market sentiment, and social trend followers/visits can all be incorporated into the tool. Even with stock analysis, show market average timing drops the catch. The Relative Strength Index (RSI) means that a stock is overbought, which allows traders to sell commodities now. The RSI is given a number between 0 and 100. More than 70 indicates overbought, while less than 30 indicates oversold.

On-Balance-Volume (OBV) metric measures uptrend volume compared to downtrend volume. Moving Averages metric tracks recent price action over a shorter timeframe Moving Average Convergence/Divergence (MACD). Indicates trend and momentum in an attempt to determine stronger buying or selling signals. Real-time charts provide and tracks current positions with Chartists, and provides custom technical alerts to help buyer enter or exit from the situation at the best time.

A stock and Monitoring options, charting, watch list, built-in option strategies, option benefit and loss zones, warnings and reminders, custom templates, and indicated automatic minimum set warning buy set by a certain form of stock buy are all included in the indicator. Users can create integrated trigger indicators to save winning trades, drawing tools to save winning strategies and automated strategies.

It can be **used on equities, futures, forex, and cryptocurrency**. Users can setup automated alerts for their phones, email, and Webhooks.

Admin will be responsible for managing basic site dynamics. They have the right to create more sub-admins and assign some rights to them and according to their assigned roles; sub-admins will be responsible for those activities.

**Note:**

1. By default, it will be in **the English Language.**
2. Place orders, view trades and positions, access market data, news, and account data
3. Connect through our proprietary Trader Workstation or IB Gateway platform
4. Develop applications in C++, C#, Java, Python, ActiveX, RTD, or DDE
5. Available via a leased line, cross-connect, or internet, VPN, dedicated line or cross-connect for desktop and mobile for protection.

# Project Overview

# Key Audience

The key audience for this platform will be:

# General Third-Party Integration

**Note:**

1. There can be more integrations while developing this software, will get client consent first.
2. Trading Api’s
   1. Build custom trading applications
   2. Integrate trading into existing applications and front-ends
   3. Access stocks, options, futures, currencies, bonds, and funds across 145 markets in 60 countries.
   4. When placing Stock , and Crytocurrency order Prompt labels each step (step -1) (step-2) (step-3) …etc for beginners to understand how to place a Market, Limit, and Stop order)
   5. When you buy stocks you will have the option of a group setting invite where you can label the group , send invites to join the special groups, request for invite to specific groups, and every group member it will show what there intial buy in percentage standing percentage and exit percentage if they decide to leave there group. Or just individual person..
   6. When buying stocks you will have a trailer setting alert with option to put sound when the market is going up on a long and alerts sound for markets going down on a short market with percentage settings for when to take profits.
   7. Use IB SmartRoutingSM, which searches for the best firm stock, option, and combination prices available at the time of your order and seeks to immediately execute your order electronically.

## Front End Integrations

These will be integrated for the development of this software added to the bot for full front-end encryption

# Key-Ingredients of this tool

# Stocks Categories

# Basic Stock Market Sectors

The basic categories most often used include:

1. Communication Services
   * Telephone
   * Internet
   * Media & Entertainment companies
2. Consumer Discretionary
   * Retailers
   * Automakers
   * Hotel & Restaurant Companies
3. Consumer Staples
   * Food
   * Beverage
   * Tobacco
   * Household & Personal Products Companies
4. Energy
   * Oil & gas exploration
   * Production companies
   * Pipeline providers
   * Gas station operators
5. Financial
   * Banks
   * Mortgage finance specialists
   * Insurance & brokerage companies
6. Healthcare
   * Health Insurers
   * Drug & Biotech Companies
   * Medical device makers
7. Industrial
   * Airline
   * Aerospace & Defense
   * Construction
   * Logistics
   * Machinery
   * Railroad companies
8. Materials
   * Mining
   * Forest Products
   * Construction Materials
   * Packaging
   * Chemical Companies
9. Real Estate
   * Real estate investment trusts
   * Real estate management & development companies
10. Technology
    * Hardware
    * Software
    * Semiconductor
    * Communications Equipment
    * IT services companies
11. Utilities
    * Electric
    * Natural gas
    * Water
    * Renewable Energy
    * Multi-Product Utility Companies

# Webpage

**Note:** The webpage allows the users to take a tour of the product, subscribe to the services, and read the content of the pages**.**

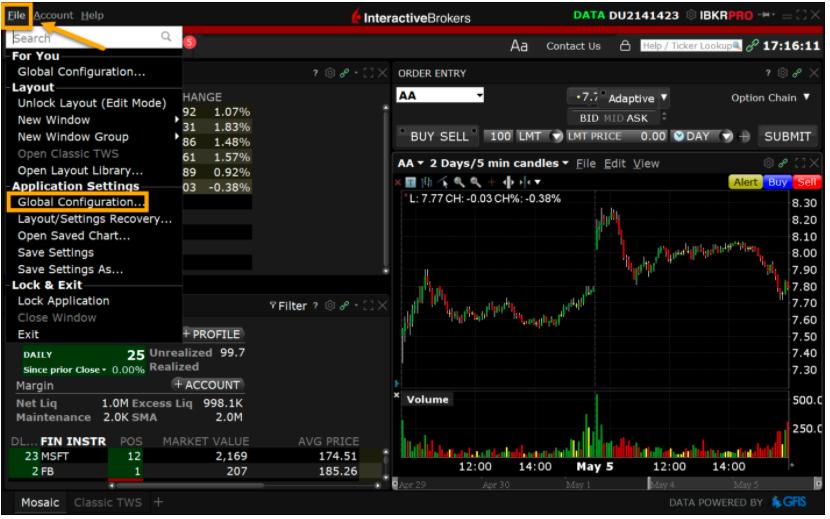
Web-Admin

## Functional Requirements Webpage

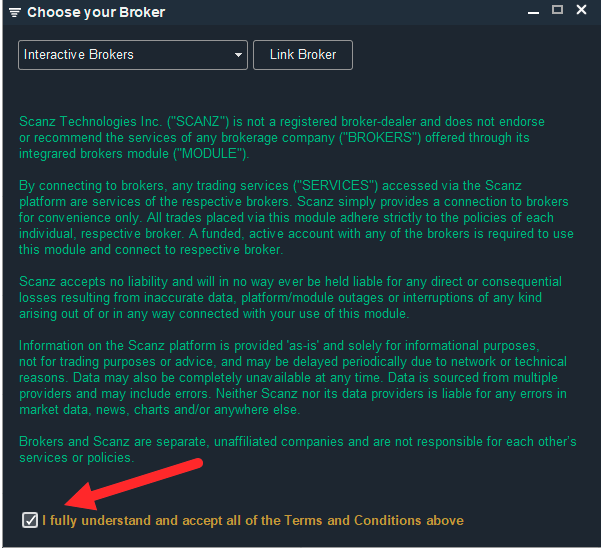
1. CMS Pages
   1. See CMS pages content
2. Subscriptions
   1. See subscription packages
   2. Subscribe for any package
   3. Get access to the software
      1. Users can install exe to their desktop and manage their trades.
      2. Menu
3. Account
   1. See/Manage Profile Details
   2. See/Mange billing details
   3. See/Manage subscription packages
      1. Upgrade
      2. Downgrade
4. Payment Gateways
   1. Select the gateway to pay for their subscription

## Functional Requirements Desktop

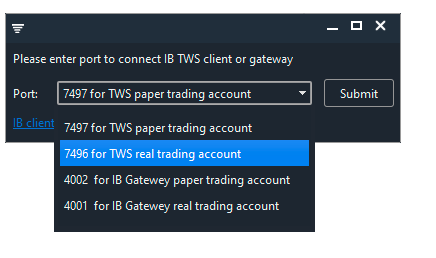
1. Installation
   1. Install Exe file to the system
   2. Run file
2. Login
   1. Login using web credentials
   2. Forget Password
      1. Enter old password
      2. Enter New
      3. Re-Enter New Password
3. Alerts
   1. Price
      1. Price
         1. Enter Symbol
         2. Last price
         3. Equal to or greater than
         4. Add Comments
         5. Create Now
      2. Pending Alerts
         1. See with
            1. Created Date
            2. Symbol
            3. Notification
            4. Comments
            5. E-Mail
      3. Triggered Alerts
         1. Alerts can be of
            1. Real-time customize phone text messages & email stock buying trigger Alerts pre-set setting across all foreign and domestic stock markets hooked up.
         2. Alerts can be seen with all these entities
            1. Triggered Date
            2. Triggered Time
            3. Triggered Text Alerts
            4. Stock company base locations
            5. Prompt triggered text/email Alert for new stock by category country
            6. Group prompt text alerts
            7. Ticker Symbol
            8. Notifications
            9. Comments
            10. E-mail
      4. Custom Trigger Alerts
         1. For New stocks
            1. Which hits the market or on before hitting for sell by Company Name , Industry and Country based or Grouped countries selected setting, with possible keywords
         2. Setup customize triggers phone text messages and email added sound alerts notification with a pre-setup by alerts.
         3. Ability to turn on and of features
         4. Feature Ablity to share and copy trading portfolios
         5. Feature pie buy group stock strategy
   2. News
      1. News
         1. Enter Ticker Symbol
         2. Select news type
         3. Add Comments
         4. Create News
      2. See news with these
         1. Created Date
         2. Symbol
         3. Notifications
         4. Comments
         5. E-mail
4. Charts
   1. Enter symbol
   2. Select style
   3. Select interval
   4. Select indicator
   5. Draw
   6. Select template
   7. See charts
5. Toolbox
   1. Real-Time /digital virtual
   2. Link drop-down for other international countries stock markets to place orders.
      1. Enter Symbol
      2. Filter trade by
         1. Time
         2. Price
         3. Shares
         4. Id
         5. Ask
         6. Date
         7. Show real-time ask price on other sites when placing orders.
   3. Historical
      1. Enter symbol
      2. Select time
      3. Filter by trade size
         1. From: To
   4. Internals
6. Watch list
   1. See from the drop-down list
   2. Enter Symbol
   3. Add Ticker
   4. See the list with these entities
      1. Time
      2. Symbol
      3. Company Name
      4. Bid
      5. Ask
      6. Last
      7. Net Change
      8. % Chg
      9. Volume
      10. Trades
   5. News Types
      1. Time
      2. Symbol
      3. Subject
7. Trading
8. **Explorer hunter button so somebody's hunting for stock opportunities, setting Text Alerts, Email to set buy cost volumes by categories types of stocks by country locations.**
9. **Query button to search list of stocks by country locations and types.**
   1. Global Configuration



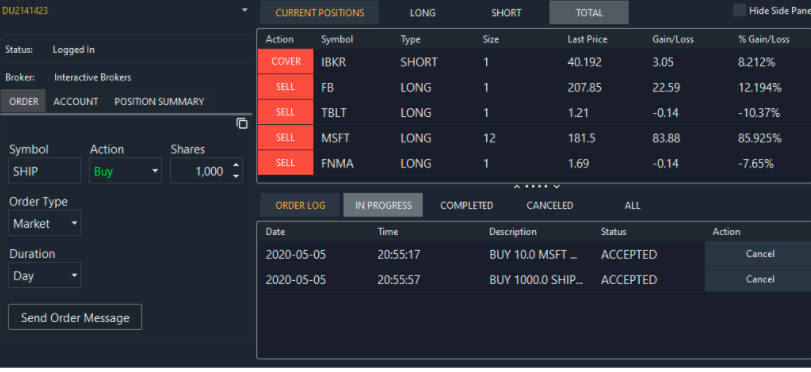
* 1. Choose Broker



* 1. Link broker

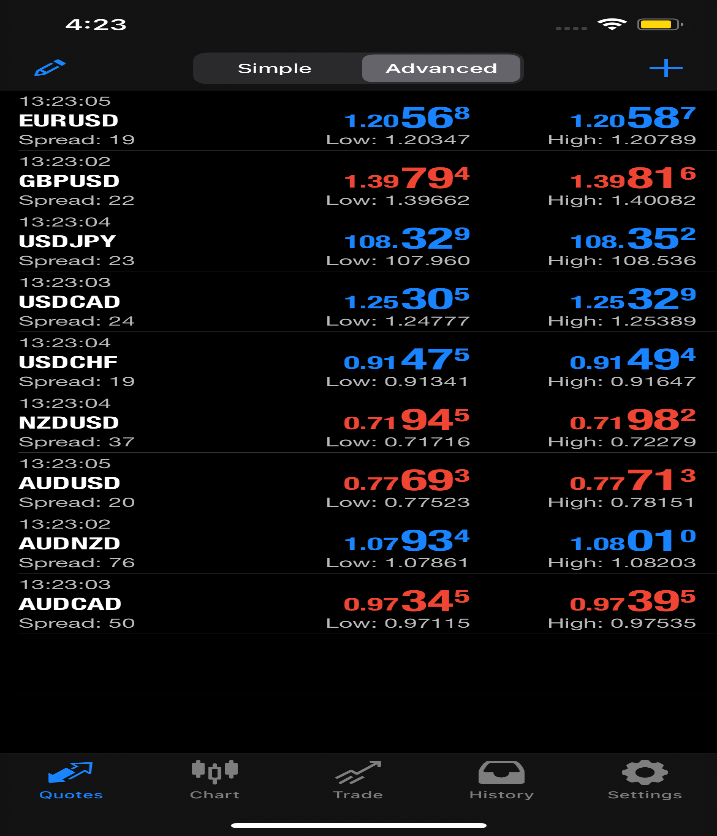


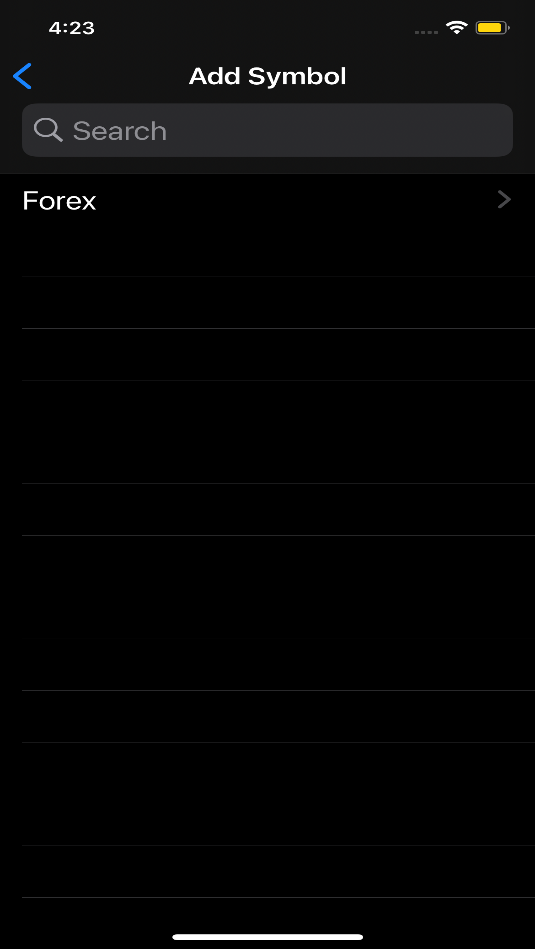
* 1. Trade



1. Settings
   1. Manage filters and other settings like can,
      1. Add pre-existing pricing, volume available for sell, daily volumes from other platforms.

# Mobile Applications

1. Login
   1. Can log in using the dialogue box
      1. Enter credentials
         1. Email
         2. Password
   2. Forget Password
2. Account
   1. Open Account
      1. Add details
      2. Two-factor authentication
3. Profile
   1. See basic information
   2. Update Information
4. Quotes
   1. Simple
   2. Advances
      1. Add New



* + - * 1. See list



* + - * 1. Details



1. Charts

Can add customize sound alerts with chart Analysis name and reading Signal alerts for buying the best option trades projections prompting me with the best buying alerts via text messages or emails. **List the number of new stocks next to the country for easy selections and the date the stock hit the market for sell by pre-set trigger text messages or emails or both.**

**Forex EA and Arbitrage EA Bots**

**Features: Must have Arbitrage 3 and 2-Triangular Effects :Simple type Fiat, triangular arbitrage Crypto Triangular, Convergence Catch and Carry.**

**algorithm have to be clever enough to know how Calculate your potential profitability.**

**Take in consideration your fees for each country how much it is to deposit withdrawal fees credit card payment fees taxes breakdowns , broker fees.**

**Something else to take into account processes pay attention to the crypto value at face value.**

**Have a Explorer hunter button so somebody's hunting for arbitrage opportunities can go in click that button it will go and look at the depth and split with calculations. Algorithm/bot have to be clever enough to know how**

**3 or 2 triangle or Angle has a forward and reverse to explorer opportunities going forward and backard so you can see and you know three different swaps going on.To able to communicate with aleast 30 broker at a time and to see the broker prices features.**

Wallet integration  
Coin master   
Email notifier

VPN Set-up

Text notifier  
Secure admin panel  
Profit &loss Indicators   
ogba  
exchange rate  
ibala alarm

Multiple different types of bid

Then time of buying and selling Indicators

**Hedge or 2-Legs Arbitrage- 3-Legs and 18 Top Scanning tools.**

[http://offers.fxpartner.net/2-legs-ar...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqa1VsYUkxdk82ZTd1SmJNYU1yc0txQjBXeU1Yd3xBQ3Jtc0ttZHhoN0pVSmdTZnVteEhGY3ZjTzNDOWxERy1aclY5SlZabUZoVHNmMlp5VnJBRG1MYmwwQldwbDRmUHpDMmp0REZoLVdNazloNnJLanU0LXk2ZXhnZUtNb0lLTTlaR3JnVmMzdmJ0WjVvVjVlZXpaUQ&q=http%3A%2F%2Foffers.fxpartner.net%2F2-legs-arbitrage" \t "_blank) 2-Legs Forex Arbitrage Software; <https://youtu.be/Xy_muSWgA3w>

Burn Notice > <https://youtu.be/RCDD_uT3Pnk>

Option Trades 100s of Indicators Included

Technical Analysis Indicator Chart Robot Reader- to make our bot take advantage of winning streaks

FOREX EA Robot with manual Leverage setup 1X,2X,3X, 4X, 5X, 6X, 7X ….ETC

Technical analysis  
Market Making  
Machine Learning  
Visualization tools (GUI, charts)

Moving Average Convergence/Divergence (MACD)

Moving Averages

Stock Keywords Alerts

On-Balance Volume (OBV)

Relative Strength Index (RSI)

Backtesting tools  
Signal parsing (from various sources, social networks, brokers...)

RPA (UiPath)  
Profitable Strategies(edit,create&use)  
Indicators

VPN

**Forex volatility calculator**

(MT4/5) by [MetaQuotes](https://www.metaquotes.net/en)

**Trade journal**

IB SmartRoutingSM

**Currency correlation matrix**

**Economic calendar**

Developed a complete algorithm trading system  
Implemented autonomous airbitage strategy in cryptocurrencies.

Develop applications in C++, C#, Java, Python, ActiveX, RTD or DDE

Available via leased line, cross-connect or internetAvailable via internet, extranet, VPN, dedicated line or cross-connect for desktop and mobile for protection.

**Two-factor authentication for mobile and desktop solution**

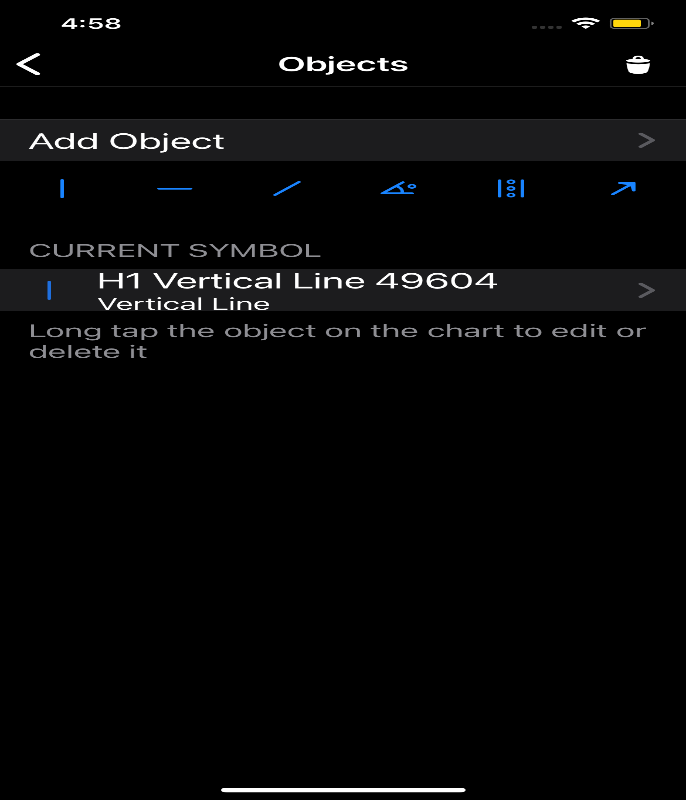
**Stock market sectors categories, where it shows country base orgins of stocks or originated by each categories.Also with a set up of stocks group by categories receiving as many alert as want by keywords or categories/group names.**

You'll often see stocks broken down by the type of business they're in. The basic categories most often used include:

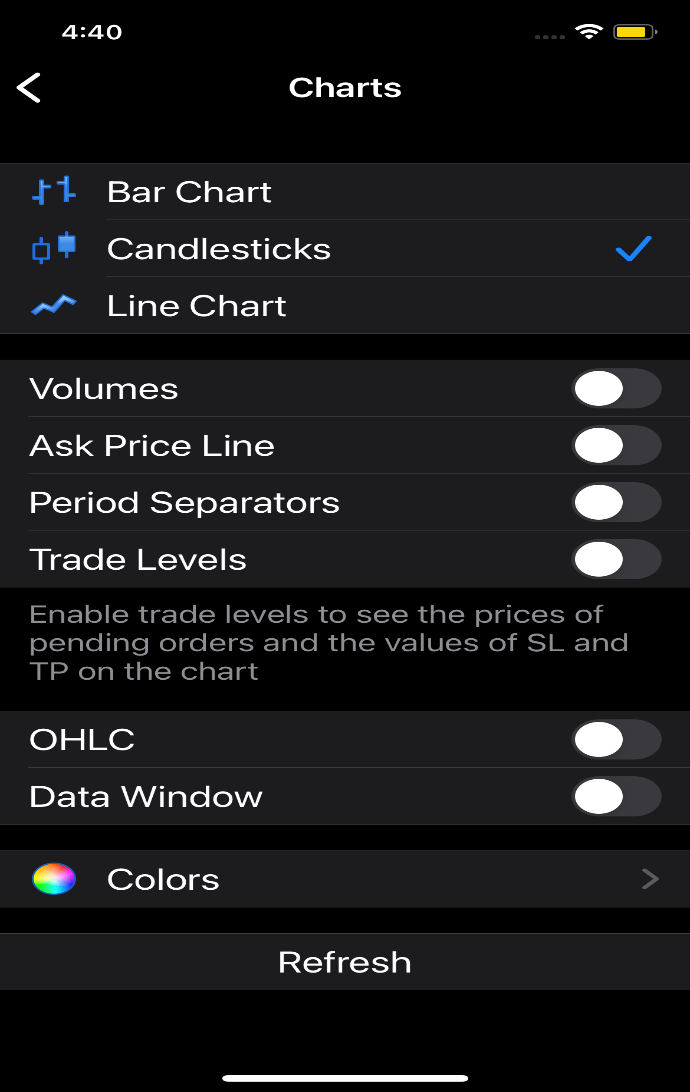
* **Communication Services** -- telephone, internet, media, and entertainment companies
* **Consumer Discretionary** -- retailers, automakers, and hotel and restaurant companies
* **Consumer Staples** -- food, beverage, tobacco, and household and personal products companies
* **Energy** -- oil and gas exploration and production companies, pipeline providers, and gas station operators
* **Financial** -- banks, mortgage finance specialists, and insurance and brokerage companies
* **Healthcare** -- health insurers, drug and biotech companies, and medical device makers
* **Industrial** -- airline, aerospace and defense, construction, logistics, machinery, and railroad companies
* **Materials** -- mining, forest products, construction materials, packaging, and chemical companies
* **Real Estate** -- real estate investment trusts and real estate management and development companies
* **Technology** -- hardware, software, semiconductor, communications equipment, and IT services companies
* **Utilities** -- electric, natural gas, water, renewable energy, and multi-product utility companies



* 1. Upon click on the trade can see these options



* + - 1. Settings



* + 1. Trade



* + - 1. Sell/Buy



* + - 1. Can see the List the number of new stocks
         1. Select from drop down, next to the country for easy selections with the date of the stock hit the market for sell.
    1. Indicators
       1. Select From List
          1. Trend

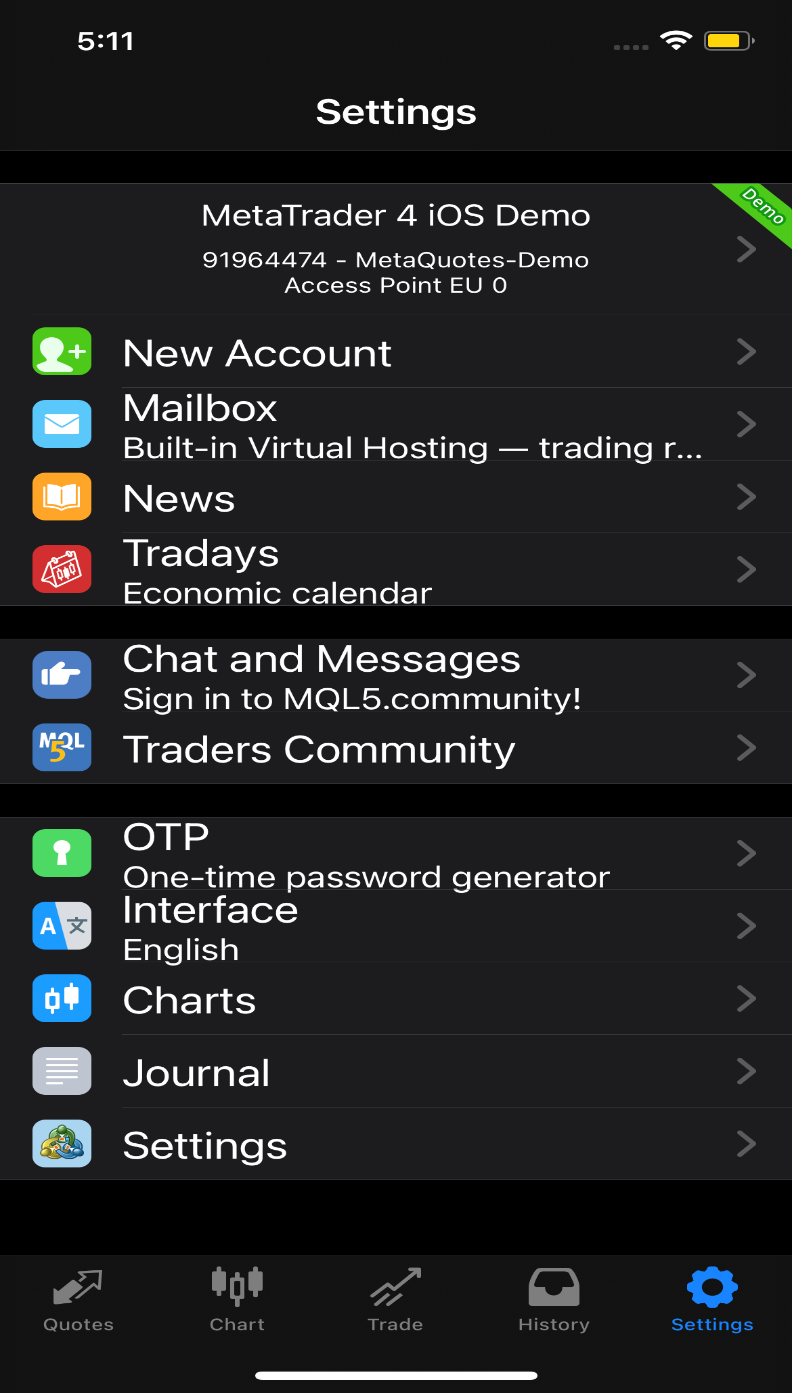
Stocking Trending click Alert showing daily count buying volume, viewed look at it, sold it signals, and looked up count alerts.

* + - * 1. Oscillators
        2. Volumes
        3. Bill

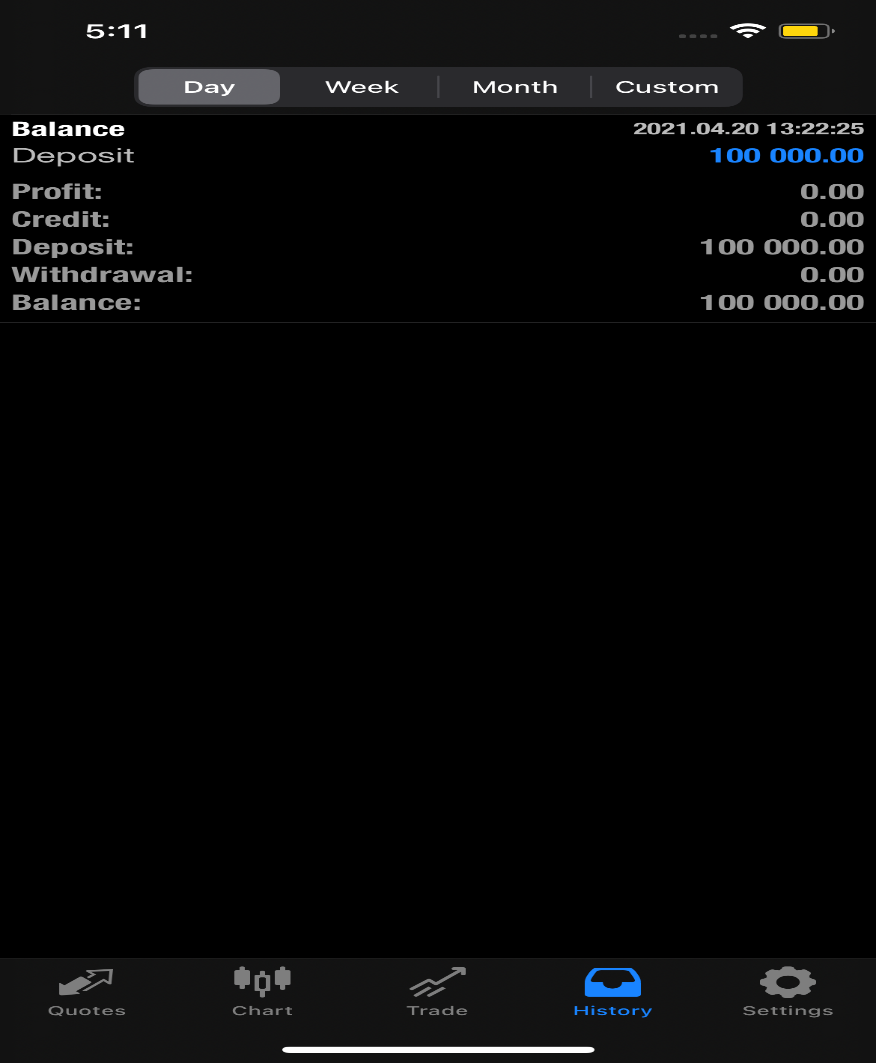
Market Oscillators

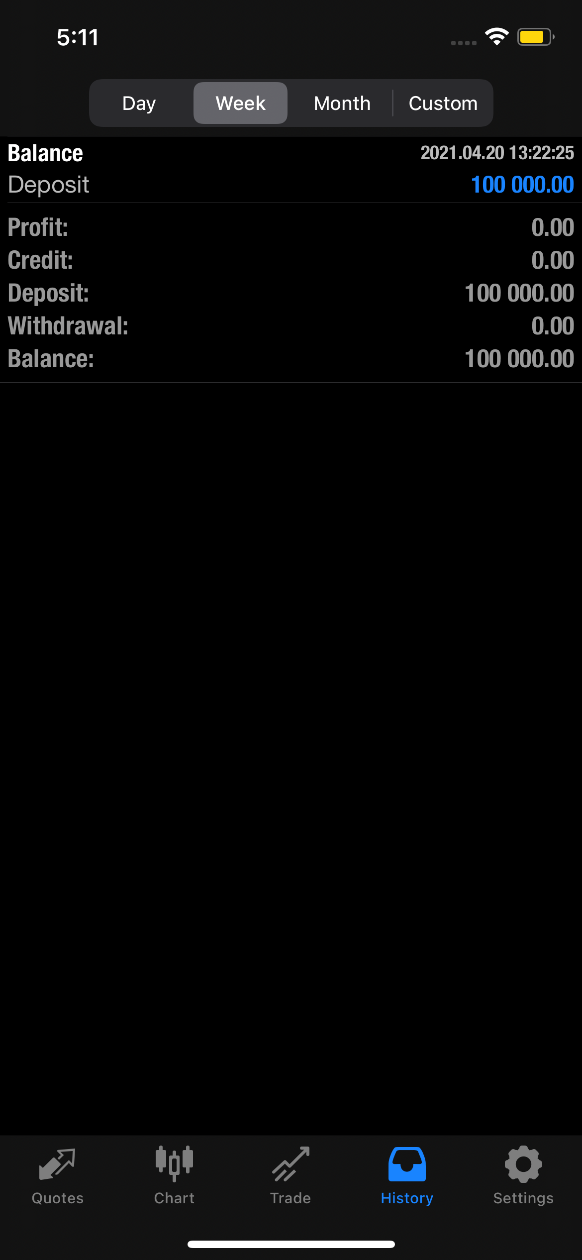
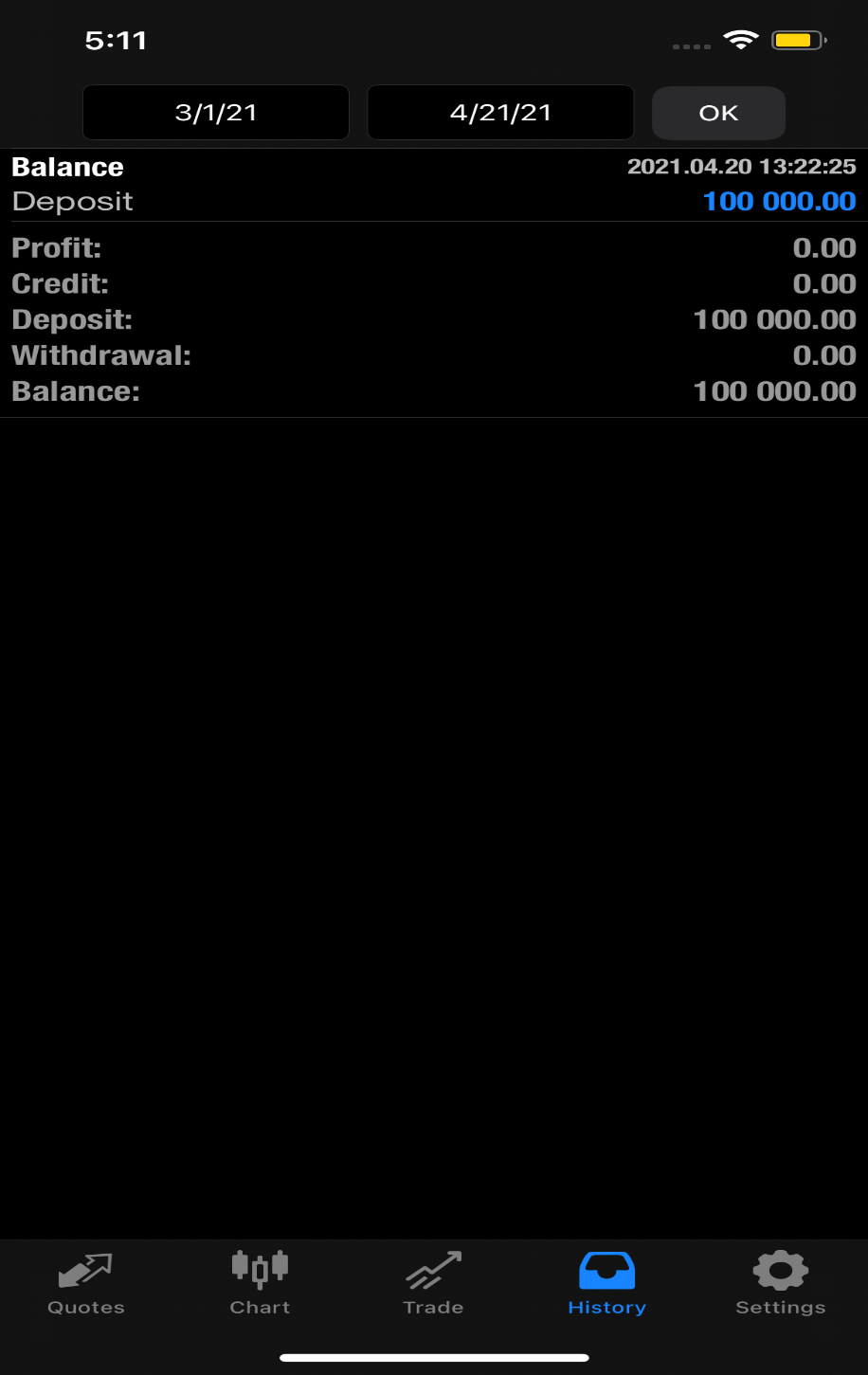
Etc.

* + 1. Objects
    2. Settings



1. History



* 1. 
  2. 

### Web-Admin

1. Login
   1. Can log in using the dialogue box
      1. Enter credentials
         1. Email
         2. Password
   2. Forget Password
      1. Can forget password
         1. Can enter a registered email address and get instructions on the provided email.
2. Profile Management
   1. Can view his profile information
      1. Can edit/update profile information
      2. Can save profile information
   2. Can change Password
      * 1. New Password
        2. Password Confirmation
        3. Current Password
3. CMS
   1. View/Edit CMS Pages
      1. About Us
      2. Etc.
4. Charts
   1. View Charts
   2. Manage Settings
5. Trading
   1. Manage Trading’s and history
   2. Be
6. News
   1. Manage News
   2. News will be fetched from different sources
7. Notifications
   1. Alerts will be generated
8. Chat
   1. Manage chat
   2. Manage who can sign up and who can’t
   3. Ability close or open sign ups to the platform
9. Subscriptions
   1. Manage subscriptions
10. Users Management
    1. View all registered user details
    2. Block any user at any time for any reason
    3. Manage user’s profiles
11. Content management
    1. Can view and manage the content of the site CMS pages
12. Role management
    1. Can create more admin users (sub-admins)
    2. Can set the roles for each admin user
    3. Can set the permissions for each role
    4. Can add/edit/delete any user for any time for any reason at any time
    5. Can remove/block any sub-admin
13. Wallets
    1. Manage crypto wallets
14. Exchanges
    1. Manage exchanges data
15. Payment Gateways
    1. Manage payment gateways for the customers to pay for their orders
16. Third-Party API’S
    1. Enable/Disable API.
17. Logout
18. highly secured security $150 that secures and timeout if not in use
19. Domo theme layouts to add future other parts and and phone app design sent to developers
20. Please look at the reference area.

## Non-Functional

1. To develop an interactive, dynamic, and timely service for the client.
2. To develop a modern, sleek Website & mobile apps with an admin panel while retaining simplicity and maximum security
3. Each screen will contain appropriate content and it will be displayed in a well-mannered fashion
4. Simple to navigate, dynamic, tech-savvy, and innovative look-and-feel.

# Tools and Technologies

Following Tools and Technologies will be used for the development of the Webpage & Admin Panel:

Hosting Specification: Linux  
Development Language: PHP   
Backend Database: MySQL

Following Tools and Technologies will be used for the development of the desktop software:

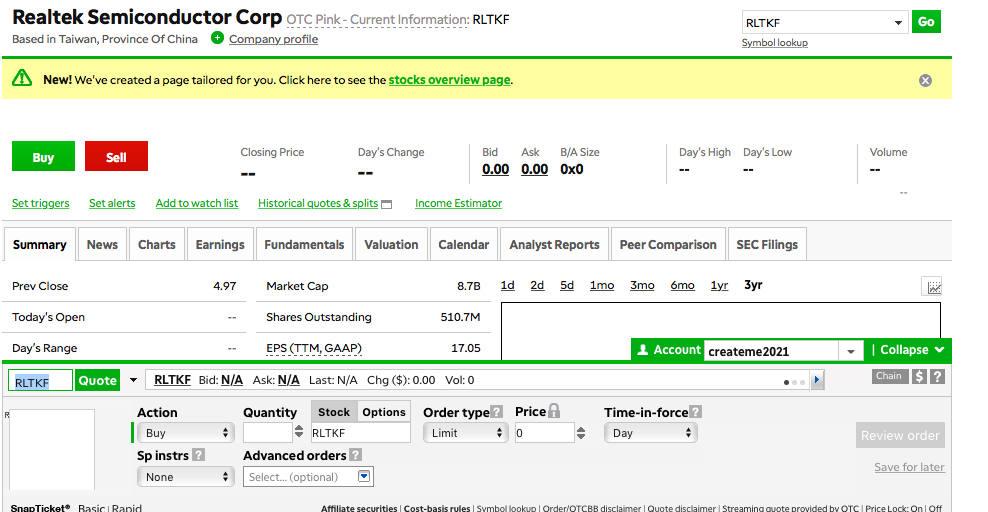
Hosting Specification: Linux  
Development Language: dot net   
Backend Database: MySQL

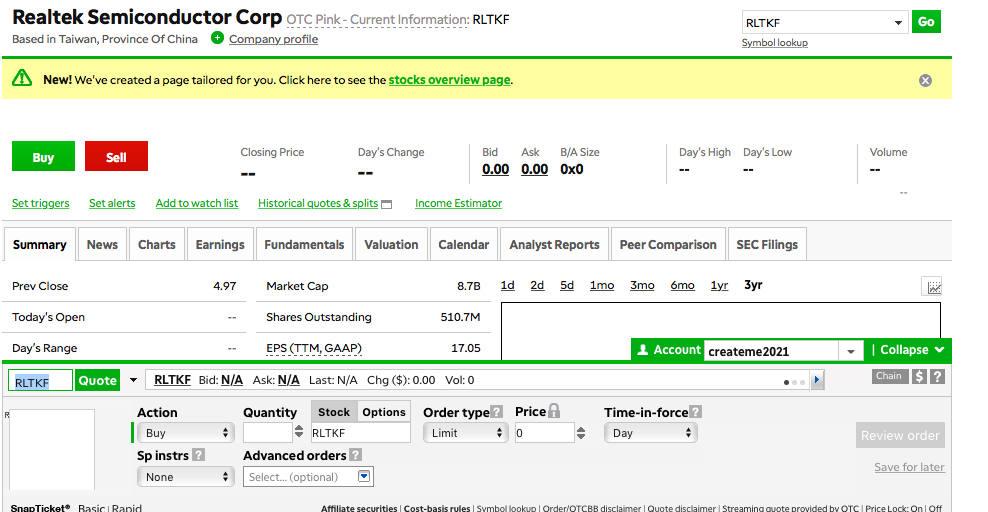
Following Tools and Technologies will be used for the development of the Android Application:

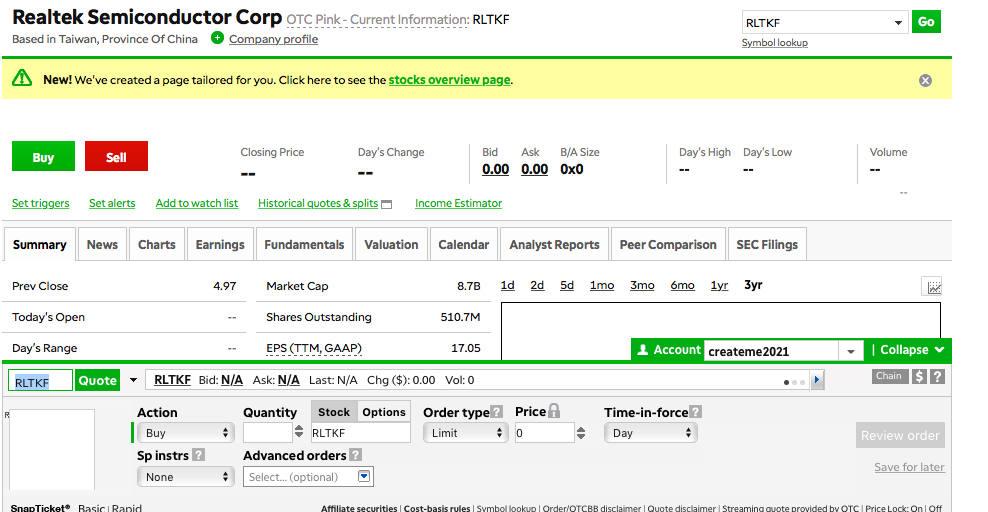
Hosting Specification: Google Play Store  
Development Language: Kotlin   
Backend Database: Room

Following Tools and Technologies will be used for the development of the IOS Application:

Hosting Specification: AppStore  
Development Language: Swift 5   
Backend Database: Core Data







# Triangular Arbitrage EA

<https://youtu.be/poO3oEvVPI8>

Two leg arbitrage with two fix api brokers and are trading and FOK (Fix or Kill) orders, You will reduce the risk of arbitrage trading to zero.

Theoretically, this is a risk-free strategy. Our EA runs with 10 packages. 1 package opens 3 orders, so 10 packages become 30 orders. Don’t be afraid of lots of orders because this strategy is like hedging, the loss is only in spread. EA will close per package after achieving the profit that we specify, of course if you want large profits, you must set a large lot as well.

References to be used:

<https://youtu.be/yRKAxoxwHec>

<https://youtu.be/YLB8fc0i_xY>

<https://youtu.be/TO7DQwpCPQg>

<https://youtu.be/Rlx8LjHo9Jc>

<https://youtu.be/YLB8fc0i_xY>

<https://youtu.be/eqwobTM0KQY>

<https://youtu.be/BFqjBrMHPRU>

<https://www.forex.com/en-us/lp/forex-brand-trust-live/?cid=0002776298&gclid=CjwKCAjwg4-EBhBwEiwAzYAlslA_NSgaWJwUHNDx4SkxuRXJvvAwWTMPGx9YaqNQUQvl2EbYVYM5YBoCwpYQAvD_BwE&gclsrc=aw.ds>

<https://www.tradestation.com/promo/cash-reward-nw/?utm_source=Nerdwallet%2C%20Inc_170911&utm_medium=Affiliate&utm_campaign=712193_NerdWallet-Cash%20Reward%20NW&utm_term=BaseBrand&clickid=w3-1nPWnUxyLWB-wUx0Mo36KUkB0IQSZT12P1g0&irgwc=1&offer=0035AEUX>

<https://www.interactivebrokers.com/en/index.php?f=1338&prtnr=nw>

<https://www.tdameritrade.com/why-td-ameritrade.page?a=&cid=PSRLSA&cid=PSRLSA&ef_id=CjwKCAjwg4-EBhBwEiwAzYAlsnJIKpYceUj-IKCoAKl61NOiYYAp7zkeuimLTSjgTZFZWjkEYW1aPhoCaiYQAvD_BwE:G:s&s_kwcid=AL!2521!3!454893825063!e!!g!!tdameritrade%20login&referrer=https%3A%2F%2Fwww.google.com%2F>

<https://client.schwab.com/public/branchlocator/branchdetails.aspx?branchid=1271>

<https://us.etrade.com/what-we-offer/how-it-works/promo?ch_id=A>

<https://youtu.be/FP-P-pb_hkA>

<https://www.trading212.com>

<https://www.youinvest.co.uk>

Layout Thems:

https://youtu.be/pbCRbXUiepo

<https://dribbble.com/tags/trading_app> (520)(295) (440)

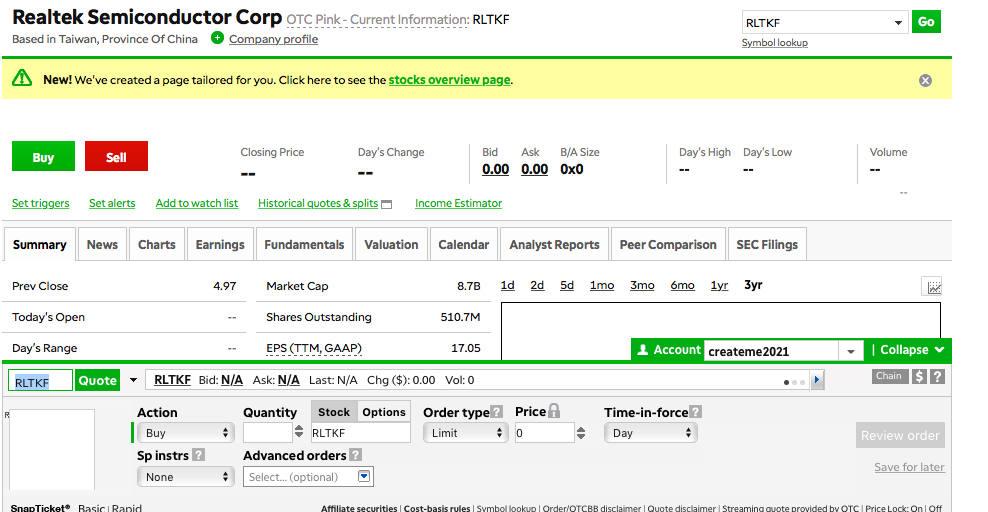
<https://youtu.be/BJHkZwaBipY>

<https://youtu.be/8LEtIQFv1bE>

Hootsuite Beginner Tutorial - How To Manage Your Social Media Account

**What I’m Looking for in this mobile and desktop Stock Analysis Software**

* **Real time analysis digital without** Delayed information to be helpful when making quick decisions.
* The software should also be customizable to read, analyze, interpret, adapt, store new winning chart analysis techniques so you can modify any charts to fit your specific trading needs
* Alert new winning opportunities to buy, sell and hold.
* Show average time blocks stock drop in price in the markets.
* Easily interpreted and acted upon with a good interface, which translates into simplicity and speed.
* The central feature in stock analysis software is the stock chart. Stock charts provide visual representations of a variety of stock data, including pricing and trading volume, ask price, bid price , stock originated country base location. At a minimum, a chart should display the price data, including changes, on a line graph.
* **Linking API**
* More advanced tools may incorporate price momentum, market sentiments, and even social trend followers/ visits media buzz into your analysis with number figures. To identify important trends that simple price tracking doesn’t fully provide.
* Show market average timing drops capture even with stock analysis.
* **Relative Strength Index (RSI)**: This is the number of up days compared to the number of down days. It can indicate if a stock is overbought, which might be a good time to sell, or if it’s oversold and ready to pop back up. RSI is assigned a value of between zero and 100 (greater than 70 means overbought and lower than 30 generally means oversold
* **On-Balance Volume (OBV):** This metric measures uptrend volume compared to down trend volume. What you’re attempting to determine is the conviction of the market of the security price at a certain level. For example, low down trend volume can indicate a security is about to turn higher. By contrast, low uptrend volume can indicate a lack of conviction about the direction of security, and signal a price reversal.
* **Moving Averages**: This metric tracks the 200-day moving average of a security. There’s also a 50-day moving average, which tracks the recent price action over a shorter timeframe. Typically, when the two averages converge it confirms the trend, which can indicate either a buy or sell signal. For example, when the 50-day moving average for a stock falls below the 200-day moving average, it’s a sell signal. When it rises above the 200-day moving average, it’s a buy signal.
* **Moving Average Convergence/Divergence (MACD)**. This is an oscillator indicator that indicates trend and momentum in an attempt to determine stronger buying or selling signals. It can provide more clarification of a trading signal when other indicators are not providing clear direction. Using zero as a baseline, MACD lines greater than zero indicate a potential buying opportunity, while lines below zero can indicate a time to sell
* real-time charting provides and track the industry’s best technical tools and resources on your desktop, laptop, smartphone, or tablet. Designed to serve both active advanced scanning tools, award-winning charting and annotation tools, the ability to track your positions and your entire portfolio with ChartLists, and provides custom technical alerts to help you enter or exit your position that the best time.
* Software, which uses BATS real-time data for US markets and real-time data for international markets new features, including premarket buzz, historical condition testing, color bars, synchronized chart and scan time frames, and much more.
* indicator, step-by-step”. They offer a stock and options screener, options, charting, watchlist, built-in option strategies, option profit and loss zones, alerts and reminders, custom layouts, indicated automatic minimum set alert buy set by a certain type of stock buy.
* –Build integrated trigger indicators that store winning trades, drawing tools that store winning stratigies, automated strategies and much more. Advanced charting store analysis’s provides you with the ability to trade directly from your chart.
* A.I. Virtual Trading Analyst Holly – 4 different constantly evolving A.I. algorithms
* Chart Based A.I. Trade Assistance & Entry and Exit Signals
* Risk Assessment – Detailed information on the backtested performance of the recommended trade.
* Build and Backtest any Trade Idea – Extremely powerful point & click backtesting system.
* Autotrade w/ Brokerage Plus and A.I. – Advanced auto trading using Interactive Brokers.
* EA and Arbitrage
* Ok
* Base on percent profit  
    
  50%  
  60%  
  70%  
  80%  
    
    
  Integrating the server and encrypting all the codings bought from the programming studio(API) to run full automation and python to code your the server with the exchange  
  and integration for you to be able to withdraw directly to your ba nk or wallet supporting global exchange with complete bot features  
    
    
  this are the front end integrations that will be added to the bot for full front end encryption



<https://statisticalatlas.com/United-States/Overview>

<https://topforeignstocks.com/foreign-adrs-list/>

<https://www.cnbc.com/quotes/EULIF>

<https://phemex.com/register?group=1059&referralCode=F9JEA2>

<https://youtu.be/RUepw4xKZxI>

<https://youtu.be/Ir803Hzzyz4>

**Here is a list of things that you should look for in technical analysis software:**

* Historical and real-time data.
* Ease of use.
* Customizable charts.
* Analytical **tools**.
* Live and breaking news.

What are the different categories of stocks?

**Here are the major types of stocks you should know.**

* Common **stock**.
* Preferred **stock**.
* Large-cap **stocks**.
* Mid-cap **stocks**.
* Small-cap **stocks**.
* Domestic **stock**.
* International **stocks**.

1. Growth **stocks**.
2. Common stock
3. Preferred stock
4. Large-cap stocks
5. Mid-cap stocks
6. Small-cap stocks
7. Domestic stock
8. International stocks
9. Growth stocks
10. Value stocks
11. IPO stocks
12. Dividend stocks
13. Non-dividend stocks
14. Income stocks
15. Cyclical stocks stocks
16. Non-cyclical stocks
17. Safe stocks
18. ESG stocks
19. Blue chip stocks
20. Penny stocks
21. Scalping, day trading, swing trading, and position trading are classified by their trading frequency.

**Stock market sectors categories, where it’s country base orgins or originated from categories.**

You'll often see stocks broken down by the type of business they're in. The basic categories most often used include:

* **Communication Services** -- telephone, internet, media, and entertainment companies
* **Consumer Discretionary** -- retailers, automakers, and hotel and restaurant companies
* **Consumer Staples** -- food, beverage, tobacco, and household and personal products companies
* **Energy** -- oil and gas exploration and production companies, pipeline providers, and gas station operators
* **Financial** -- banks, mortgage finance specialists, and insurance and brokerage companies
* **Healthcare** -- health insurers, drug and biotech companies, and medical device makers
* **Industrial** -- airline, aerospace and defense, construction, logistics, machinery, and railroad companies
* **Materials** -- mining, forest products, construction materials, packaging, and chemical companies
* **Real Estate** -- real estate investment trusts and real estate management and development companies
* **Technology** -- hardware, software, semiconductor, communications equipment, and IT services companies
* **Utilities** -- electric, natural gas, water, renewable energy, and multi-product utility companies

**The Benefits of having type Forex Trading software**

The forex market has various benefits compared to other financial markets like the stock, bond and commodities markets.  Here are several key benefits of forex trading:

1. **High liquidity:** The forex market is the largest and most liquid financial market in the world. Due to the high number of forex market participants, it operates efficiently and is less subject to manipulation by large players.
2. **Low cost:** Most online forex brokers do not charge commissions or fees like you may need to pay when trading equities. You instead just pay away the dealing spread.
3. **Low capital requirements:** You can open a forex trading account and start operating with very little money.
4. **Leverage:** Since forex trading involves an exchange of assets rather than a purchase, the leverage available to traders can be quite high. U.S.-based traders can leverage the money in their margin account up to 50:1, EU based traders can use 30:1 leverage, and those located outside of those jurisdictions can employ leverage of up to 1,000:1, depending on the broker selected.
5. **Volatility:** Currency pairs tend to display moderate volatility and can react sharply to certain events. This can be taken advantage of by nimble traders. Volatile markets can offer great opportunities for short term and momentum traders.
6. **No restrictions on shorting:** In a forex transaction, you’re always going short one currency and long the other. If you want to short a currency, you do not have to worry about an uptick rule like in the U.S. stock market.

Here’s our list of the 9 best forex tools:

* **Trading platforms:** Advanced trading platforms like MetaTrader 4 and 5 (MT4/5) by [MetaQuotes](https://www.metaquotes.net/en) let traders enter orders and offer many features for analyzing the forex market in real time.
* **Charting software:** Most advanced forex trading platforms provide real time charting services, although you can also obtain charting software elsewhere.
* **Economic calendar:** An economic calendar lists the time and date of important economic data that can affect currency pairs when released. The data includes employment and inflation numbers, gross domestic product (GDP) and central bank meeting dates.
* **Financial news wire:** News can significantly affect the direction of exchange rates. A premium financial news wire gives traders timely access to information that might affect the forex market.
* **Trade journal:** Keeping a trade journal gives you valuable insight into both your losing and winning trades. Some companies provide software designed just for this purpose.
* **Copy trading service:** Copy trading involves selecting an experienced trader to duplicate their trades in your account. Some brokers like eToro offer this service.
* **Currency correlation matrix:** Correlation measures how one currency pair’s exchange rate changes relative to the exchange rate of another currency pair. A set of correlations comprise a currency correlation matrix, which lets you visualize the interconnectedness of currency pair exchange rate movements.
* **Time zone converter:**Certain trading sessions and times are better than others for trading specific currency pairs with respect to liquidity, volatility and trading volume, so knowing what those times are in your local time zone can be extremely important to forex traders.
* **Forex volatility calculator:** A volatility calculator takes a currency pair’s historical exchange rate data and determines the historical volatility in real time for various different time frames. The historical volatility of a currency pair gives a trader an idea of the risk involved in trading that particular currency pair.

### Ease of Use

Once you’ve opened a demo account with an online forex broker, and you’ve familiarized yourself with the trading platform, getting access to and using the various forex trading tools mentioned above shouldn’t be difficult.

If you decide on a broker that supports the MT4/5 trading platforms, then you should get access to the MT4 and 5 mobile trading app. The MT4/5 mobile trading app is one of the [best forex trading mobile apps](https://www.benzinga.com/money/best-forex-trading-app/) and offers many of the features available on the popular desktop version.

### Accuracy

In normal markets, you can expect a high degree of accuracy from your forex tools as long as the exchange rate feeds they use are of a high quality. When the market heats up with increased trading volume and exchange rate swings, the accuracy of your software may be adversely affected.

### Price

While many of the best trading tools can be accessed via popular trading platforms like MT4/5 or proprietary software offered by brokers to their clients, 3rd party providers will generally charge either a purchase price or a monthly fee depending on the services provided.

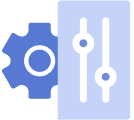
In addition to signals and indicators, many 3rd party services provide educational and research resources. The cost for 3rd party services can vary significantly. The cost for a service typically increases depending on the extra features provided.

The Market Scalper Algo (MS Algo) is a tool that currently works only within [TradingView](https://www.tradingview.com/" \t "_blank) to overlay your financial charts with signals to buy and sell. It also provides independent exit signals for each.

The tools can be **used on equities, futures, forex and cryptocurrency**. It uses proprietary technology and strategies to provide the most accurate signatures. You can setup automated alerts for your phone, email and Webhooks.

**See how TrendSpider technical analysis software can**

**help you make smarter, more efficient trading decisions**



**Automate your**

**grunt work**

Customize and automate the manual technical analysis you would otherwise do by hand - your way, your rules.



**Speed up**

**your analysis**

Comprehensive, fully automated technical analysis on any chart, on-demand, in under 60 seconds.



**Improve your**

**accuracy**

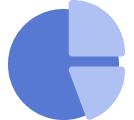
Analysis powered by algorithms, formulas and math, not tweets, "expert opinions" or "gut feelings."



**Reduce costly**

**analysis mistakes**

Remove bias, emotion, social influence, FOMO, and other costly analysis mistakes from your routine.



**Find winning**

**chart setups**

Market Scanner makes it easier than ever for you to quickly and accurately find actionable chart patterns.



**Time your trades**

**with precision**

Use algorithms to watch your chart setups for you in real-time to make your trade timing more precise.

Trading APIs

* Build custom trading applications
* Integrate trading into your existing applications and front-ends
* Develop commercial trading software
* Access stocks, options, futures, currencies, bonds and funds across 135 markets in 33 countries.
* Use IB SmartRoutingSM, which searches for the best firm stock, option and combination prices available at the time of your order and seeks to immediately execute your order electronically.

##### eaey Features:

* IBKR's proprietary, open-source API
* Place orders, view trades and positions, access market data, news and account data
* Connect through our proprietary Trader Workstation or IB Gateway platform
* Develop applications in C++, C#, Java, Python, ActiveX, RTD or DDE
* Available via leased line, cross-connect or internet

## FIX

IBKR's industry standard FIX connection lets institutions with advanced technical resources create trading systems that take advantage of our high-speed order routing and broad market depth.

##### Key Features:

* Robust industry standard solution
* Provides direct access to the IBKR trading system
* Market data and account data are not available
* Available via internet, extranet, VPN, dedicated line or cross-connect for desktop and mobile for protection.

**Two-factor authentication for mobile and desktop solution that can meet your organization's security needs:**

Multi-factor authentication is an electronic authentication method in which a device user is granted access to a website or application only after successfully presenting two or more pieces of evidence to an authentication mechanism

# ing Video With Two-Factor Authentication (2FA)

# Securing Video With Two-Factor Authentication (2FA)