WHITE PAPER

Version 0.0.1

January 2021

Version 0.0.2

April 2021

1. Abstract

Fanance Club is a Revolutionary Sports Player's Stocks Trading DEX platform powered by the blockchain where users can trade digital assets or celebrity's Stocks that represent real-life Performance's statistics. It's a decentralized social gaming/trading experience in which people can express their passion for sports/their favorite stars, compete against each other, and show **"How much your craze for your favorite stars worth"**.

In Nutshell, Fanance Club is a Decentralized Blockchain based fantasy trading platform to trade your favorite sports star tokens. This enables fans all over the world to invest in their favorite sports stars and get returns based on their sports knowledge.

Fanance Club provides users a new way to use their sports knowledge or their craze towards their favorite for their own joy and benefit. We envision a massive opportunity to gather fanatics in a revolutionary platform where they can not only socially interact but also compete against each other in a transparent and decentralized way.

Built on the blockchain, Fanance Club platform is not controlled by an individual organization. There is no single agent with the power to modify the rules of the software, the economics of the assets, or prevent others from accessing the platform. Each digital asset is permanently owned by the community and lies in a blockchain-based digital registry, giving the owner full control over it.

2. Problem Statement

The current problem is that many people are scared or hesitant to invest in the stock or crypto market due to lack of knowledge about the market and the stocks they are willing to invest in. A lot of analysis and research is required before you could start gaining returns from a stock in the stock market.

3. Solution

Fanance Club solves this problem as everyone has a lot of knowledge about sports and their favorite stars. This enables them to make use of their existing sports knowledge, invest in their favorite sports stars and gain returns based on their performance and prediction.

Moreover, since Blockchain enables decentralized trading and investment, geographic barriers are eliminated and anyone from any part of the world will be able to invest in these tokens. Also, in the long-term, the platform can be extended to other celebrities apart from sports as well.

4. Why Blockchain?

Decentralized, blockchain-based protocols are poised to tear down the exclusionary, monolithic foundations of traditional finance, radically reconfigure how money is used, created, and distributed, and build a superior, more transparent, and equitable financial system on top of its ruins.

At Fanance Club, we not only believe that crypto is the future of finance but also have our interests perfectly aligned with the cypherpunk ethos. Blockchain-based digital assets are designed for transparency, ease of access and provide users complete control over their funds, which is the same what Fanance Club is trying to do with Fantasy Sports Stars Trading, Staking, Liquidity Pool and NFTs.

Our team of industry experts, who have vast expertise and blockchain and crypto space, are convinced that cryptocurrencies provide significant advantages in terms of Transparency, Liquidity and fair reward distribution compared to outdated centralized solutions. As a forward-looking De-FinTech startup, we are looking to integrate these solutions into our platform and place our company at the forefront of the Web 3.0 revolution.

5. Why Cardano?

First Obvious Reason is that the whole team is a staunch follower, believer and fan of Cardano Ecosystem!!

Cardano's mission, vision, and approach to building scalable, user-centric blockchain solutions are perfectly aligned with Fanance Club's Vision as well. Cardano is the first blockchain platform to evolve out of a scientific philosophy and a research-first-driven approach. First-generation blockchains like Bitcoin were the first to offer the world decentralized ledgers for secure cryptocurrency transfers. However, they did not create a functional environment for developing more complex smart-contract-based financial solutions. Second-generation blockchains like Ethereum introduced smart-contracting capabilities to block chains but are unfortunately suffering from significant scalability issues.

On the other hand, Cardano is conceived as a more evolved, future-proof third generation blockchain that combines the former's properties and evolves to meet all its users' arising needs. Consequently, the Fanance Club team believes that Cardano will play a leading role in the upcoming digital revolution, and thus, deciding to build our decentralized platform on Cardano was hardly a choice at all.

6. Some of the key Blockcain Decentralised Aspects in Fanance Club

6.1 AMM (automated market-maker)

Decentralized Trading platform traditionally follow two main protocols in order to provide a market price: an order book or an AMM. These two systems come with their own sets of issues but to summarize:

An order book model works best on centralized exchanges such as Coinbase and Binance. These exchanges typically have a small set of tokens listed with high market caps that, by nature, have high volume and little spread. On these exchanges millions of dollars is needed to move the needle in any one direction. The problem arises when a user wants to trade a lower liquidity pair. Coins listed on centralized exchanges with low MCs have one very important issue in that market makers do not see a reason to provide liquidity. As a result even a few thousand dollars can send prices soaring, or, alternatively, taking a turn in the other direction.

AMMs work well on DEXs for the simple reason that the vast majority of tokens listed on the exchange are very low liquidity. Uniswap, as an example, has over 36,000 trading pairs listed. To put this more into perspective, if you were to go to coinmarketcap.com and search for the coin with the lowest market cap it would be Digital Gold (GOLD), ranked #2423 with a MC of $15. AMMs solve this problem of low liquidity by using a composite constant function which can be simplified as such

$$x * y = k2$$

6.2 Babel Fees and Automation

Cleverly named after the Babel Fish from The Hitchhiker's Guide to the Galaxy, IOHK has come out with a concept which would allow users to pay transaction fees using the native token. Native assets on Cardano work as such: tokens are created and treated natively in the ledger with ADA. Instead of using the traditional UTXO (unspent transaction output) model presented by, (among many others), Bitcoin, Cardano's ledger has adopted the EUTXO (extended unspent transaction output) model which provides the

foundations for Plutus. Utilizing this method we are able to have multiple different tokens (including NFTs) in a single transaction.

An issue with utilizing this protocol is that transaction fees would be paid to SPOs (stake pool operators) and if a token is underutilized it will contribute to slow network speeds. A simple fix would be to therefore implement a system in which these tokens in question would quickly swap to ADA before completing the original transaction. This would give SPOs a purpose in helping process these described transactions.

6.3 Bancor

In 2017 the first ever AMM was launched, Bancor. Bancor pools started out with an ERC20 token (examples would be BNB, LINK, UNI) and their native token BNT. The Bancor Network effectively utilized the creation of their token by placing it in the forefront of any LP on their network, requiring BNT in every pool. It can be modeled as such

$$price = \frac{Reserve\ Balance}{SmartTokenTotalSupply * ReserveRatio}$$

6.4 Balancer

Balancer was launched a few years after Bancor in May of 2020. It utilized a generalized concept of constant-product function to support multiple assets in a single pool.

This allows creating an LP with any number of assets/tokens, instead of previously only limiting pools to two assets. This provides incentive to liquidity providers to add more liquidity to lower volume tokens. It should be noted other DEXs use roughly the same constant-product invariant.

.

$$\prod_{i=0}^{n} x_i^{w_i} = const$$

$x_{i-balance\ of\ i-th\ asset}$

$w_{i-weight\ of\ i-th\ asset}$

7. Fanance Club Platform

The Fanance Club's Flagship product is the Fanance Club **dApp - a Decentralized Exchange (DEX) for celebrity or Sports stocks**, where economic incentives for users to trade in the game are connected to speculating real life statistical data, Staking Rewards, Liquidity Provider Rewards and Special benefits to NFT holders.

Leveraging our team past experience in the Block chain (Especially in Cardano) and Crypto Space, Fanance Club is a crypto-economic based on the trading of virtual assets that would represent real-life statistical performance and their career of your favorite sports Players
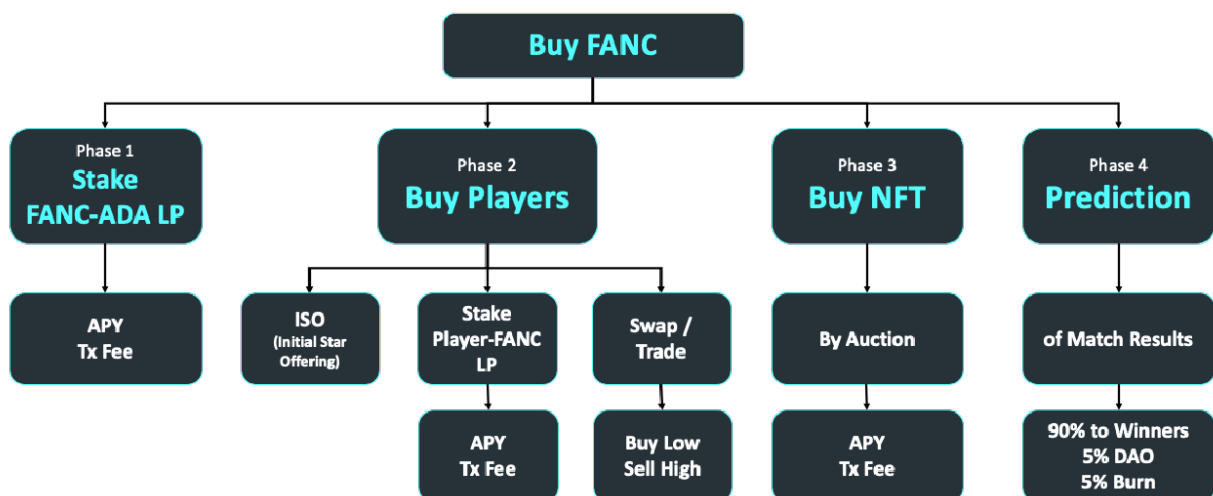
It's a unique combination of

⚽ Sports

🏏 Trading (DEX)

🎱 DeFi

🏀 NFT

🎾 Prediction Market

7.1 User Flow and Use cases

Post Token Sales, the basic prerequisites to use our platform is to possess **FANC – Fanance Club's native token**. This can be through pre sales, in Fanance club platform or Listed on DEX's and CEX's once listed post pre sales.

Once you have FANC tokens, you can utilize the token in multiple ways as per below

Use case & utilities:

🏏 Buy & Sell Players Token

🏸 Stake FANC-ADA LP and farm FANC tokens with lucrative APYs. Also get a % of the transaction fee

🏀 Initial Star offering Purchase

☺ Stake PLAYER - FANC LP and farm PLAYER tokens with lucrative APYs. Also get a % of the translation fee

🏏 Buy/Sell Player's NFT

🏀 Participate in Prediction Markets

⚽ Governance & voting

7.2 Stake FANC-ADA LP (Phase 1)

Liquidity Pool for ADA-FANC pair will be created in Fanance Club dApp. One way to effectively hold your FANC is to add liquidity to ADA-FANC pool and stake your LP token.

Staking ADA-FANC LP token will farm FANC with lucrative APY with conscious design such that the early supporters will be incentivized heavily. On top of that a % of transaction fee of the whole platform (transaction from Fancy Transaction, Staking fee, Transaction on trading all players) will be shared to ADA FANC LP Stakers.

More details of transaction fee and APY will be explained below in FANC Tokenomics and Fees Section

7.3 Buy or Sell or Stake Players Tokens (Phase 2)

As you can see from the above flow diagram, another, perhaps, the major utilization of fancy tokens is to BUY & SELL your favorite Sports Stars token.

7.3.1 Initial Star offering

When a Player's token gets launched in the Platform, the token will go through ISO (Initial Star Offerings) for a specific time period with a predefined price. The price of ISO of a player will be determined by factors like Players Historical performance data and fame. The denomination of players' token will be FANC, E.g. 1 Virat Kholi (FC-VRK) = 2 FANC or Lionel Messi (FC-MSI) = 4 FANC.

Once the ISO Sale is closed, 1.15(Additional 15 %) times an equivalent amount of Player's Token (Plus NFT Sale, which will be explained in NFT Section) will be minted. Post-ISO, out of an additional 15%, 10% of Minted players tokens will be airdropped to ISO purchasers proportionate to their contribution to overall ISO. Out of an additional 15%, the remaining 5 % will be held by Platform treasury for promotion, legal and reserve purposes. A Liquidity pool (PLAYER-FANC) will be created with remaining (Actual raised by ISO and NFT)

E.g. If Lionel Messi (FC-MSI) token is launched in ISO with a price of 1 FANC/FC-MSI and say 300,000 tokens have been sold in ISO. Also say NFT of Messi has been purchased for 50,000 FANC (Will explain it in detail in NFT Section). Now 300,000 + 50,000 = 350,000 X1.15 times = 402,500 FC-MSI tokens will be minted (Additional 15% of 350,000 = 52,500 tokens).

Now, 10 % of ISO sale = 10% of 300,000 = 30,000 FC-MSI token will be airdropped to ISO purchasers proportionately. If you had bought 30,000 tokens out of 300,000, you had contributed 10% of ISO purchase and hence you will be airdropped 10% of 30,000 = 3000 FC-MSI Tokens.

10%of NFT purchase (10% of 50,000) = 5000 FC-MSI tokens will be airdropped to the NFT owner.

The remaiing tokens will be held by the platform treasury for promotion, legal and reserve purposes.

.

7.3.2 Stake PLAYER –FANCY LP Token:

An optional feature is that you can provide liquidity to a particular PLAYER-FANC pool and can stake the LP token.

Staking PLAYER-FANC LP token will farm Respective Player's token with lucrative APY with conscious design such that the early supporters will be incentivized heavily.

On top of that, a % of the transaction fee of that particular player trading will be shared to respective PLAYER- FANC LP Stakers.

More details of transaction fee and APY will be explained below in the Players Tokenomics and Fees Section

7.3.3 BUY or SELL Player's Tokens:

Now to the most interesting part of the platform!!

Now that the Liquidity pool for a Player is launched, you can BUY, SELL or HODL the player's token.

The trading liquidity will be provided in a decentralized manner via AMM - Auto Market Maker (Explained above in AMM Section).

The Market price of the player will be purely determined by the Supply and demand in the market.

The Performance of the player can influence the user to buy/sell via an incentive mechanism (which will be explained in Player Tokenomics Section)

The Basics of Trading is an age-old simple logic of BUY LOW – SELL HIGH to make profits

7.4 Player NFT (Phase 3)

For every player market launch, an NFT of the player will be minted. During the Same ISO time Window, respective NFT will also be launched with a base price in FANC and is open for bidding auction. When the ISO window closes, the auction bidding also gets closed and the highest bidder will become the owner of that Player's NFT.

Once the Bidding closes, the Winner will be given a specified time to transfer the bid FANC and the ownership will automatically be transferred via smart contract. If the winner fails to do the transaction within a defined time, the next highest bidder will be considered.

These NFTs can also be sold to another party via Fanance club platform or other 3rd party NFT marketplace

The NFT Owner enjoys the benefit of the Players transaction fee and Player's APY until he possesses ownership of the NFT.

More details of transaction fee and APY will be explained below in the Players Tokenomics and Fees Section

7.5 Prediction Market (Phase 4)

In later stage, Prediction market confined to Sports matches will be launched. The outcome has 3 outcomes. A team will be the winner, Loser or the game tied. Users can bet on which team will win or its going to be tie and bet their FANC

Based on outcome the users who bet on the actual outcome will be rewarded with 90% of Pool's FANC token and the users who bet on outcome that dint happens loses their FANC.

The 90% of pool's FANC Token will be distributed proportionate to the % contribution user done to the total winning outcome. Out of the remaining 10 %, 5 % will be burned 5% will be added to company treasury.

E.g. If there is a Cricket match between Australia Vs India.

Say, Users bet total 1000 FANC bets on India Winning; Other set of users bet total of 2000 FANC on Australia winning; Another set of users bet total of 500 FANC on match to be tied.

Let's say that the outcome is – INDIA WON

Now the total pool size is 2500 FANC Out of which 5% = 125 FANC will be burned; another 5% = 125 FANC will be transferred to platform treasury remaining 2250 FANC will be distributed proportionately to users who bet on India. Now say you bet 100 FANC which is 10% of overall bet on India. Hence you will receive 10% of 2250 = 225 FANC

7.6 Community Driven (Phase 5)

In this phase, the governance will play crucial role wherein critical decisions like players launch, new sports/ market launch, token burning, minting, fees etc will be decided by the community via voting

8.   FANC Token – Tokenomics

FANC is the deflationary token by nature with the total Maximum supply upon the Fanance club platform's launch will be hard-capped to 500,000,000 FANC tokens and the minimum supply via burning mechanism will be capped to 100,000,000 FANC

To ensure a fair initial token distribution, the token distribution process will be guided by two principles: optimal decentralization and efficient distribution.

In this context, optimal decentralization means that:

•   The tokens are distributed to as many FANC users as possible, with the number of token holders growing proportionally to the project's rise in market capitalization
•   There are no significant price discrepancies to acquire the tokens
•   The biggest token holders do not hold significant portions of the total token supply, limiting their power to influence the markets

An efficient initial distribution implies a distribution of tokens primarily to:

- Users deeply involved with the project that willingly contribute to its success
- Participants from different backgrounds, including investors, early supporters, small token holders, and speculators
- To maximize incentives to early adopters/supporters via token mining and its farming APYs

8.1 Token Distribution
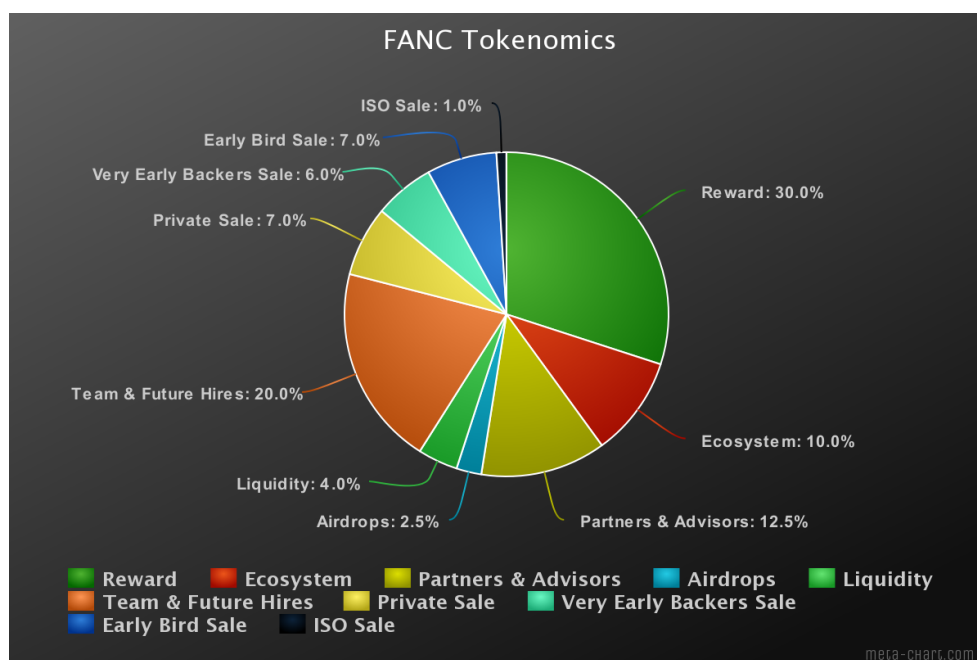
8.2 VESTING/LOCKING PERIOD

TEAM	20%	Unlock 10% after 180 Days from token Listing; Linear vesting for over 24 Months
PARTNERSHIPS & ADVISORS	12.5%	Unlock 10% after 180 Days from token Listing; Linear vesting for over 24 Months
EXCHANGE & LIQUIDITY	4%	LP locked for 4 years from LP Creation
PRIVATE SALE	7%	Unlock 10 % on TGE ; 10 % Every month for next 9 Months
VERY EARLY BACKERS PRE-SALE	6%	Unlock 6 Months After token listing ; Linear distribution in next 4 months
EARLY BACKERS PRE-SALE	7%	Unlock 3 Months After token listing ; Linear distribution in next 4 months
COMMUNITY Sale (ISO)	1%	Fully Unlocked
AIRDROP	2.5%	Unlock 5% on TGE ; 20 % every Month for next 4 months
ECOSYSTEM	10%	Unlock 3% on TGE ; Linear distribution for 1.5 Years
REWARD/MINTING	30%	Based On Mining & farming

9. PROJECT/MINING/STAKING REWARDS

30% of the Maximum Supply = 150,000,000 FANC tokens will be minted and distributed over the span of 8 years.

These tokens would be distributed to ADA-FANC LP stakers proportionate to the % contribution. Thus Early Supporters (fewer in numbers) will be incentivized heavily with very lucrative APY%. As more and more user's starts to Stake ADA-FANC LP token, the APY gets stabilized.

Payout of APY tokens will be monthly

10. Initial Token Liquidity:

The first wave of FANC tokens released after the token sale will be available for trading directly in the Fanance Club's dApp. The only available trading pair during the token sale will be FANC/ADA

After the token sale ends, Fanance Club will partner up with other crypto exchanges to ensure more trading pairs against FANC tokens are made available. Finally, with its own ERC-20 converter and BSC Bridge, we will introduce wrapped ERC-20 REVU and BEP-20 tokens (wFANC) on the Ethereum and Binance Smart chain network to allow users to trade their tokens on decentralized exchanges like Uniswap, pancake Swap, etc.

11. Player's Token Tokenomics

As mentioned in Section "**Initial Star offering",** the initial number of tokens launched in liquidity pool will be decided based on ISO purchase and NFT Purchase

Post that, based on the player's performance, a proprietary scoring system (will be shared once test net is launched, due to patent protection reasons) will be calculated for each player and basis that token will be minted.

Please note that there is no maximum cap for player's token bit at the same time the supply is no infinite. It's purely based on player's career longevity. A player can be in prime form for many years or only for few matches.

Just to give an example, Say for Cricket, different scoring system will be made for ODIs, Test match and T20s. Scoring will be given to exhaustive factors like if he is in playing 11,

man of the match, runs scored, strike rate, wickets taken, bowlers economy, dismissals like catches, runouts, etc.

As mentioned in Section "**Staking Player –FANCY LP Token",** users have an optional feature to provide liquidity to a particular PLAYER-FANC pool and can stake the LP token.

Also as mentioned in Section "**Player NFT",** NFT owner of particular player will enjoy the benefit of getting the player's tokens APY

The above said minted tokens will be distributed to PLAYER-FANC LP stakers and NFT Owner as below

Let's say, based on Player's performance, 40,000 tokens are minted for a month. Out of 40,000, 10 % = 4000 tokens will be transferred to NFT owner. Remaining 90% will be proportionately distributed to LP Stakers taking snapshot on daily closing (GMT) if you have staked in LP during the day closing you will be counted for that day. Say if you had staked for 5 days, 1 % of Overall pool for 4 days and 2% of overall pool for 1 day. You will be given 72 tokens (90% of 40,000 = 36,000; if month has 30 days, then 1200 tokens per day; 1% for 4 days is 12x4 =48 and 2% for 1 day is 24x1 = 24; so you will receive total of 72 tokens)

The Payout of APY will be monthly.

We believe that this will influence the users to BUY/HODL players with great future career potential thus leveraging your sports knowledge to earn more tokens (Money) or make more profits

12. Fees

Fanance Club will operate with a fee structure of 0.5% for transaction. We should also take into account network tx fees, which are significantly lower on Cardano than, as an example, Ethereum, which is notorious at the moment for the high fee structure.

This fee of 0.5% will be distributed as follows

For FANC Transactions (Buy/Sell FANC, Stake & Unstake FANC-ADA LP):

1. 50% will be burned
2. 40% for ADA-FANC LP token stakers
3. 10% for the platform

For Player's Transactions (Buy/Sell PLAYERS, Stake & Unstake PLAYER_FANC LP):

- 50% will be burned
- 10% for ADA-FANC LP token stakers
- 20% for PLAYER-FANC LP token stakers (only for that particular player's transaction)
- 10% for Player's NFT owner (only for that particular player's transaction)
- 10% for the platform

Transaction Fee Distribution Summary

DISTRIBUTION	FANC TXs	PLAYERS TXs	PREDICTION MARKET
BURNING	50%	50%	5%
FANC LP STAKERS	40%	10%	-
PLAYER LP STAKERS	-	20%	-
NFT OWNERS	-	10%	-
PLATFORM TREASURY	10%	10%	5%
PREDICTION MARKET WINNERS	-	-	90%
TOTAL	100%	100%	100%

13. Token Burning

FANC is a deflationary token with burning Mechanism as follows

- 50% of every transaction fee will be burned
- 5% of Prediction markets pool will be burned

The Burning mechanism will be in place until the minimum supply reaches 100,000,000

ROADMAP

Q4 2020 — Idea Conceptualization
Market Research

Q1 2021 — Built and tested few key modules in Ethereum Rinkeby Testnet
(Only for Testing purposes)

Q2 2021 — Website Launch
Social Media Launch
Community Channel Launch (Twitter & Discord)
White Paper Release

Q3 2021 — Private Sale
Pre Sale Round 1 (Very Early Backers Sale Round)
TestNet Launch

Q4 2021 — Pre-sale Round 2 (Early Backers Sale Round)
Community Sale (Initial Stake Pool Offering)
Exchange Listings
MainNet Phase 1

Q1 2022 — Main Net Phase 2
Partnerships with Sports Bodies / Players

Q2 2022 — Main Net Phase 3
Main Net Phase 4
Partnerships with Sports Bodies / Players Expansion

Q3 2022 — New Sports / Market Addition (Selected by Community Voting)

Q4 2022 — Completely Community-Driven Platform

Join our Revolutionary Sports Player's DEX Platform powered by Cardano

&

From now on your knowledge and passion towards your favorite sports players are going to make you Money !!!

"How much is your craze for your Favourite Players worth???"