White Paper

Rank.trading

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Overview

Rank is a DeFi trading platform with AI tools specifically designed for advanced traders with or without coding experience. Like OpenSea for NFT, Rank is a marketplace for traders where the performance of each trader's strategy will be ranked according to return, with rankings innovatively displayed so that anyone can follow day-to-day performance. This in turn allows peers on Rank—even someone without any trading knowledge—to evaluate the rankings and invest in any trader's strategy that best suits their expectations in terms of risk and reward.

Before deploying a strategy, traders can check past performance with our special forward-test AI tool. With this tool, a trader will be able to simulate how a strategy would have performed live, day after day, just by selecting a starting date in the past. This is much different from standard backtesting, where performances are calculated linearly from the current present back to the past, usually with a high tendency toward mathematical optimization of the results that does not reflect the daily strength of the performance.

Rank enables anyone to build and deploy their own trading strategies by selecting from a list of main technical indicators and moving averages, which the platform then uses to automatically execute trades. This can be done with no prior programming experience. On Rank, the deployment of new no-code trading strategies ('Strats') is done easily via a step-based graphical interface, similar to an iPad app. Thus, Rank provides users with a platform for finding investors as well as investments.

Rank offers a number of additional benefits, including:
- Enabling anyone owning crypto assets to effectively invest in DeFi, with or without prior DeFi knowledge
- Mitigating the risks inherent to DeFi that cannot easily be managed by a single passive investor
- Providing investment strategies for investors who do not have the time, knowledge, or experience to take full advantage of DeFi opportunities
- Enabling anyone to create and deploy an investment strategy and garner subsequent capital in the form of investments

Mission

Rank envisions the creation of a robust, decentralized, and automated investment platform, with the goal of bringing some of the standard traditional financial products into the DeFi environment. Here, any peer can finally use their own research or follow other traders on Rank to decide how to invest, without the necessity of a bank/bank manager or hedge fund acting as an intermediary for their investment. This makes it easy to have a quicker investment procedure and to track the various performances/returns on the initial investment without having to wait for complicated reports at the end of the year from the bank asset managers, which keep the investor dependent rather than truly in control of their money. Along with these objectives, the main technical goal of Rank is to enable

anyone to create and deploy their own investment strategies for themselves and/or for other users to invest in. For the first time, a talented trader can show their performance—digitally and worldwide—and acquire legitimate clients through the platform's marketing activity and rankings, without having to make complicated deals with banks and/or getting particular licenses to be able to do so. Rank aims to reach people from various financial backgrounds and geographical locations, especially those who do not have access to standard financial offerings or who are unfamiliar with the financial investment sphere. In fact, Rank is ambitious to become the space all investors watch to follow the best traders around the world, creating a competitive environment similar to the world of sport where the best gain global visibility through higher ranking. In the long term, Rank aims to function as a decentralized autonomous organization (DAO), with the majority of decisions made by the community via governance.

Strats (No-Code Trading Strategies)

Each investment opportunity offered by Rank is collectively put in a digital container to differentiate the strategy chosen and the expiration time. These containers are called 'Strats.' The Strats function similarly to decentralized exchange liquidity pools. By opting for a specific Strat, users select a particular investment strategy created by another peer (i.e., the trader or creator of that Strat) who is identified by a permanent username and clear data about their performance and trading style. There will be no hidden fees or market mechanics to confuse the investing peer, who will always have a clear and transparent data overview (another significant difference compared to standard hedge fund reports, where trying to grasp simple performance is often confusing and somewhat incomprehensible). It is then up to the user to research and understand the details of each respective Strat as some will involve more risk than others.

For example, each Strat will have a label written by the trader indicating varied returns and risks, such as:
- Mild Risk: The trader will have lower-frequency trades with a higher time frame
- High Yield Trading: The trader will execute several daily trades
- Pure Performance: The trader will have a high performance with eventually bigger draw-downs
- Mean Reversal: The trader will have a swing trading technique based on the main market pivots, trying to catch the most significant percentage moves

Anyone can create a Strat with its own style (either new or similar to one of the above examples) with our simplified procedure designed to accommodate even those without prior coding experience.

Rank Token

RAN is the Rank platform's utility token. The primary purpose of the RAN token is to allow users to invest in any of the Strats available. A peer will need the token in order to activate his investment, implementing a fee in RAN which will generate revenue for the platform and the overall ecosystem. As more fees are generated, the value of the RAN token will increase automatically since peers without RAN will have to swap their cryptos in any of our liquidity pools, creating a healthy buying pressure and an instant price increase after each swap. The underlying asset for each Strat might be different

than RAN (for example, USDT), however a RAN fee will always be necessary in order to both create the Strat initially (by the trader) and invest into it (by the investing peer). The great advantage of tokenization is that by simply owning the Rank token,peers will automatically share part of the overall platform value in direct proportion to how much RAN one may have. As more and more users participate in Rank, more fees will be generated for the platform, systematically increasing the overall platform value. The plan is to mint 1 billion tokens without any inflation or further minting techniques (such as minting on demand).

Strats Details

Like a baseball card where you can read the quality of a player and their past performances, each Strat contains key information relevant to the following points:
- Asset
- Expiration
- Entry fee
- Trading style
- Expected return and expected max draw-down
- Current return (annualized)
- Lock-up period (if chosen by the traders)
- Used leverage (if chosen by the traders)
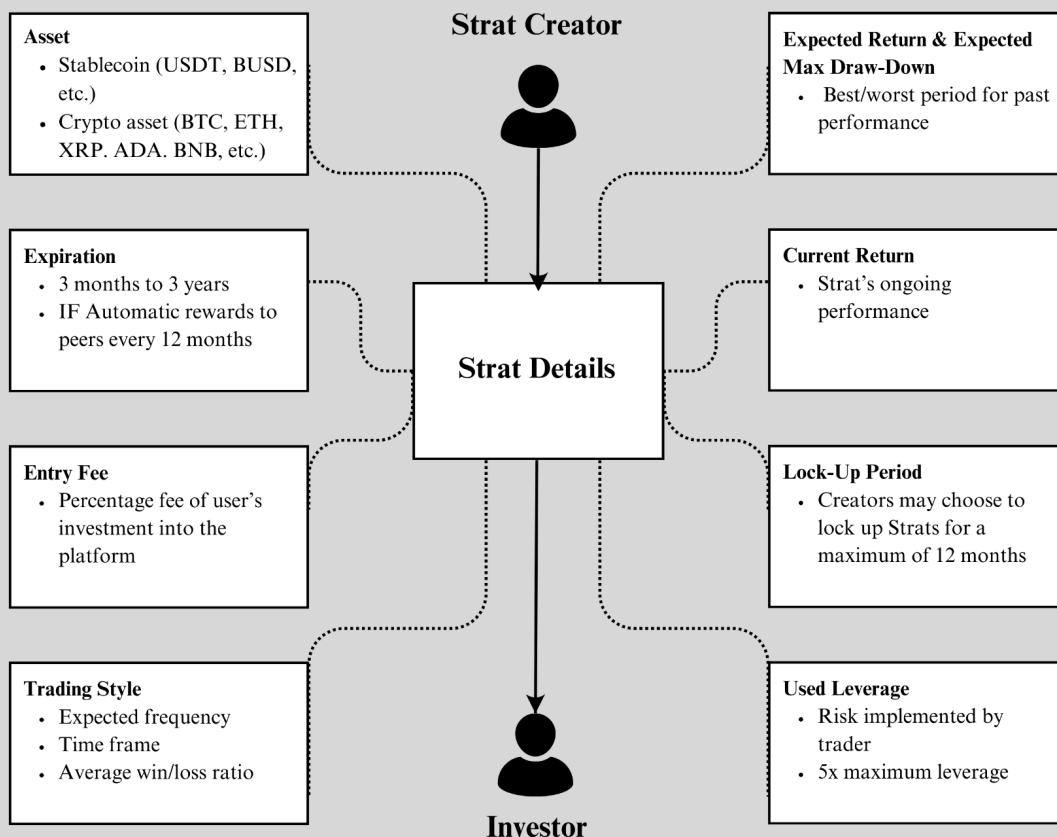
The **asset** variable represents the trading asset chosen by the Strat creator; the peer will have to deposit the chosen stablecoin or crypto asset into the Strat.

The **expiration** simply marks the expiration date of the Strat. It will be chosen by the Strat creator and ranges from 3 months to 3 years after the starting date. The platform will automatically pay the rewards to the peers at least every 12 months after the starting date of the investment. If the Strat expires in less than 12 months, users will automatically receive their rewards upon expiration.

The **entry fee** is the percentage fee of the user's investment. The fee comes directly out of the deposit and goes directly into the platform's treasury wallet.

The **trading style** indicates the expected frequency, time frame, and average win/loss ratio for each trade executed by the Strat.

Expected return and expected max draw-down are the numbers that indicate the best period and the worst period for the past performance of the Strat. This analysis can easily be done by the traders on the platform with our AI forward-testing tool.

The **current return** reflects the ongoing performance of the Strat and is calculated using an annualized formula (for example, after the second month the performance will be the mean average between the two months, etc.).

The **lock-up period** is the time period during which users must keep their deposits locked into the Strat. Some traders may choose to have no lock-up period.

The **used leverage** is the risk that the trader's Strat has implemented (for example, 2x or 5x). The maximum that the platform will allow is a leverage of 5x; this is to avoid an overleverage scenario where traders tend to risk too much, acting more as gamblers than traders.

On Rank, traders can take a data-driven approach to the market and act purely based on statistical algorithms. Using our proprietary testing system, traders are able to use their current set of trading rules to automatically identify the higher-percentage successful entry points among the main cryptocurrency markets. A complex chain analysis of a given cryptocurrency can be conducted at all times with the Rank interface, finding the most profitable path for the selected coins by putting several indicators in parallel to act as one strategy. These paths are usually stable and if traded, achieve relatively high returns in comparison to the risk.

Parameters

In order to create a Strat, the creator must fill out a set of parameters relating to the Strat details and investment strategy. On the other end, investors may review this data to better inform their investment decision. Additional pieces of information available in this data include but are not limited to:
- Username: The username of the creator
- Description: Strategy description
- Time frame: The time frame of the strategy
- Strat type: Basic or premium

- Frequency: Daily trading volume
- AI tested: Strat checked or not with our AI tool

The information available may increase over time, adding more and more data to the Strat details, making them progressively more understandable and transparent for inexperienced peers.

Strat Creator

Username
- The username of the creator

Strat Type
- Basic or Premium

Description
- Strat's strategy details (*see:* "Strats Details")

Strat Parameters

Frequency
- Daily trading volume

Time Frame
- The time frame of the strategy

AI Tested
- Indicates if the Strat has been checked/not checked with AI tool
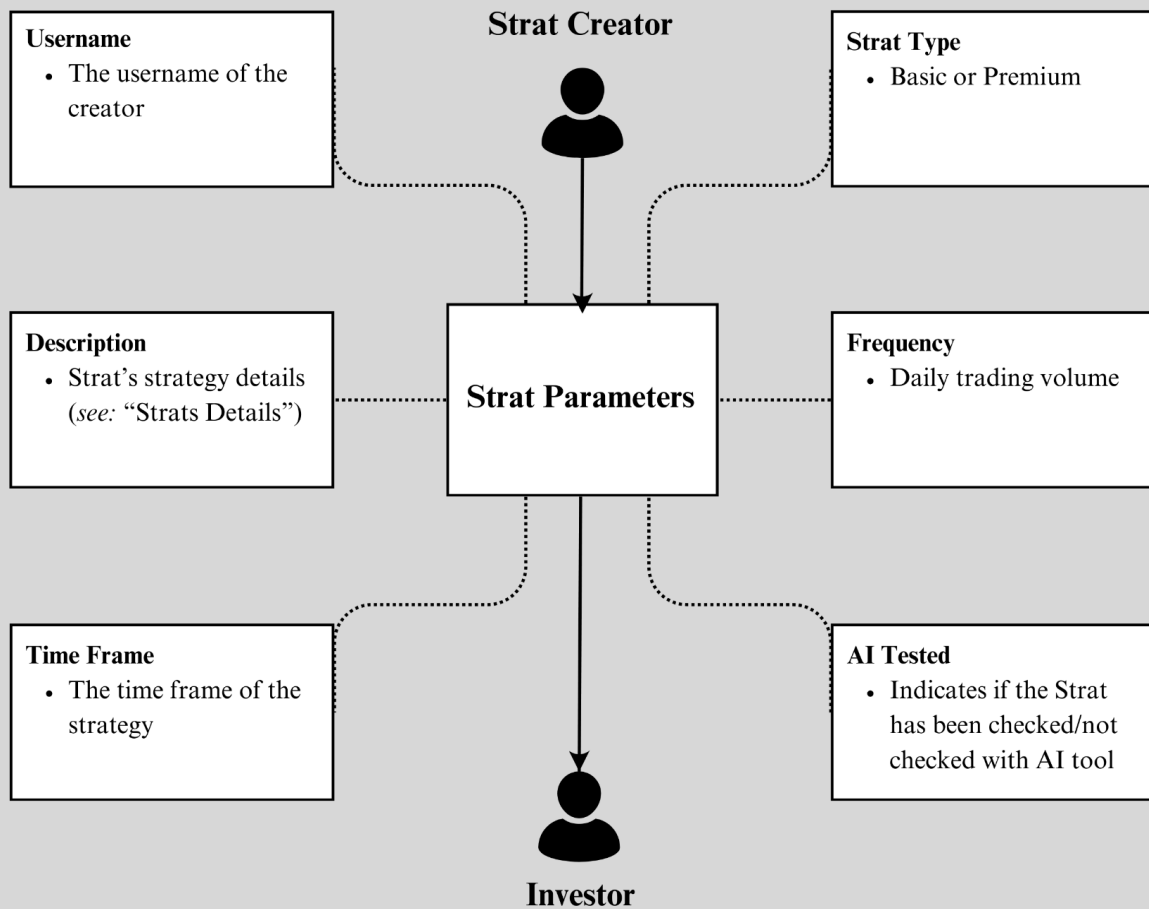
Investor

Strats Concept

Rank is among the first DeFi protocols whereby any user may function as a 'fund manager' by executing their strategy directly via a digital container hosted on the Rank platform. This enables users to create and deploy investment strategies on demand, after which anyone may invest in them. As described above, the Strat creators fill out a list of parameters (e.g., asset, expiration, etc.) and provide specific conditions for a trade signal to occur. Creators may implement either simple strategies whereby an asset is bought or sold at a certain time, or more complex strategies that leverage data points and indicators to create trade signals. Access to risk management tools such as standard stop/limit orders will be provided.

User A   **User B**   **User C**

Strat Details
- ETH
- Expiration: 12/31/2024
- Trending Daily
- Expected Return: 15% PA /Max Draw-Down 7%
- Current Return 1.5% per month
- Lock-Up Period: Until Expiration
- Used Leverage: 2x

Strat Parameters
- Username: wolf1
- Time Frame: daily
- Strat Type: Premium
- Frequency: Low
- AI Tested: Yes

Strat Details
- BTC
- 06/30/2025
- Mean Reversal
- Expected Return 20% /Max Draw Down 11%
- Current Return 2.0% per month
- Lock-Up Period: 6 Months
- Used Leverage: 3x

Strat Parameters
- Username: jj2
- Time Frame: 4 hours
- Strat Type: Premium
- Frequency: Mild
- AI Tested: Yes

Strat Details
- XRP
- 12/31/2025
- High frequency
- Expected Return 40% /Max Draw Down 22%
- Current Return 3.5% per month
- Lock-Up Period: 3 Months
- Used Leverage: 5x

Strat Parameters
- Username: toptrader3
- Time Frame: 60 minutes
- Strat Type: Basic
- Frequency: High
- AI Tested: No

Management Fee
- 2%

Performance Fee
- 20%

Management Fee
- 1.5%

Performance Fee
- 15%

**Management Fee**
- 3%

Performance Fee
- 30%

Investor

As seen in the diagram above, this example shows three Strats created by three different users (User A, B, and C). The creator simply initializes the Strat and provides a strategy to follow, with fees earned as investors use the Strat. On the other end, investors may browse and select Strats that best fit their investment needs by depositing stablecoin assets (for example, USDT) or crypto (for example, ETH) with the goal of a return upon expiration/exit. Creators may also adjust their fee schedules to charge different management and performance fees, with a portion of both fees allocated to Rank. Investors also have access to a variety of performance tracking tools available in our innovative listing section. For the first time, traders without a deep programming/coding background can 'module' their own

investment strategies with standard technical indicators and have the Rank platform execute it for them. Usually, the trading programs that offer the necessary tools to do so are difficult to code (e.g., MetaTrader, TradeStation, etc.) and typically require a software development background. However, with Rank, anyone can easily become an algorithmic trader.

Functions

Creators may implement simple or complex strategies based on a combination of resources such as limit orders, stop orders, technical indicators, and more. Based on these combined functions, orders may be placed automatically via the BNB Smart Chain (BSC) to trade USDT- or COIN-margined futures contracts. Strat creators may also make discretionary trades on Rank, in addition to implementing automatic systems. The resources available for creating trade signals will increase over time, as will risk management tools.
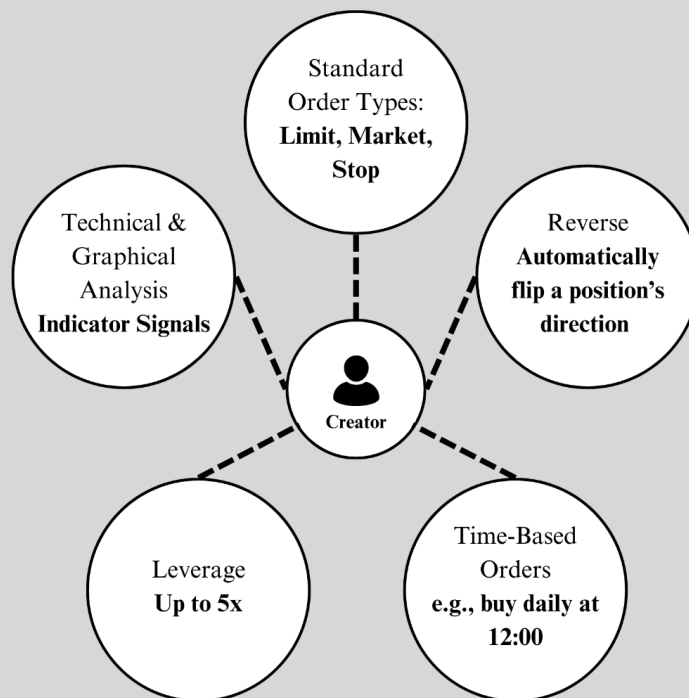
These strategy functions include but are not limited to:

- Standard order types (Limit, Market, Stop)
- Technical and graphical analysis indicator signals
- Leverage (up to 5x)
- Time-based orders (e.g., buy every day at 12:00)
- Reverse (automatically flip a position's direction)

Position Data

At all times, investors will be able to see a Strat's data and performance via a plugin, which displays the relevant performance data pertaining to the Strat investment. Investors will also see performance data relevant to their individual position, such as PNL.

Proportional Stake

Upon entry, a user's proportional share of the Strat's liquidity pool is recorded in order to accurately reflect each investor's PNL according to their entry and exit.

Scoreboard

The performance data of each Strat will be listed on the Rank platform in two forms: live and historic. Live performance is available in real time in order to show a ranking based on the Strat's current data. Historic performance is available upon Strat expiration, when the final performance data will be listed in the closed Strat digital containers section.

The platform also ranks each Strat's 'creator-manager' (i.e., the username of the creator) and displays the rankings on the Rank homepage, enabling users to find top performers backed with historical data.

Fees

Strat creators will be able to assign a fee schedule whereby they may select both a management and performance fee from a specific range. Management fees are applied upon entry, while performance fees are applied upon expiry/exit. For Strats with expirations more than 12 months after the start date, the platform—dynamically for each investment—will automatically pay out any profits available for the investors every 12 months after entry. Rank will be allocated a fixed percentage of the fees assigned by creators in addition to a setup fee paid by users upon deposit.

Strat Fees
- Management: 1-3%
- Performance: 10-30%

Rank Commission Fees
- Management commission: 50% (of the 1-3% fee)
- Performance commission: 20% (of the 10-30% fee)
- Strat setup fee: 0.3-0.5%
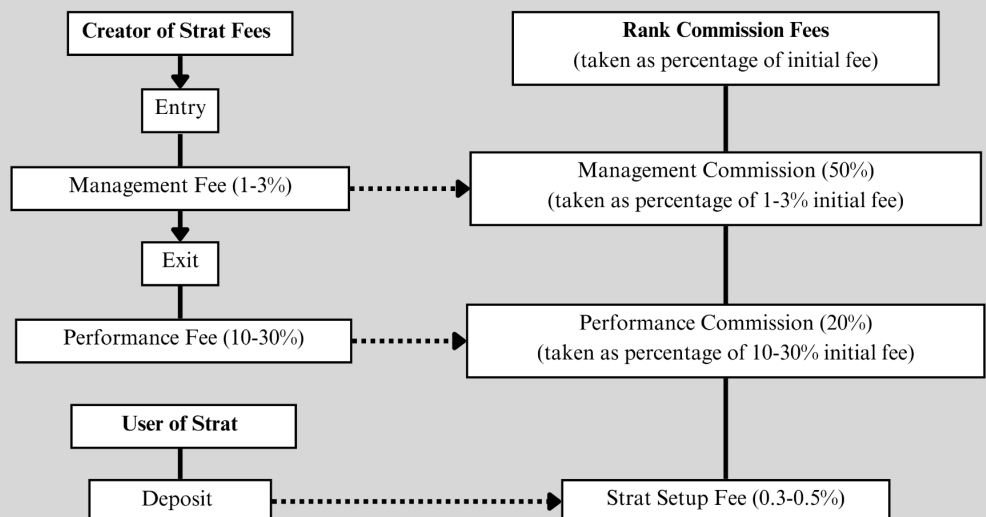
Types

There are two types of no-code trading strategies: basic and premium. Basic Strats include basic features such as limited TA tools and more. Premium Strats include everything a basic Strat has plus additional features such as increased TA tools, maximum leverage and more. Both also have different activation thresholds, whereby a minimum investment deposit is required to invest in a Strat.

Basic
Basic Strats include access to a limited number of trading resources such as limited TA functions as well as limited leverage. The minimum activation investment is: 1000 USDT.

Premium
Premium Strats include access to everything a basic Strat has as well as increased trading resources such as a variety of TA functions, greater leverage, additional indicators, and more. The minimum activation investment is: 5000 USDT.

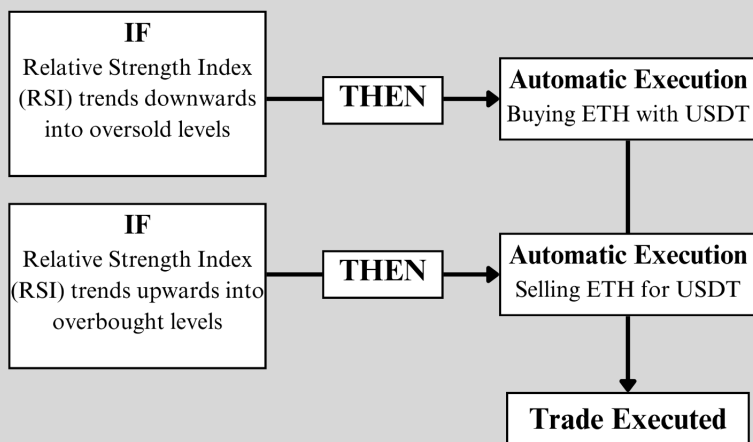## AI Forward-Test Tool

Both basic and premium Strats will have the opportunity to use our proprietary AI-based forward-test tool. A fee of 10 USDT for each year tested will incur. The premium Strat will have 100 years of forward tests included. The basic user may also purchase a pack of 10 years of forward tests for 50 USDT.

1 Year = 10 USDT
**10 Years = 50 USDT**
100 Years = Premium Strat

Strat Example 1 (One Indicator)

Consider a Strat that trades the ETH/USDT pair when specific conditions are met. In this case, the conditions are: when a buy signal is created from the Relative Strength Index (RSI) indicator trending downwards into oversold levels, buying ETH with USDT; or when a sell signal is created from the RSI indicator trending upwards into overbought levels, selling ETH for USDT. Here, the investor would deposit USDT and the Strat would automatically execute the previously mentioned strategy. Whenever the conditions are satisfied, the Strat will automatically buy and sell according to the strategy. A +20% return is earned by the strategy and distributed back to the user. On this 20%, a performance fee of 10% is charged according to the fee schedule. On this fee of 10%, a further 20% is charged as commission by Rank (equal to 2% of the return).
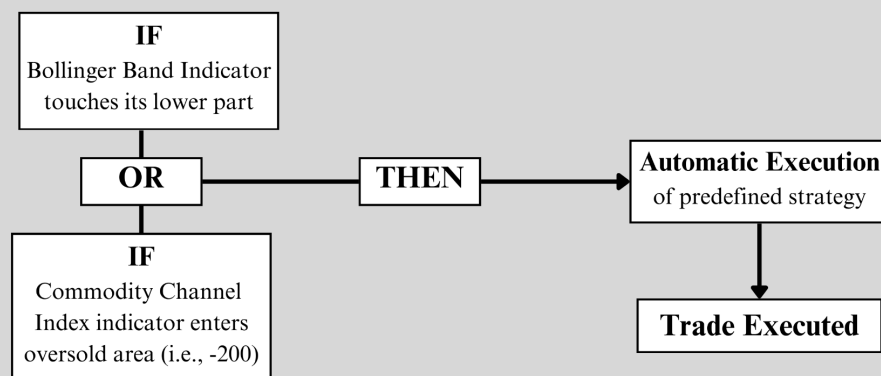
IF
Relative Strength Index (RSI) trends downwards into oversold levels → **THEN** → **Automatic Execution** Buying ETH with USDT

IF
Relative Strength Index (RSI) trends upwards into overbought levels → **THEN** → **Automatic Execution** Selling ETH for USDT

Trade Executed

Strat Example 2 (Double If)

Another example of a strategy that may be implemented is one where a buy signal is created when EMA1 crosses EMA2 in combination with MACD rising, which in the coding environment would be called 'a double if occurrence.' Whenever these conditions are met, the Strat will automatically execute the predefined strategy. This enables anyone to have access to investments based on algorithmic trading.

IF
EMA1 crosses EMA2

AND → **THEN** → **Automatic Execution** of predefined strategy

IF
MACD is rising
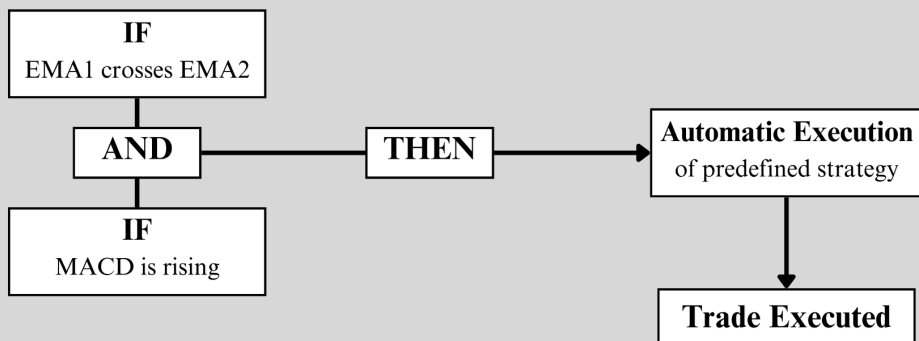
Trade Executed

Strat Example 3 (If One Is True)

Another example of a strategy is when a group of indicators are selected but the strategy executes the trade if just one of them is true. For example, a buy signal is created when the Bollinger Band indicator touches its lower part, or when the Commodity Channel Index indicator gets into an oversold area (i.e., -200). Rank will monitor both indicators and as soon as one is true, the trade will be executed, sparing traders immense monitoring time and ensuring that once the conditions are met the trade is executed flawlessly. This is another example on how a coded strategy can be very helpful to traders who until now performed everything manually, requiring enormous effort.

```
        ┌─────────────────────┐
        │         IF          │
        │ Bollinger Band Indicator │
        │   touches its lower part │
        └─────────────────────┘
                  │
              ┌───────┐        ┌────────┐        ┌──────────────────────┐
              │  OR   │────────│  THEN  │───────▶│ Automatic Execution  │
              └───────┘        └────────┘        │ of predefined strategy │
                  │                              └──────────────────────┘
        ┌─────────────────────┐                            │
        │         IF          │                            ▼
        │ Commodity Channel   │                  ┌──────────────────────┐
        │ Index indicator enters │                │   Trade Executed     │
        │ oversold area (i.e., -200) │            └──────────────────────┘
        └─────────────────────┘
```

Benefits

Anyone, no matter their age or background, can build a name for themselves based on nothing but their performance. Performance data is securely stored on the BSC blockchain, ensuring the data's integrity and providing a clear and verifiable track record of a user's/Strat's performance. Strats provide investors with a multitude of investment opportunities created and maintained by other users.

Rank Token Details

Name: RAN Token
Symbol: RAN
Type: BEP-20
Network: BNB Smart Chain (BSC)
Supply: Non-inflationary

Additionally, those that hold RAN are provided the opportunity to interact with the protocol further via incentivizing liquidity providers, increasing rewards and staking:

- Incentivizing liquidity providers: Holders of RAN may deposit LP tokens in the farm in exchange for rewards over time.
- Staking: RAN holders may stake RAN to earn a portion of fees generated by the platform.

Governance

The long-term goal of Rank is to achieve a status similar to that of a decentralized autonomous organization (DAO). This means that a majority of decisions about the platform's activity will be proposed, voted on, and changed by Rank users. In order to do this, we will introduce a system where the Rank token acts as a governance token according to the amount owned by the peers (the token in Rank's treasury will not count).

Pre-sale

There will be a short pre-sale activity for RAN before the main IDO launch. These fundraising procedures will most likely happen in collaboration with other DeFi platforms, such as PinkSale or Fjord. During these events the RAN price may range between 0.1–0.001 USDT.

The main advantage for potential pre-investors is the possibility to try our platform even before our fundraising event, as we have already self-developed all the necessary smart contracts and interfaces without the need of external funds. The capital acquired from these fundraising events will be used for our liquidity pools and for strong marketing campaigns.

Liquidity

The primary risk associated with any token is its liquidity. If liquidity is not present for a token, it can lead to highly volatile price action. The market for the platform's token may be illiquid at times, especially during the early stages of token adoption. To address liquidity issues, Rank will create an initial liquidity token pool with the token value set at 0.1 USDT. The pool will have continuous USDT flows, as 10% of the overall commissions gained by the Rank platform will be distributed inside the liquidity pool automatically.

Minting

During the pre-sale phase, tokens will be minted all at once without any inflationary formula.

Initial Supply

During the pre-sale phase, up to 1,000,000,000 RAN tokens (1 BLN) will be minted, of which 500,000,000 will be allocated to Rank and the rest sold to pre-sale investors. After the pre-sale, any of these tokens that remain unsold will be burned. The tokens allocated to Rank will be distributed accordingly:

- LP Liquidity Pool: up to 50%
- Reserve Liquidity: up to 25%
- Developers: up to 10%
- Marketing: up to 10%
- Contingency Fee: up to 5%

Afterwards, during the regular phase, the minting of new RAN tokens will never occur again.

Developers
up to 10%

Reserve Liquidity
up to 25%

LP Liquidity Pool
up to 50%

Marketing
up to 10%

Contingency Fee
up to 5%

Rank Token Distribution
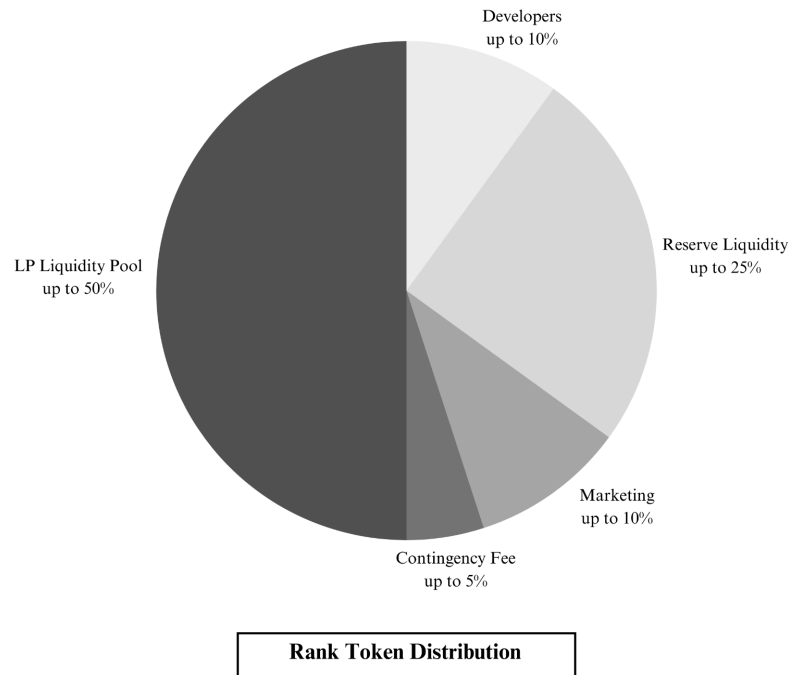
Token Swap

Users are given the opportunity to stake liquidity into RAN swap pools in return for a percentage of the swap fees. This is done by simply staking both tokens into the respective liquidity pool in return for an LP token. LP tokens represent a user's proportional share of the liquidity pool. For every swap, a 0.25% fee will be deducted from each transaction and distributed as follows:

- 0.17% allocated to liquidity providers
- 0.08% allocated to the Rank platform

Liquidity Pool

Fees

0.17% to Liquidity Providers

0.08% to Rank Platform
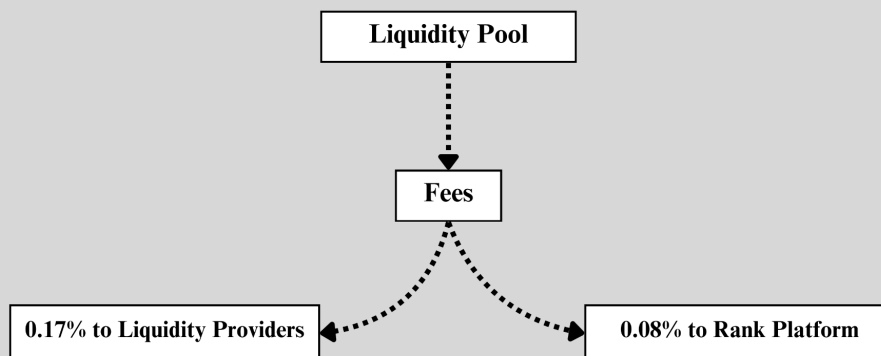
Farm

After staking liquidity in the token swap and receiving LP tokens, users may then take their LPs and stake them into the farm. Staked LP tokens enable users to earn more rewards over time. However, users must note that RAN token farming pools are based on the overall platform's fee revenues, therefore the annualized return of the farm may vary.

Development

Rank is a platform developed over several years by experienced coders/programmers who are experts in both smart contracts and computer languages such as C++, Solidity, Python, JavaScript/React and others. All of our smart contracts will be certified by a third-party entity, with a strong emphasis on deeply testing each of our interface functions in order to prevent any possible flaw or breach. The system runs on several servers, each planned to host a maximum number of users in order to sustain any possible increase in data demand due to increased number of peers using our platform and/or high market data volume during volatile times.

Conclusion

Rank is creating a platform to effectively act as a gateway to DeFi for all types of investors, with or without prior DeFi knowledge. This is accomplished via a series of investment strategies offered in the form of so-called Strats. Strats come in different forms with varying risks as well as returns. Users may also stake tokens in Rank's liquidity and/or farming pools for additional rewards.