FOOTYORACLE: PREDICTION MARKET

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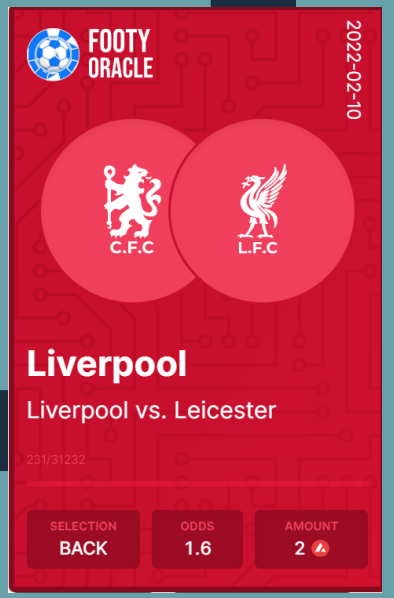
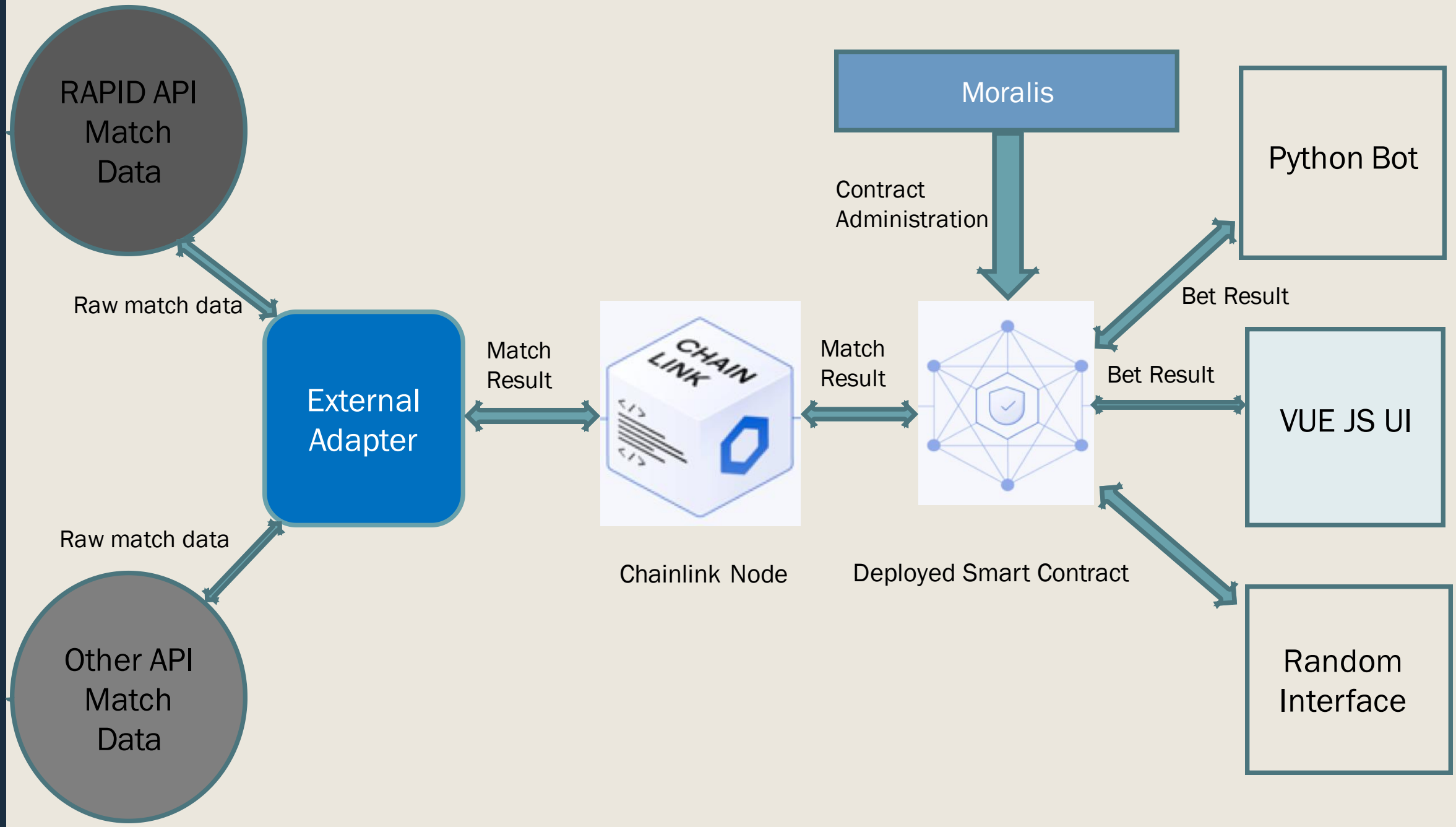


Major features

- P2P Prediction market for football matches (or anything else)
- Convert your bets to NFT to de-risk
- DEX plugin with YieldYak
- Brand new NFT design
- NFT Marketplace
- Market Maker for bets where users can add liquidity
- Lossless Betting with staking on Benqi / Aave

Technologies we used

- **Moralis**
  - *UI hosting*
  - *Cloud functions, Event Sync, Web3 API*
  - *Wallet and User interaction*
  - *Platform Analytics*
- Smart contract deployed on **AVAX.**
- **YieldYak** plugin for DEX.
- **BENQI/Aave** for staking lossless betting.
- **Chainlink** to bring football match results on-chain.
- **IPFS** to store NFT/Bet metadata.


RAPID API
Match
Data
Raw match data
External
Adapter
Raw match data
Other API
Match
Data
Match
Result
CHAIN
LINK
Chainlink Node
Match
Result
Moralis
Contract
Administration
Deployed Smart Contract
Python Bot
Bet Result
Bet Result
VUE JS UI
Random
Interface

Section: NFTs, De-risking bets

A week before the big match

FootyOracle: Liverpool vs Leicester

Bob

Place 10 AVAX

Back Liverpool

Potential win: 100 AVAX

Two days before the match: Liverpool injury crisis

- Bob knows Liverpool's chances of winning are pretty low.
- But he is stuck with the bet he made a few days ago
- No way to de-risk himself even if he accepts some loss.

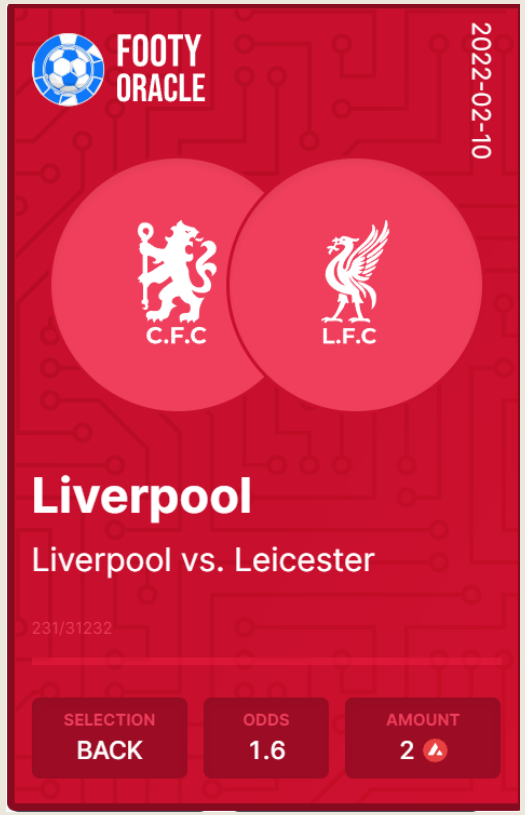
Convert Bet to NFT

Bob

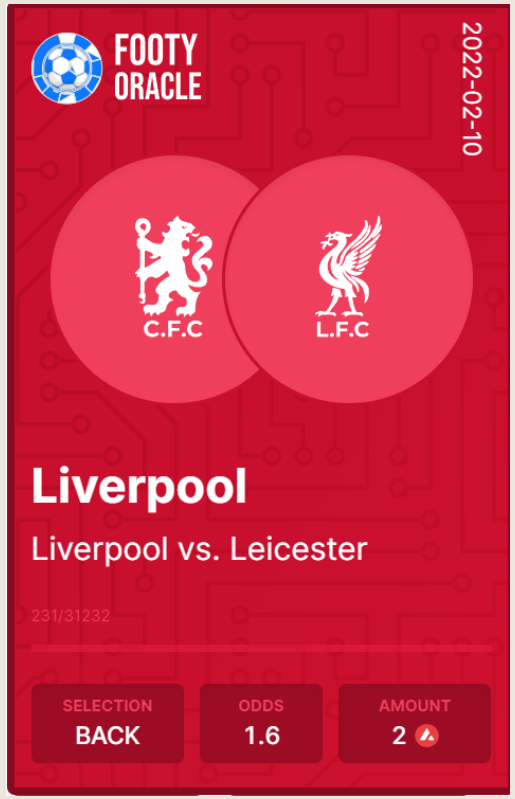
Convert bet to NFT

FootyOracle
Convert Liverpool Bet to NFT

List on Marketplace for 2 AVAX



Alice buys it on FootyOracle's NFT Marketplace



2 AVAX

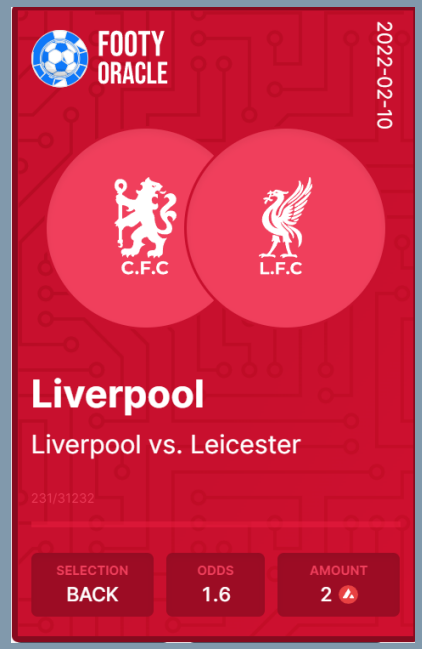
On Matchday: If Liverpool score an unlikely win

Alice

Redeems NFT she bought for 2 AVAX

Wins 100 AVAX

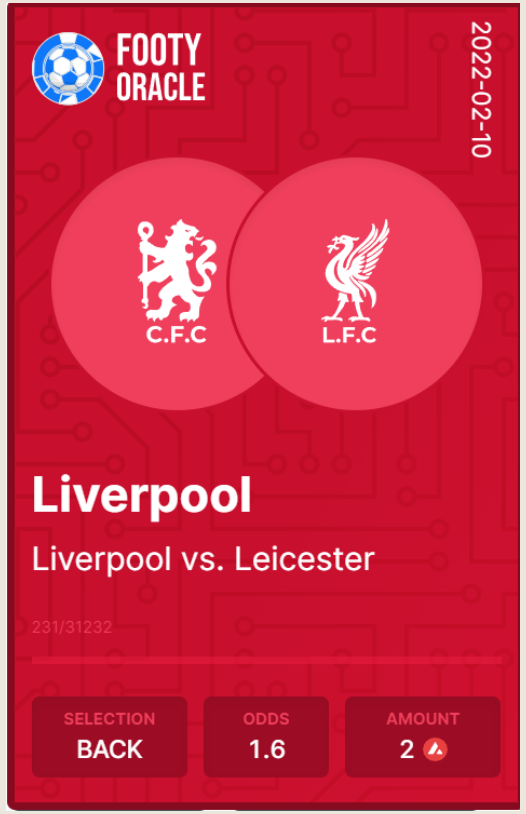
FootyOracle



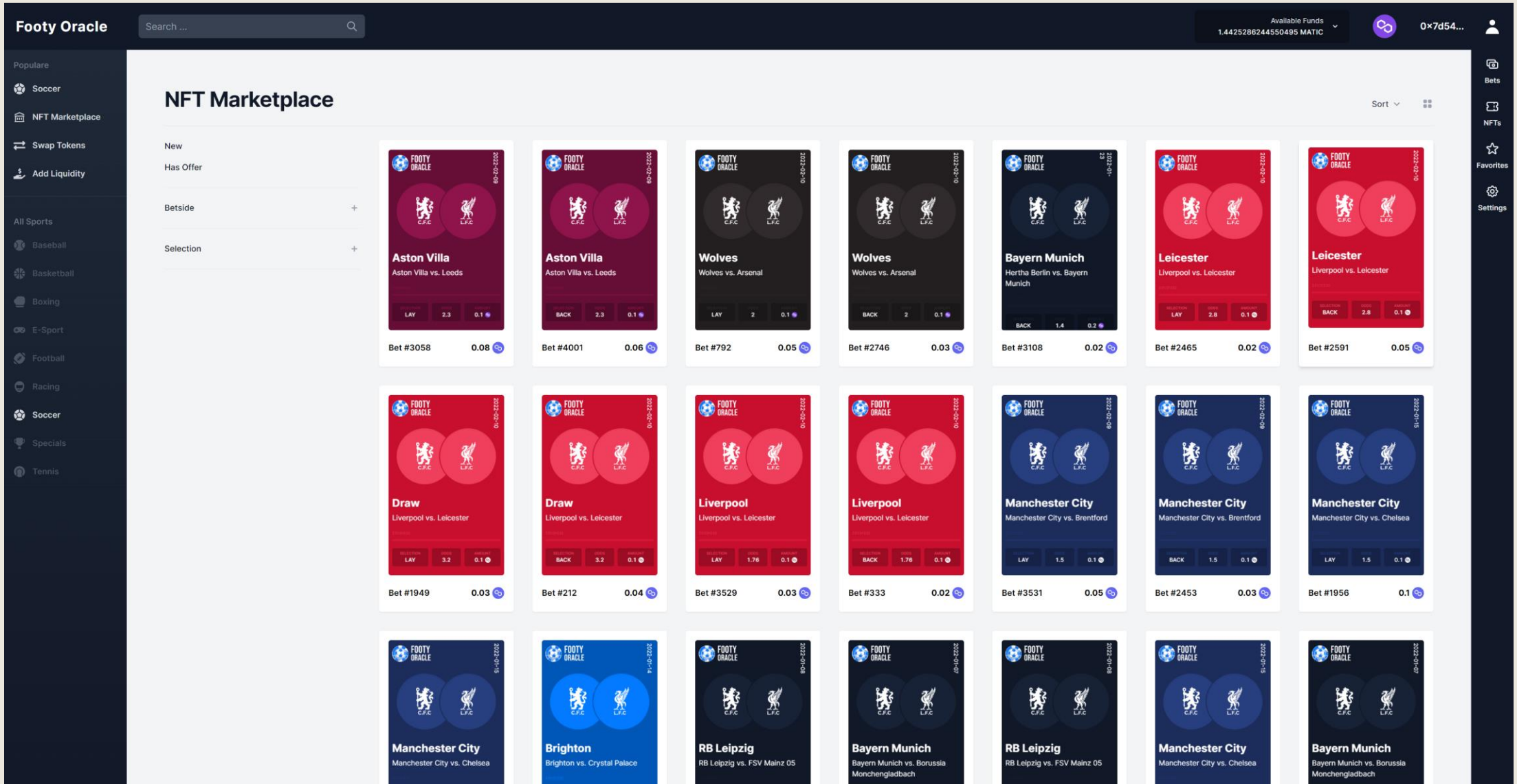
On Matchday: If Liverpool don’t win

Alice

Alice still owns the NFT



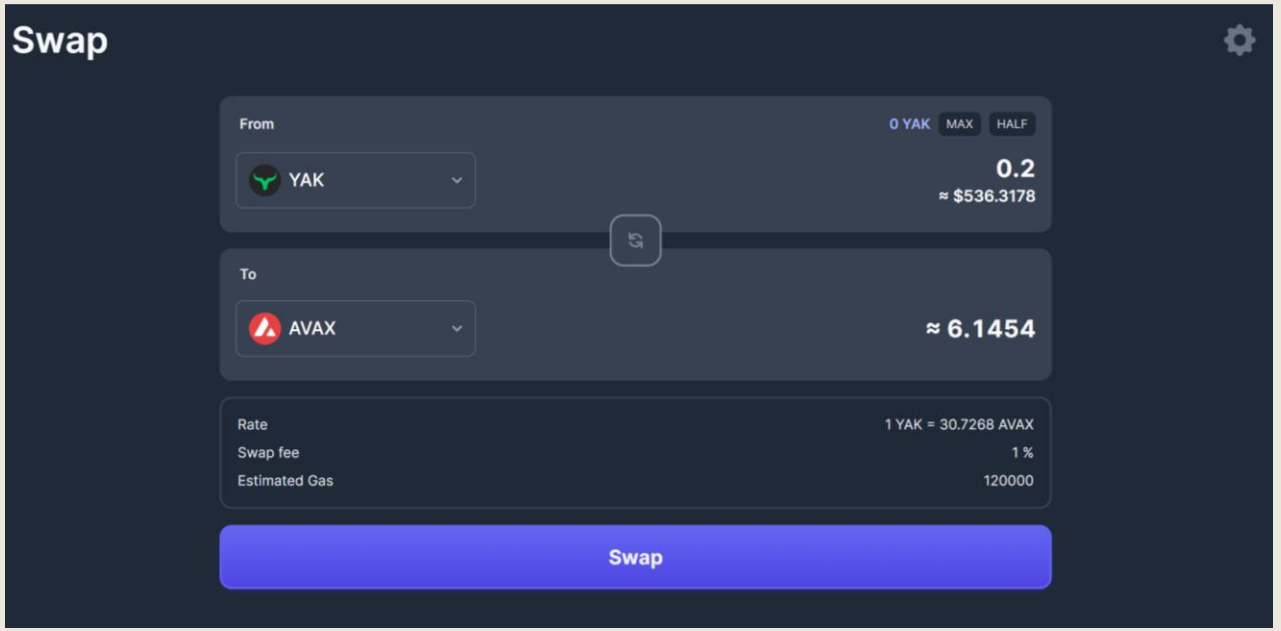
Purchases happen FootyOracle's NFT Marketplace



YIELDYAK DEX PLUGIN

YieldYak DEX

- **Problem :** FootyOracle accepts AVAX, but user's funds are in USDC / WETH etc.
- **Solution** : FootyOracle's own YieldYak DEX plugin.
- Users can exchange tokens for AVAX and use it on the platform.
- Currently running on Mainnet-fork.

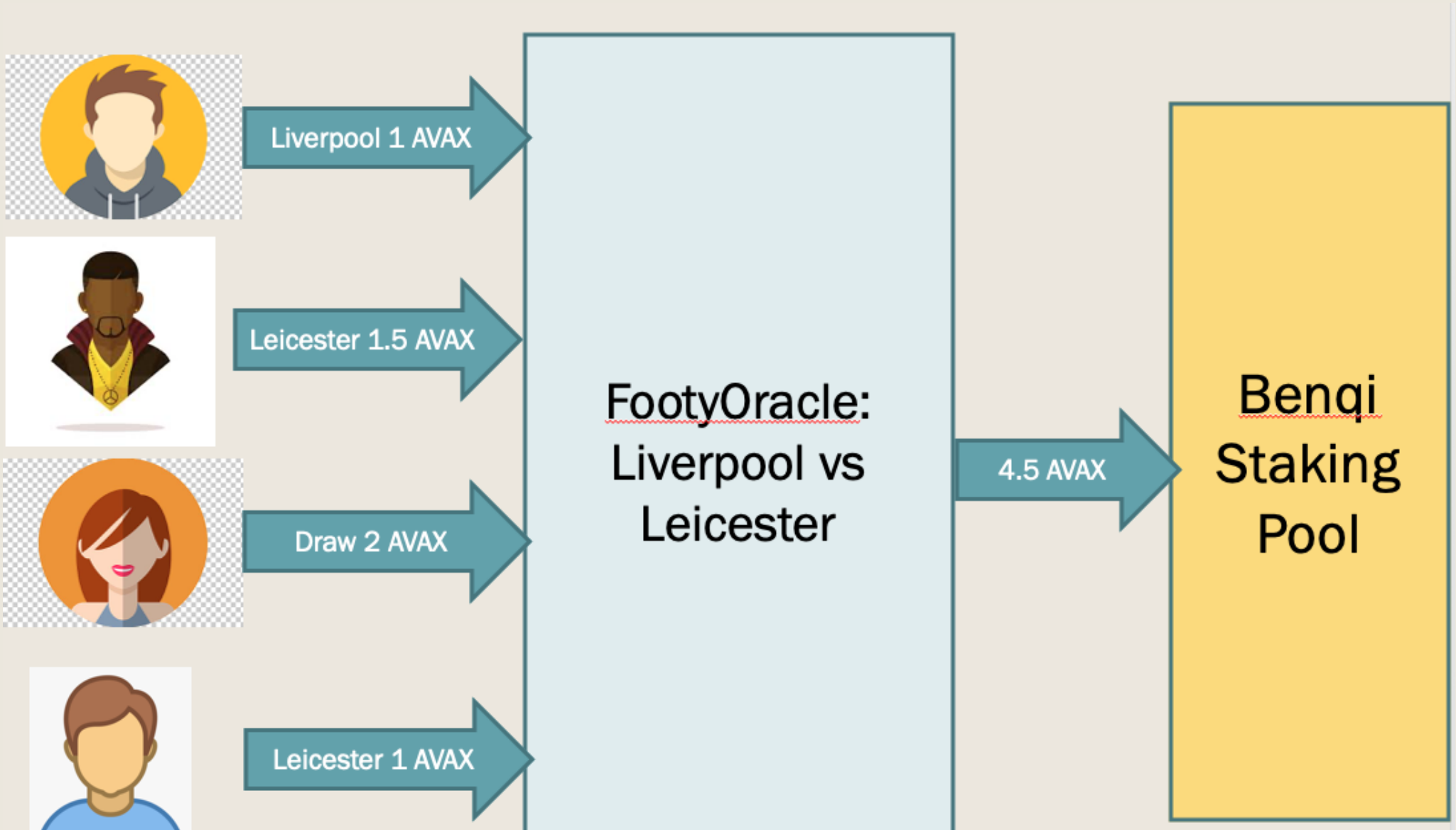


Lossless Betting with Staking on **Benqi**

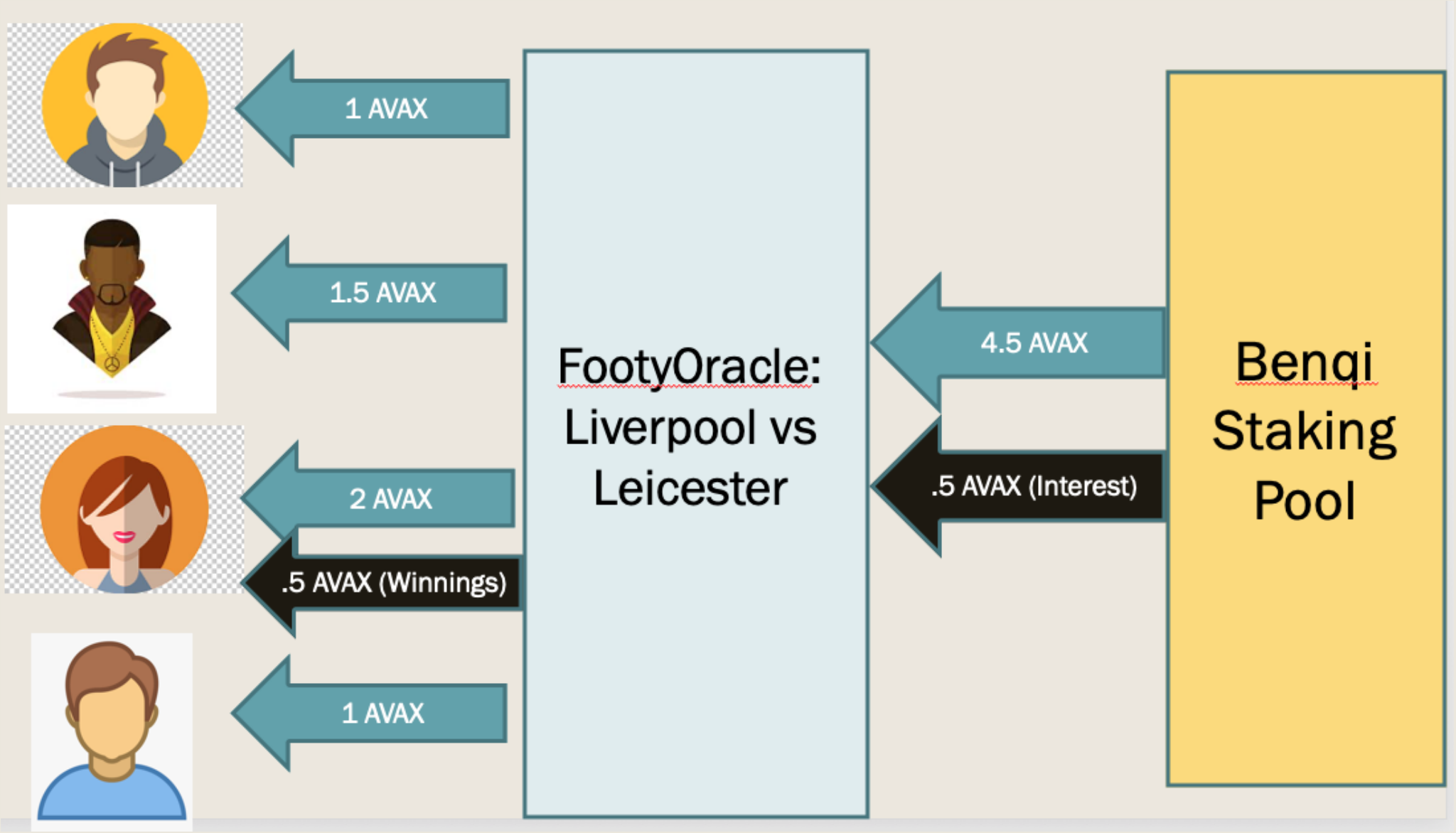
Lossless Betting with Staking on **Benqi**

- **Problem**: User is new to prediction markets and apprehensive about losing funds.
- **Solution**: Lossless betting.
- Deposited funds will be staked on Benqi.
- One winner will get the interest from staking. (Similar to Pooltogether)

Lossless Betting: Placing Bets



Lossless Betting: After Match Result

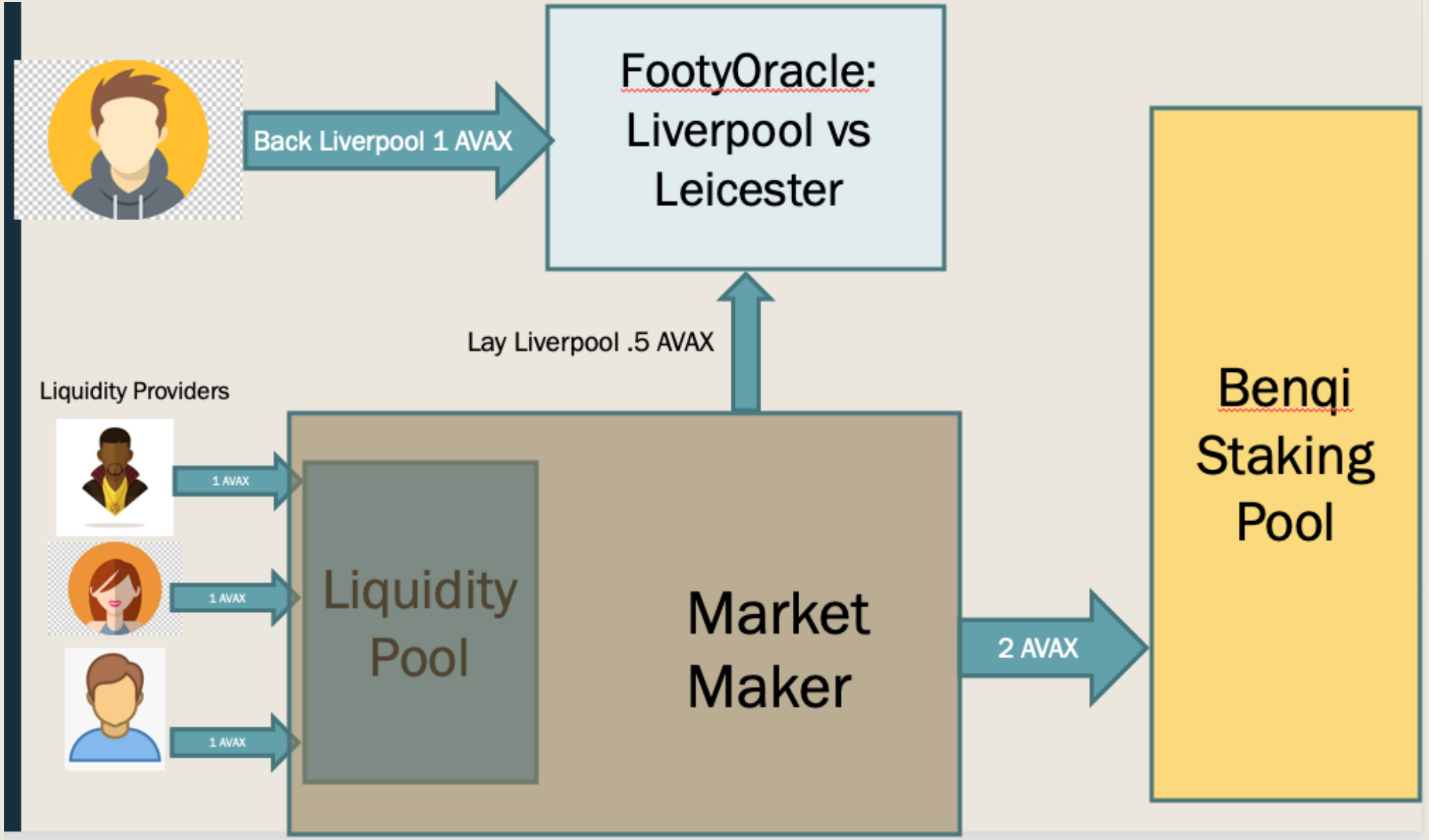


Market Maker and Liquidity Pool

Market Maker and Liquidity Pool

- **Problem**: P2P Betting will have bets that are unmatched.
- **Solution**: A Market Maker that will take the opposing side only if the odds are favorable.
- Funds will come from a Liquidity Pool.
- Users providing liquidity will be issue LP NFTs which can be traded.
- Some portion of the funds will be deposited in Benqi to ensure minimum returns.

Market Maker and Liquidity Pool



Advantages of Market Maker

- **For Bettor:**
  - *No more unmatched bets (at least for some odds)*
  - *Small bets but reasonable wins*
- **For LP token holders:**
  - *Potential for higher returns than Aave / Benqi staking.*
  - *Trade LP tokens. A secondary market on the NFT Marketplace.*
- **For Platform:**
  - *No more unmatched bets.*
  - *LP tokens are NFTs, more potential for NFT Marketplace trading, more fees.*
  - *Completely separate contract with little or no need to change existing code.*

Footy Token

Utility of Footy Token

- **For Exchange:**
  - *Paying less fees on trades*
- **For Lossless betting:**
  - *Boosting chance for winning the prize*
- **More:**
  - *Integrating with social tokens*
  - *Staking/holding FC Porto token and Footy token = Eligibility of prizes from club (tickets, merch …)*

Distribution of Footy Token

- **Yield Farming Incentives:**
  - *Earning tokens for participating in lossless betting*
  - *Earning tokens for betting (e.g 10 footy tokens for each 1 Eth of fees paid)*