

Hackathon Gov Web 3

Bryan Borck

Luiz Vasconcelos



whale

MOTIVATION: Use of blockchain in Asset Management

1

CONTEXT

Current Financial Market
is **being transformed by**
blockchain through DREX
and other solutions
(Chainlink + Fireblocks)

2

IDEA

The hedge funds **industry**
is giant and can be
leveraged by this
transformation **cutting**
costs

3

CHALLENGE

The **innovation** of the
project (ERC 6551 was
released in May 2023) and
the need for **security**
in the solution

Asset Management Industry

Decentralization

Challenges



► Opportunity to cut costs and to provide decentralization

Scenario

Hedge Funds Industry seeks
for a **safe innovation** to
decentralize investments
in assets

There is a **growing**
adoption of blockchain
as infrastructure in the
financial market

Possibilities

Investors and managers can have
more control over their assets,
without the influence of
centralized entities

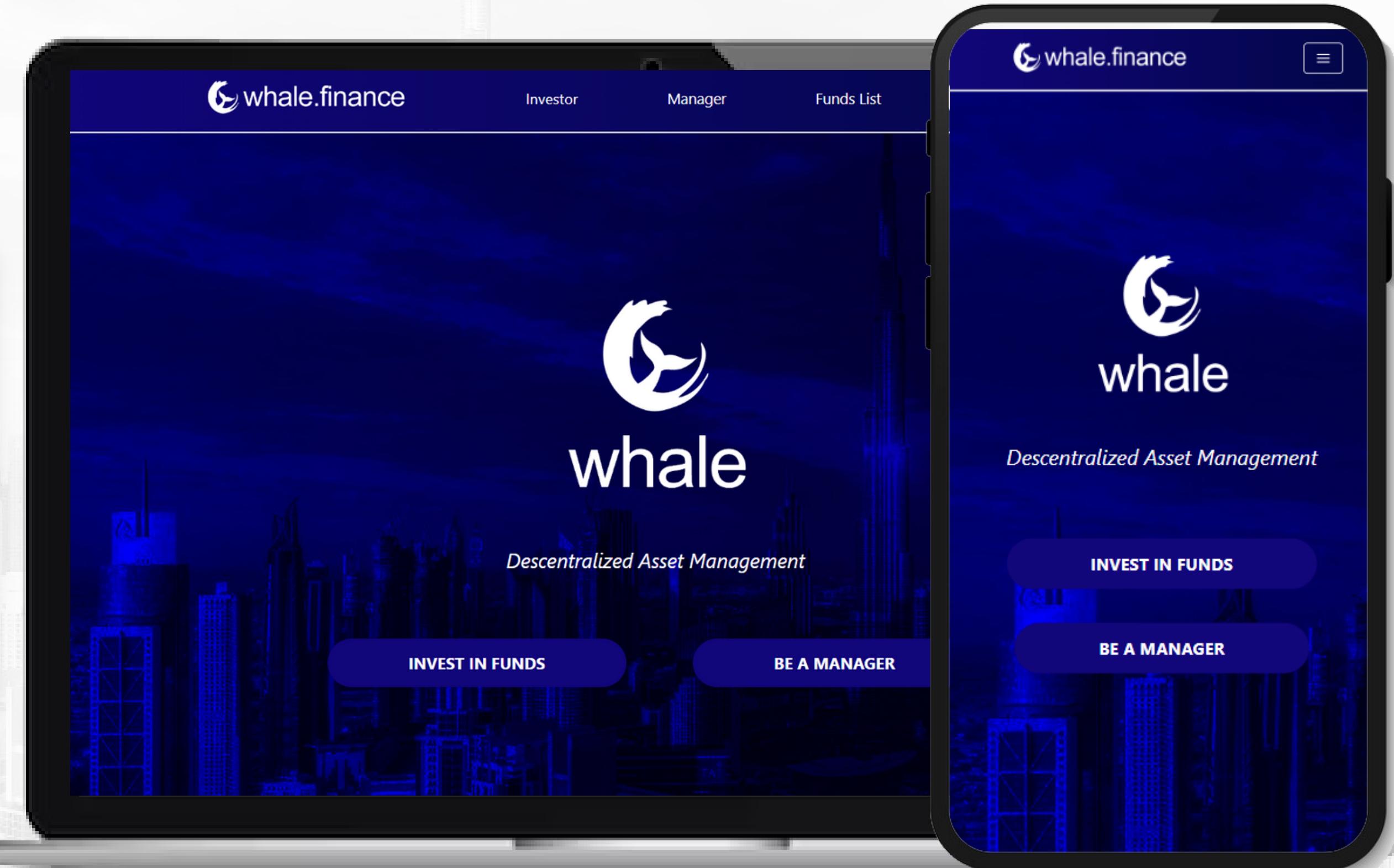
By eliminating intermediaries
(custodian), a decentralization
can **reduce the costs** associated
with asset management



► Whale.finance to invest in decentralized funds

Responsive solution:

A platform to allow investors to invest in funds in a **full decentralized way**





Technology used to develop whale.finance

Frontend



Vite.js



Tailwind CSS

Blockchain

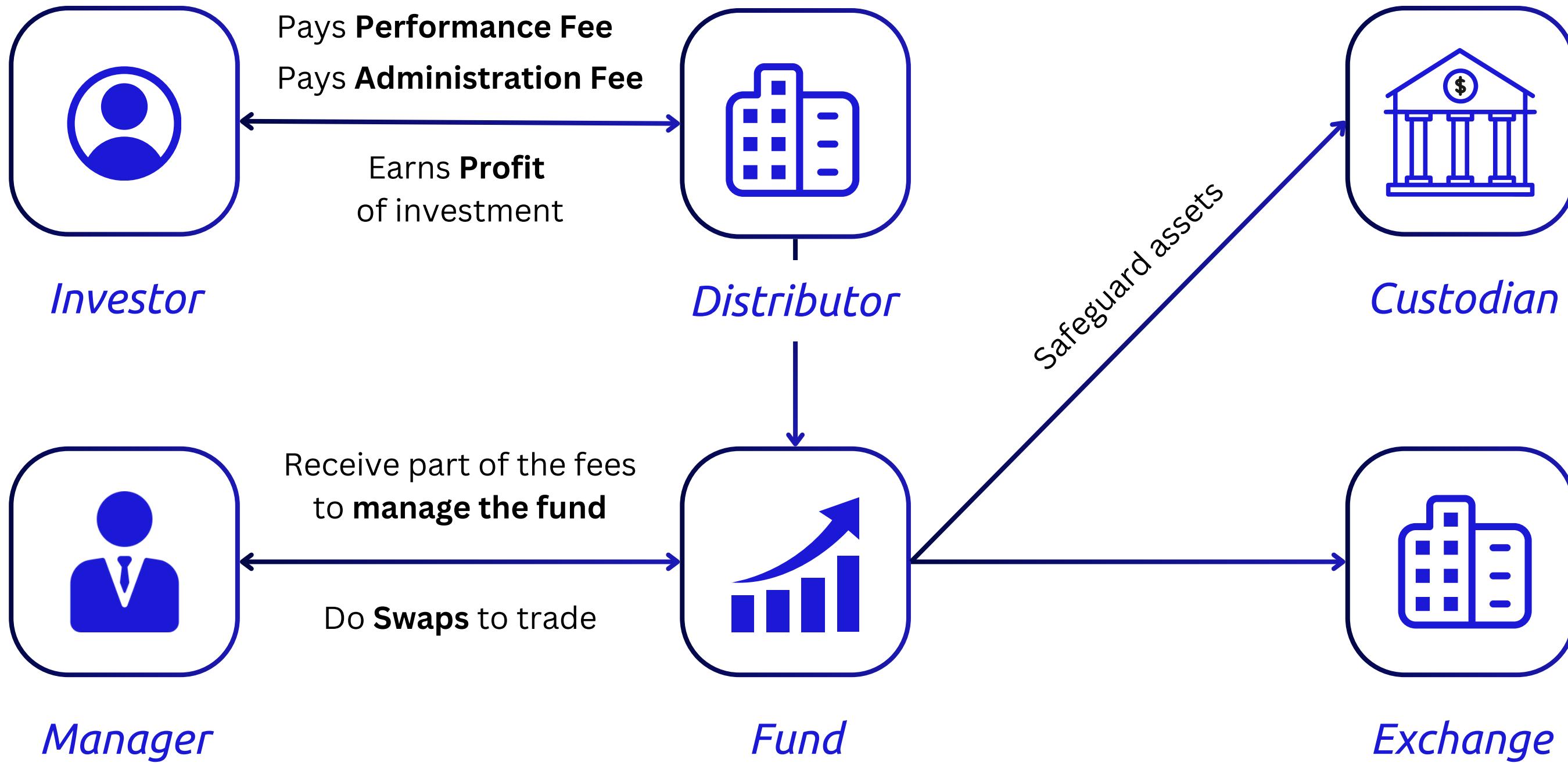
A solution to provide an **intuitive and user-friendly** platform for engaging with crypto funds

Utilization of **ERC6551** for creating NFT-bounded accounts and **ERC721** for minting the decentralized funds

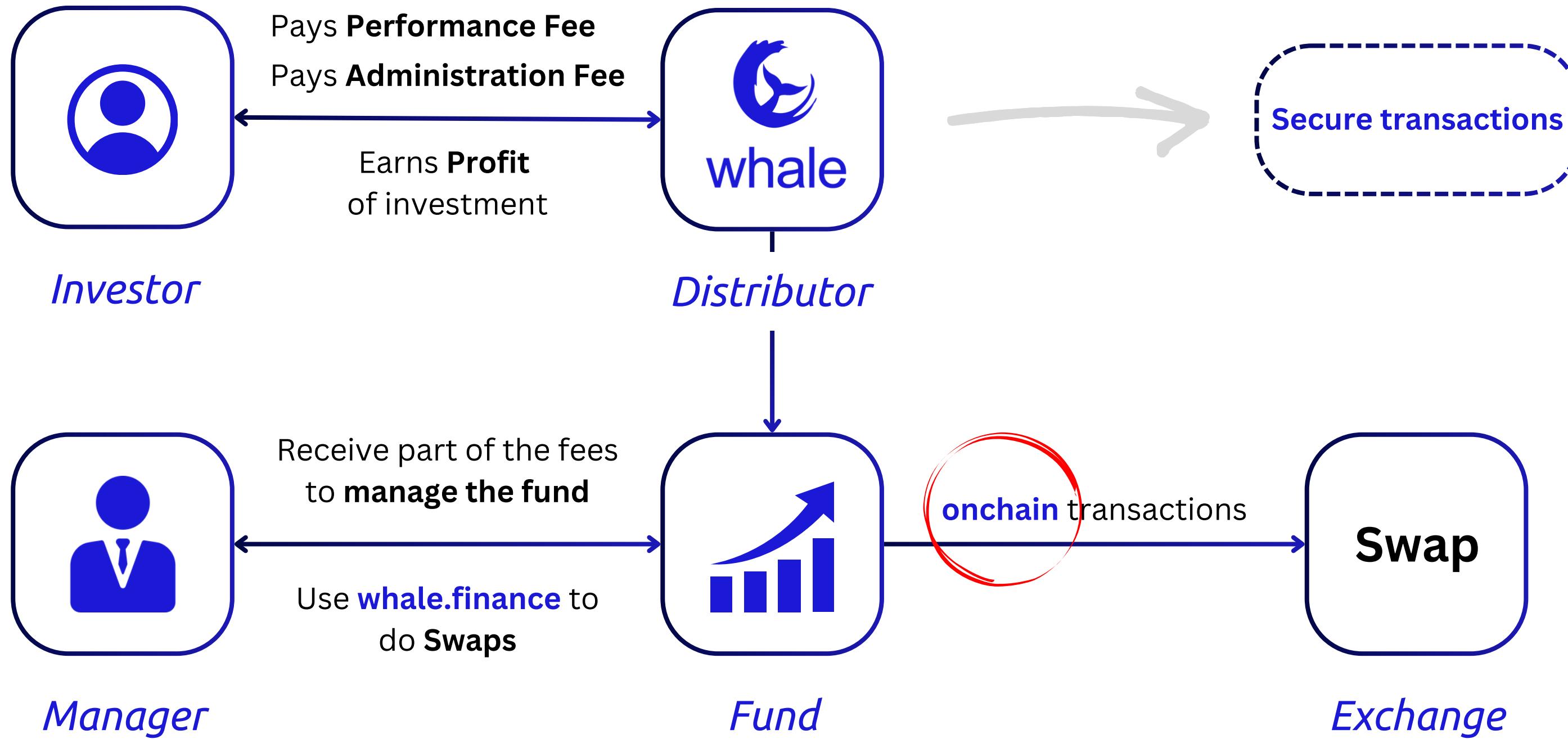




Traditional Asset Management Industry



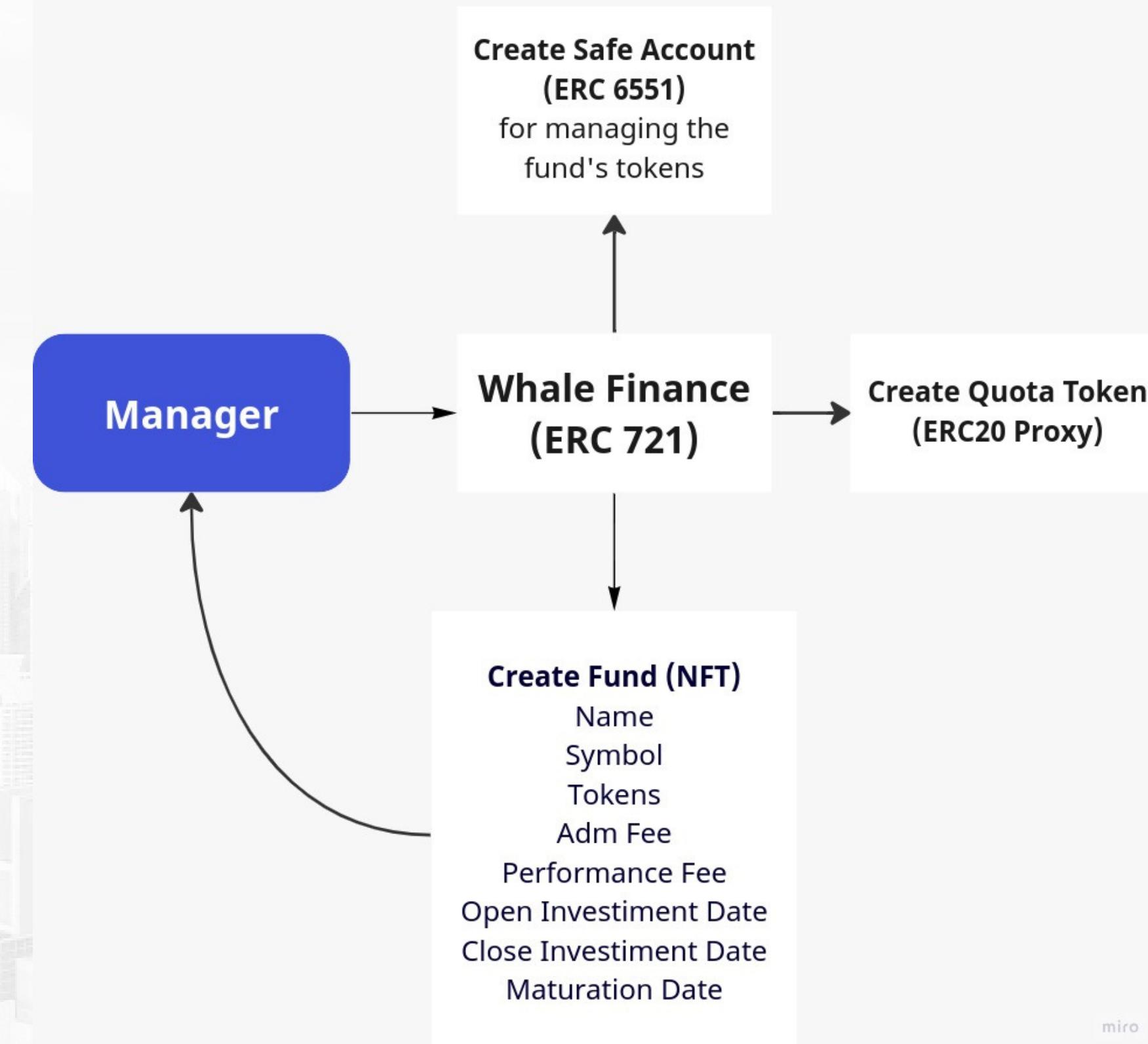
► PROPOSAL: Decentralized Asset Management Industry





Features:

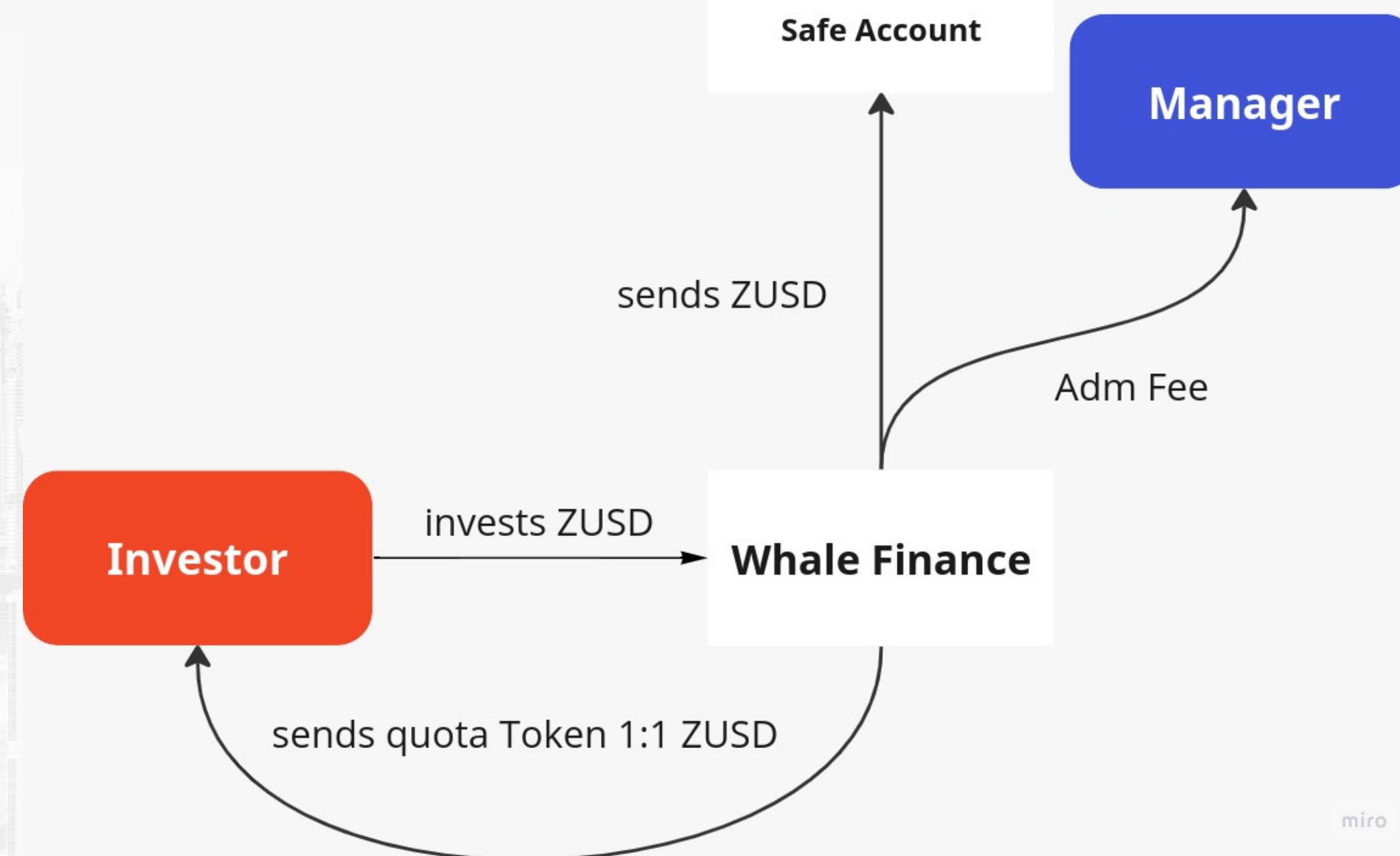
Fund Creation





Features:

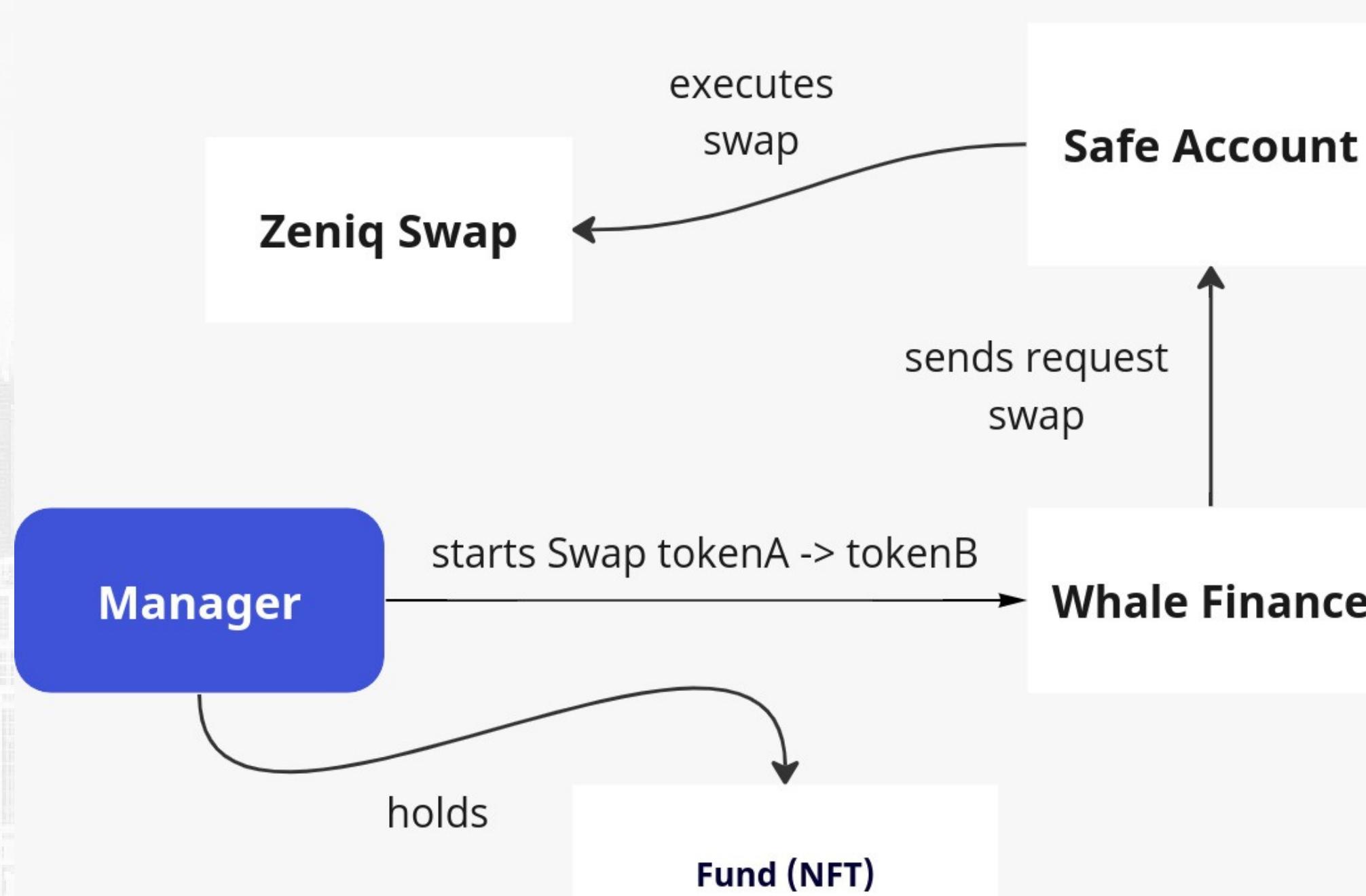
Investment





Features:

Indirect Swap



miro



Prototype



User Experience Path



Funds List to access funds of many profiles

The screenshot shows the whale.finance platform's "Funds List" section. The top navigation bar includes the whale.finance logo, Investor, Manager, Funds List, and Connect Wallet buttons. Below the navigation, the title "Funds List" is centered. The page displays nine cards, each representing a different investment fund:

- Bridgewater Associates** (Macro): TVL \$113.36 mi, Investors 100, Rent. 12m 10.0% ↑ (circled in red)
- Renaissance Technologies** (Quantitative): TVL \$113.36 mi, Investors 100, Rent. 12m 10.0% ↑
- Man Group** (Multi-Strategy): TVL \$113.36 mi, Investors 100, Rent. 12m 10.0% ↑
- AQR Capital Management** (Quantitative): TVL \$113.36 mi, Investors 100, Rent. 12m 10.0% ↑
- Two Sigma Investments** (Quantitative): TVL \$113.36 mi, Investors 100, Rent. 12m 10.0% ↑
- BlackRock** (Multi-Strategy): TVL \$113.36 mi, Investors 100, Rent. 12m 10.0% ↑
- Citadel** (Multi-Strategy): TVL \$113.36 mi, Investors 100, Rent. 12m 10.0% ↑
- Pantera Capital** (Crypto): TVL \$113.36 mi, Investors 100, Rent. 12m 10.0% ↑
- Tiger Global Management** (Equity): TVL \$113.36 mi, Investors 100, Rent. 12m 10.0% ↑



► Fund Data to see performance, tokens and metrics

whale.finance

Dashboard Manager Funds List Wallet Connected: 0xa71...04f

FUND1

Performance

Date	Performance Value	Benchmark Value
10-20	105	105
11-20	108	108
12-20	105	110
01-20	108	105
02-20	110	102
03-20	108	105
04-20	115	105
05-20	115	102
06-20	112	98
07-20	115	102
08-20	112	105
09-20	115	98

• benchmarkValue • performanceValue

Invest

Your ZUSD Balance: 0.00

Your quotas Balance: 0.00

Quota Price: 1.00 USD/quota

Total number of quotas: 9.95

See the quota on-chain: 0x1a45aFd18563791...

How many ZUSD do you want to invest?

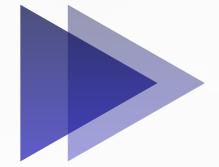
0

INVEST

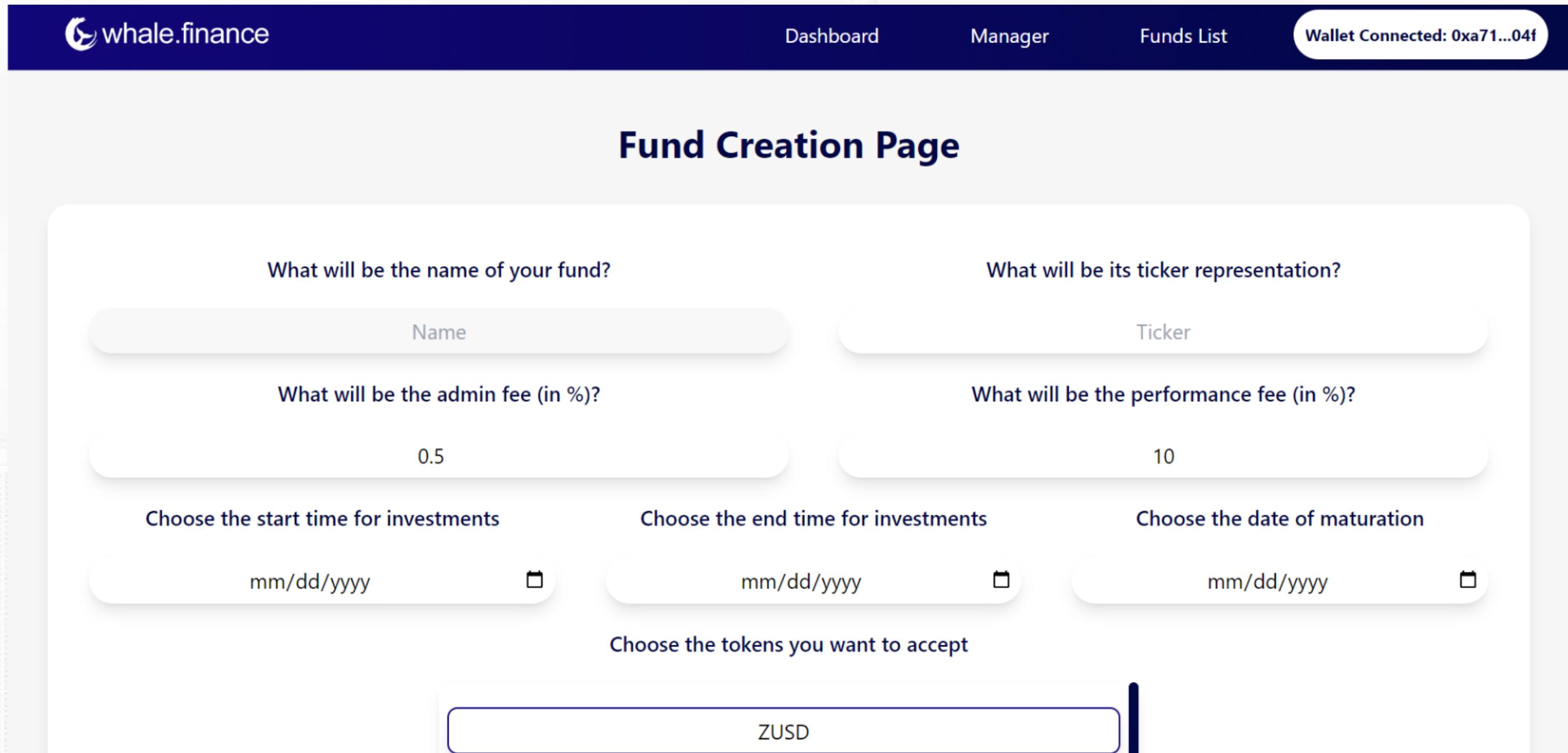


Manager Experience Path





Manager page to create and see own funds performance



The screenshot shows the 'Fund Creation Page' on the whale.finance website. At the top, there is a navigation bar with the logo 'whale.finance', 'Dashboard', 'Manager', 'Funds List', and a wallet status 'Wallet Connected: 0xa71...04f'. The main title 'Fund Creation Page' is centered above a form.

What will be the name of your fund?

Name: [Input field]

What will be its ticker representation?

Ticker: [Input field]

What will be the admin fee (in %)?

0.5 [Input field]

What will be the performance fee (in %)?

10 [Input field]

Choose the start time for investments

mm/dd/yyyy [Input field] Calendar icon

Choose the end time for investments

mm/dd/yyyy [Input field] Calendar icon

Choose the date of maturation

mm/dd/yyyy [Input field] Calendar icon

Choose the tokens you want to accept

ZUSD [Input field]



► Manager Dashboard to swap tokens and see fund data

whale.finance

Dashboard Manager Funds List Connect Wallet

BlockChain Holdings (Manager Dashboard)

Performance

The chart displays two data series: 'benchmarkValue' (blue line with circles) and 'performanceValue' (yellow line with diamonds). The Y-axis ranges from 0 to 120. The X-axis shows months from 10-20 to 09-20. Both series show a general upward trend with some fluctuations.

Date	benchmarkValue	performanceValue
10-20	~108	~108
11-20	~108	~108
12-20	~105	~110
01-20	~108	~105
02-20	~110	~105
03-20	~110	~105
04-20	~115	~108
05-20	~115	~105
06-20	~112	~98
07-20	~115	~102
08-20	~112	~102
09-20	~115	~98

Swap

Choose your tokens to swap

Balance: 0.000 ZUSD

0 ZUSD ▾

Balance: 0.000 ZUSD ZUSD ▾

SWAP





Why us? And what is our potential?

Differentials

Integration and use of **Solana** to provide **safety and transparency** holding assets

Great user experience connecting managers and users in a **decentralized way** **working always with data**

Potential

Take profit by getting part of the administration fee of an industry that worth more than **1 bi USD** (only crypto funds)

The **whale.finance** can be integrated in the future with other technologies in the market and explore many assets





whale.finance

Thank You

Hackathon Gov Web 3

Our Team



Bryan Borck

Brazil

Equity Research (22-23)

Developer/Designer



Luiz Vasconcelos

Brazil

Equity Research (21-22)

Blockchain Developer