

Challenge Task

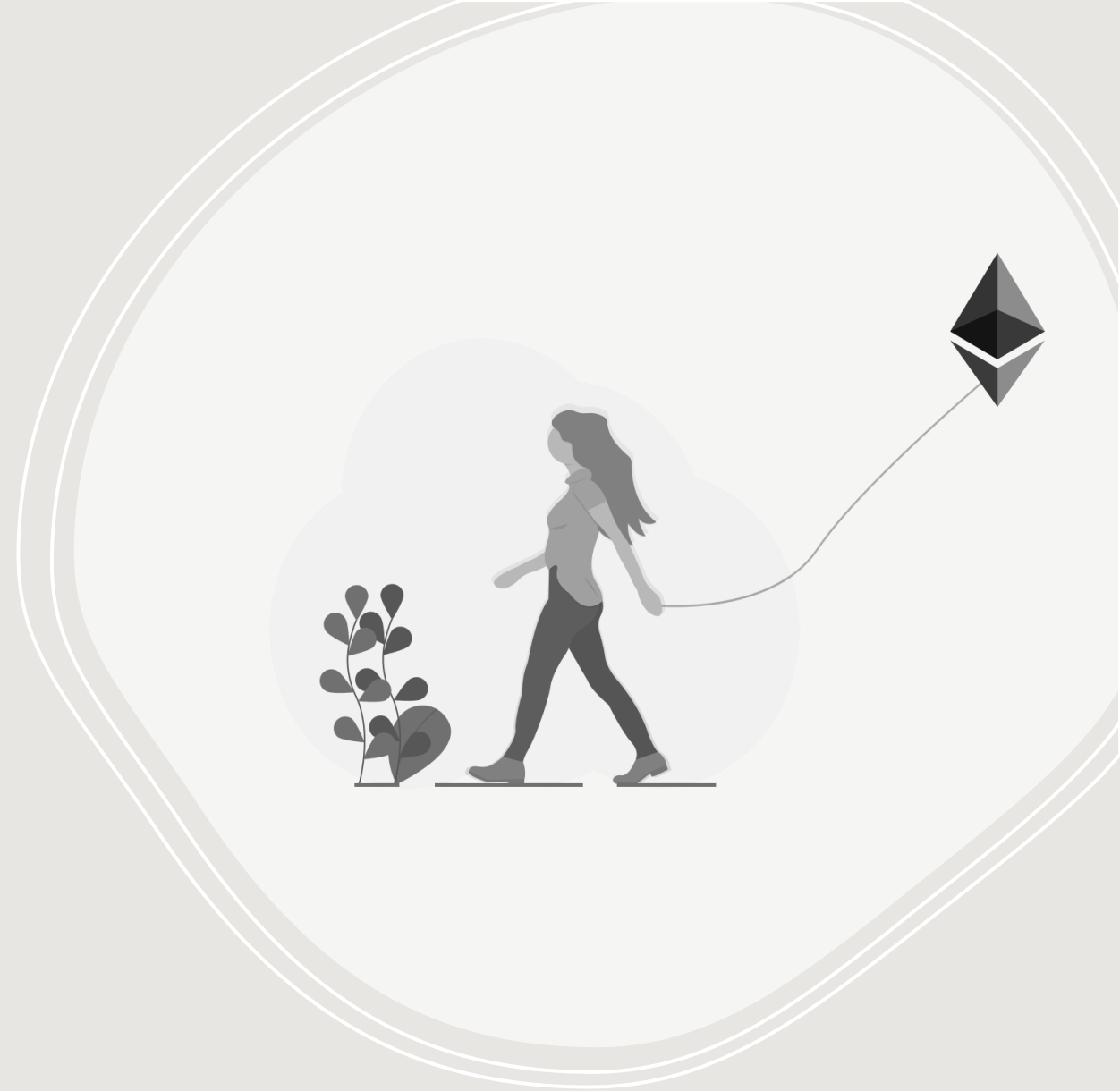
QuoteNFT

Blockchain

HS2021

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Agenda



GOAL



SOFTWARE
DESIGN



IMPLEMENTATI
ON



REQUIREMENT
S



DEMONSTRATI
ON

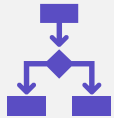
Goal

A platform to trade QuoteNFT's
(Learn new technologies)

Software Design



Frontend



Backend



Blockchain
(Test
Network)



Storage

Tech Stack

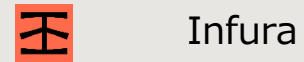
FRONTEND



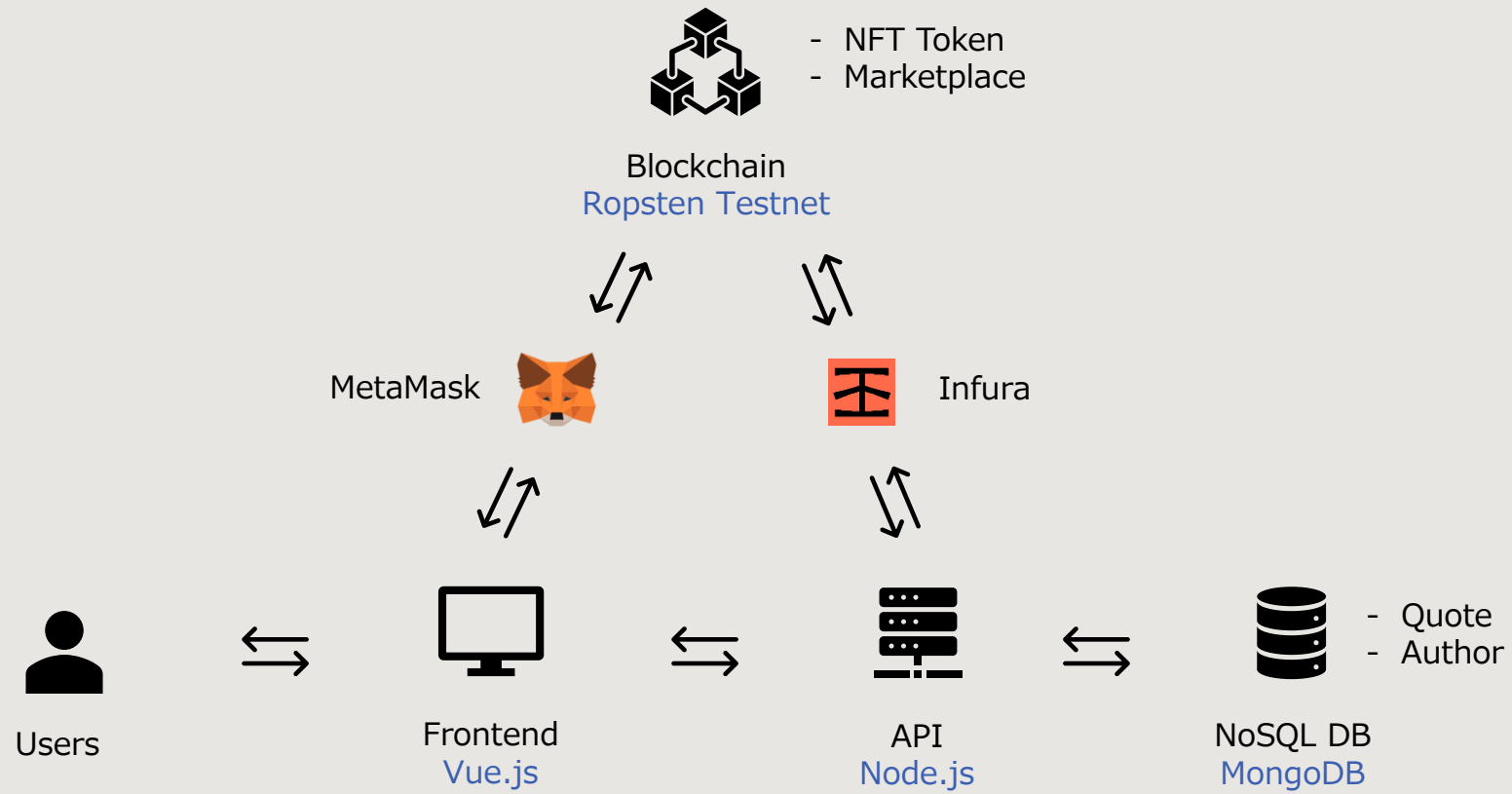
DATASTORE



BACKEND



Implementation



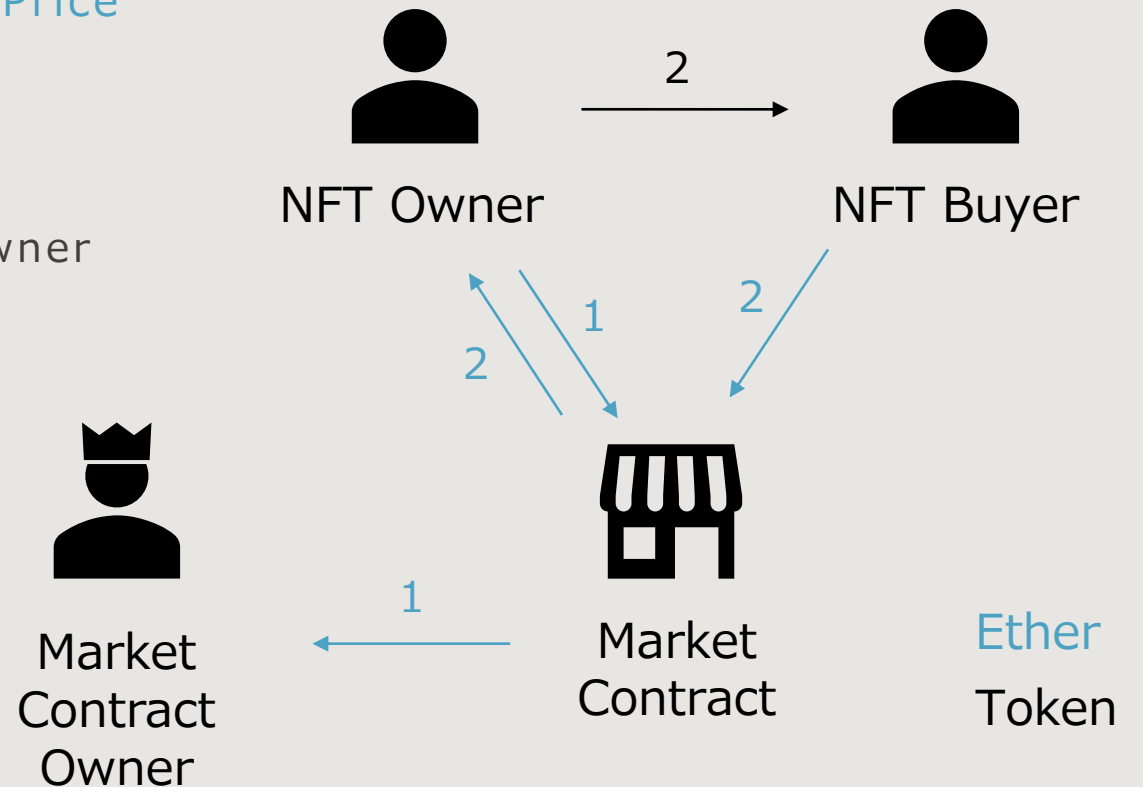
Transfer Procedure

1. bringToMarket(tokenId, price) with listingPrice

- add token to market list
- approve market contract for transfer
- transfer listingPrice to market contract owner

2. buyToken(tokenId) with price

- transfer price to owner
- transfer token to buyer
- delete tokenId from market list



Requirements

- ✎ Simple Frontend
- ✎ NFT Token Stored on a public blockchain
- ✎ Storage
- ✎ Transfer of an NFT
- ✎ Use latest stable releases of chosen Libraries/Frameworks

- ✓ Vue.js frontend
- ✓ QuoteNFT on Ropsten Testnet
- ✓ MongoDB to store Quote and Author
- ✓ Transfer via Market Contract
- ✓ Used latest stable releases

« QuotesNFT » Oxec83d2d6a33747F6aC0688EA15692Fc4050Ff871 on Ropsten Test Network

Text

Autor

Besitzer

Nur Eigene ☐

Nur zum Verkaufen ☐

Suchen

« Life isn't about getting and having, it's about giving and being. »

Kevin Kruse

« We must balance conspicuous consumption with conscious capitalism. »

Kevin Kruse

Demonstration

Questions

The bottom of the slide features a series of three overlapping, wavy lines that curve upwards from the left and right sides towards the center. The lines are in shades of light gray and white, creating a modern, abstract design.