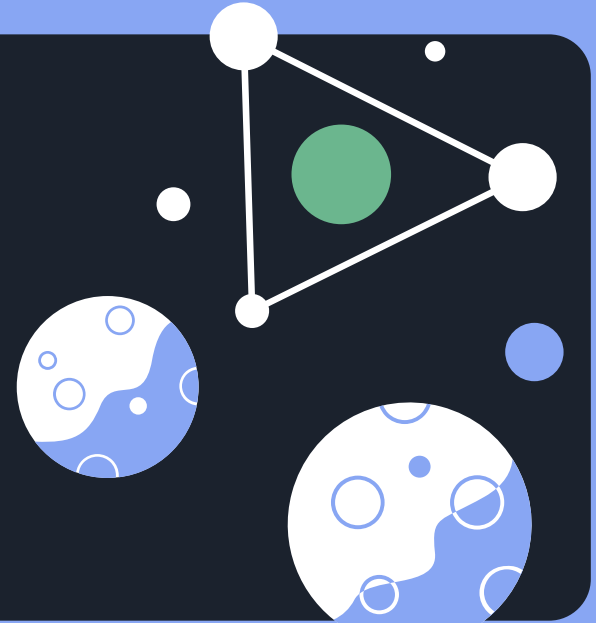


NFT Marketplace



UW Fintech Bootcamp CapStone

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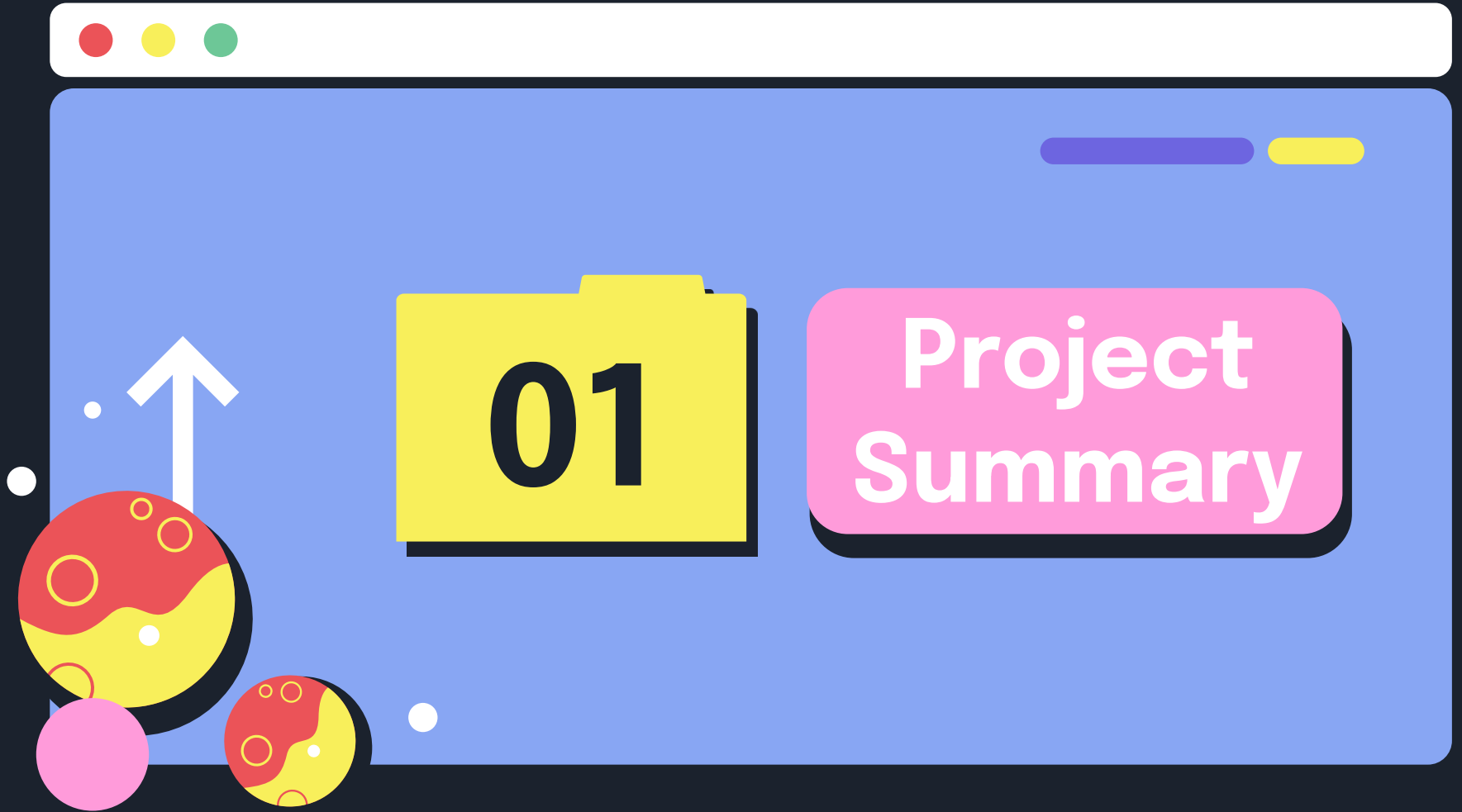
Our Approach

Explanation of how we went about creating this project

04

Next Steps

Struggles and looking forward





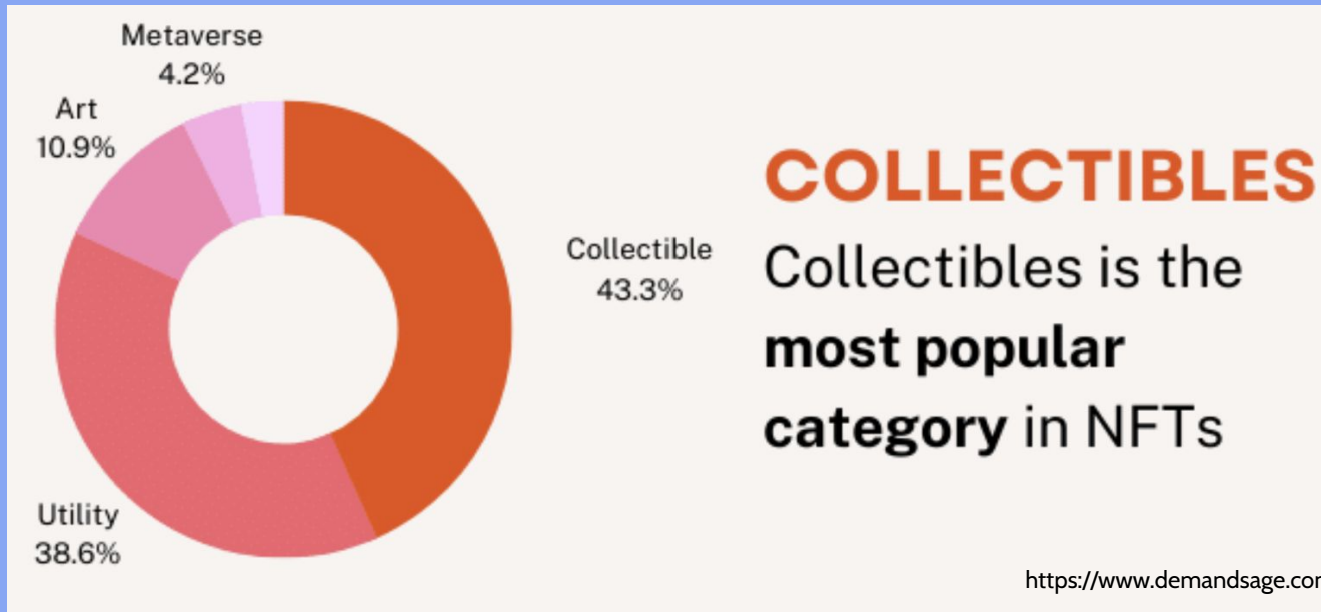
Goal

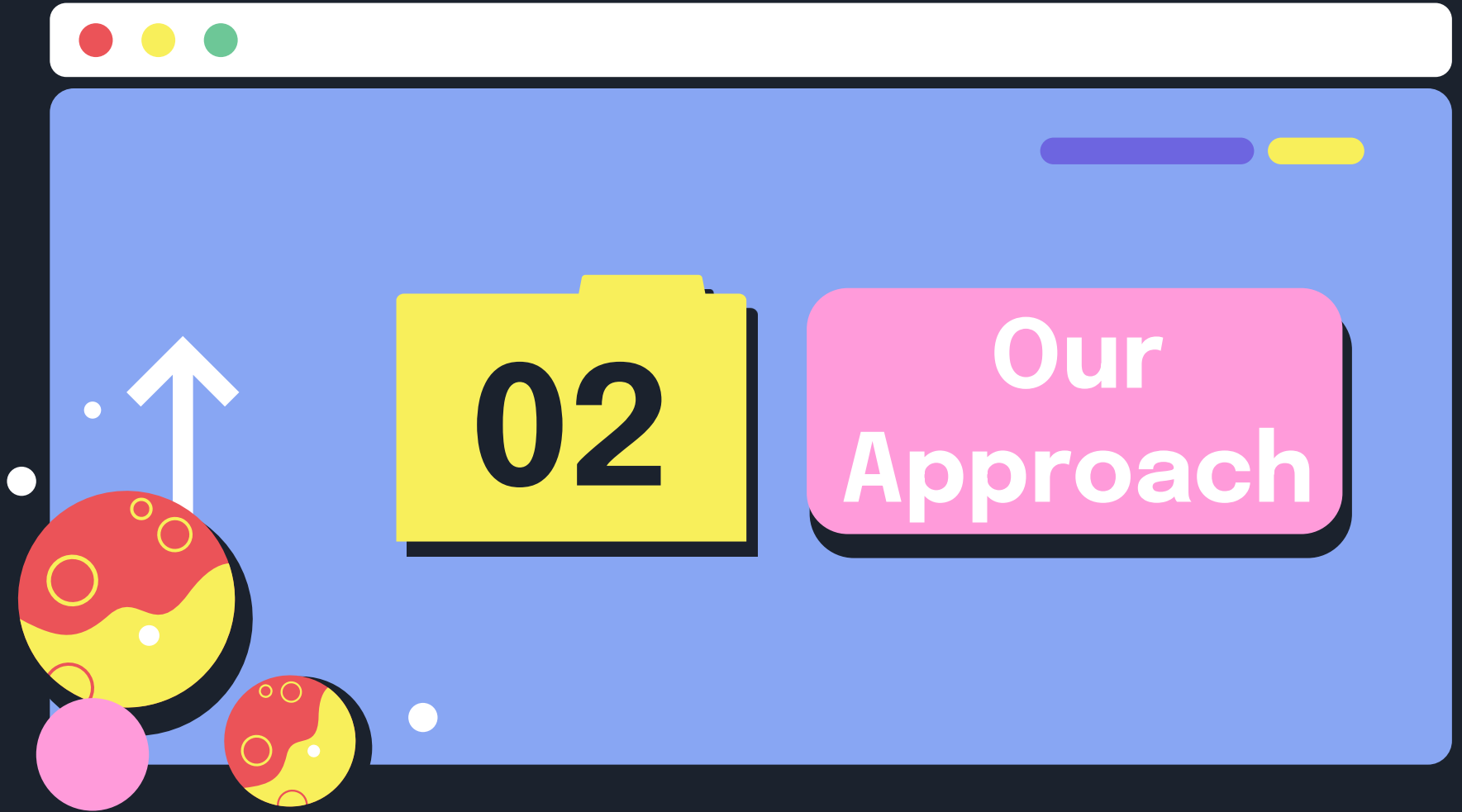
Create a Streamlit web application marketplace where users can mint their NFT and receive ICO for their participation in the marketplace in a background dApp

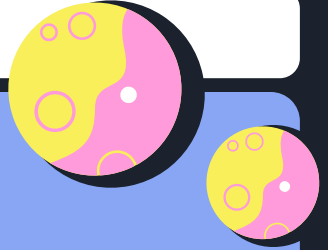


FinTech?

“NFTs may be central to the future of decentralized finance (DeFi). These are fintech projects that use cryptocurrency or the blockchain to disrupt existing financial intermediaries...For fintech companies that want to invest in the crypto space or launch DeFi services of their own, NFTs may provide an alternative to other crypto fundraising techniques, like coin IPOs. Other new NFT-related DeFi projects show how fintech may evolve as the crypto space continues to grow and attract new investors.” (<https://news.fintechnexus.com/the-impact-of-nfts-on-fintech>)







01

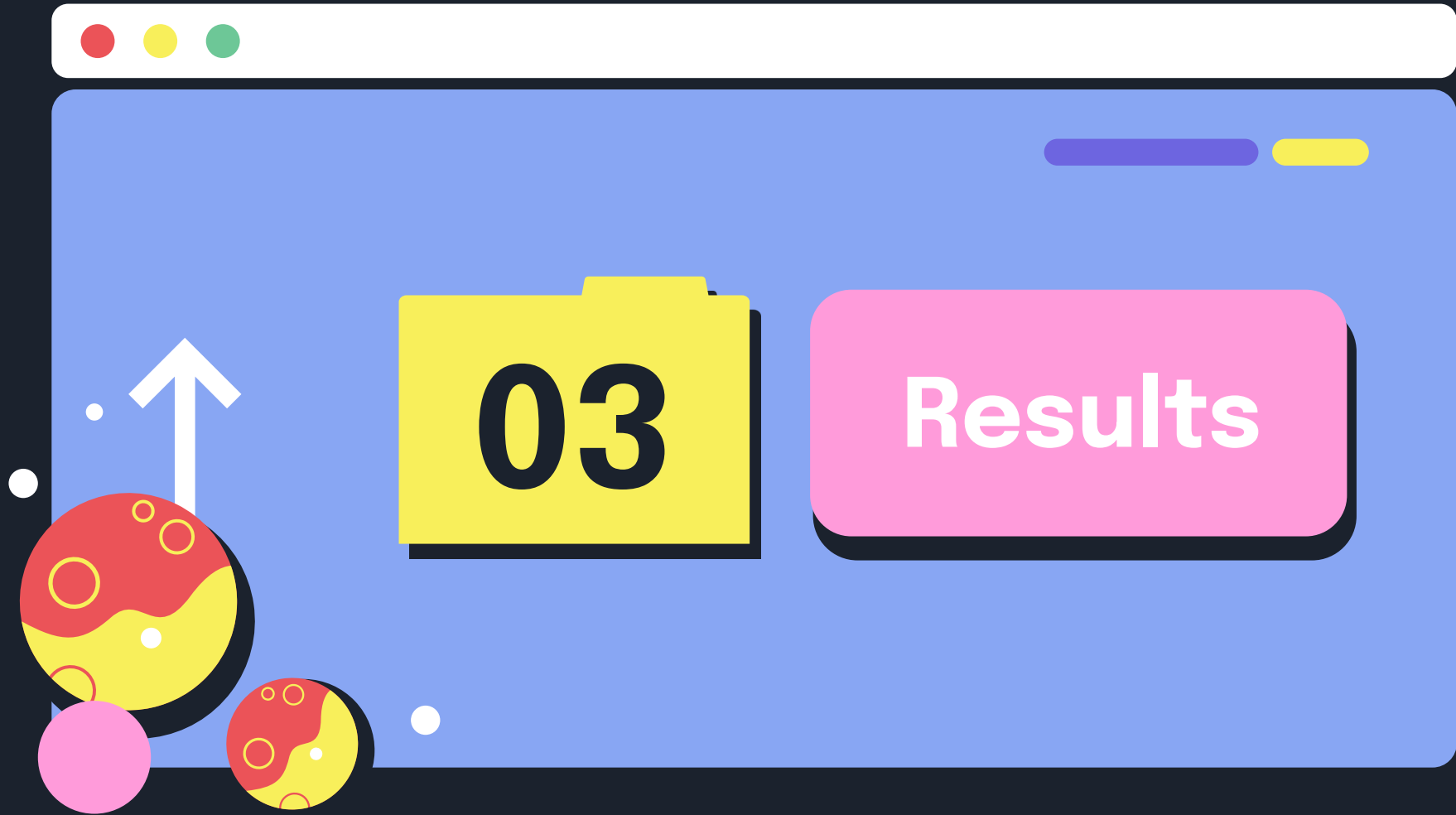
Separate ERC20 and ERC721 contracts

- Easier debugging
- More ability to experiment different functions without breaking whole code

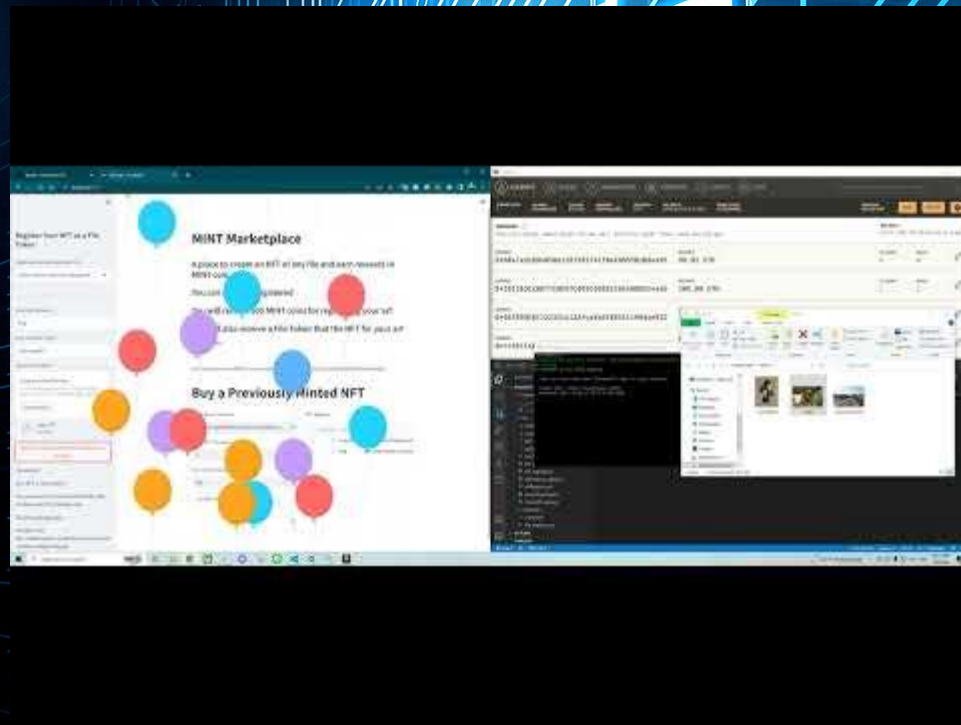
02

IPFS

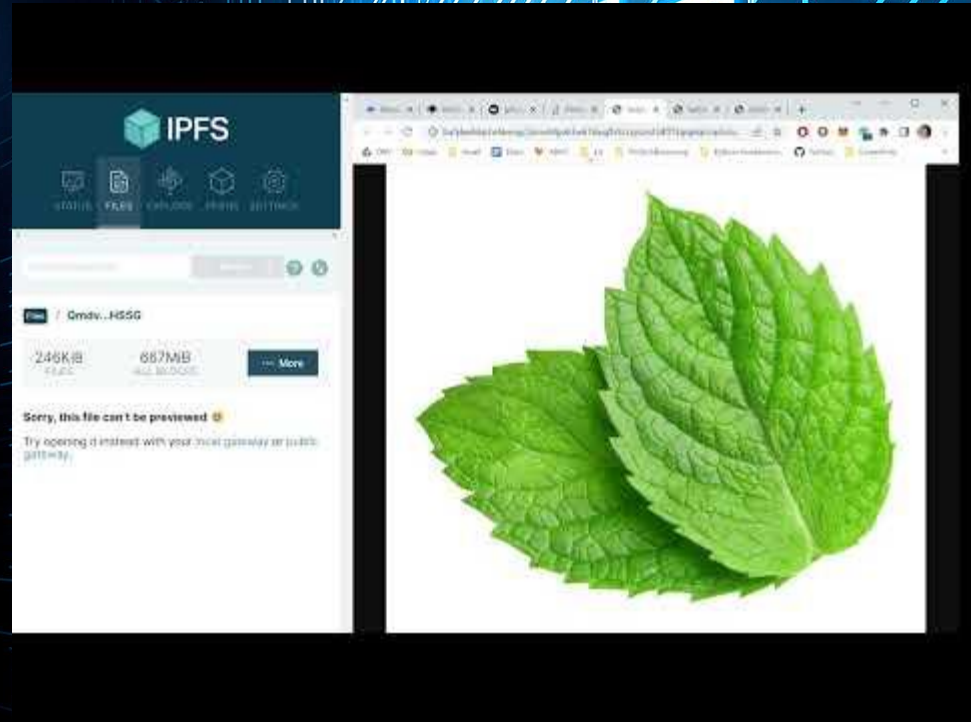
- Reduce load of the Streamlit application's server by decentralizing storage management



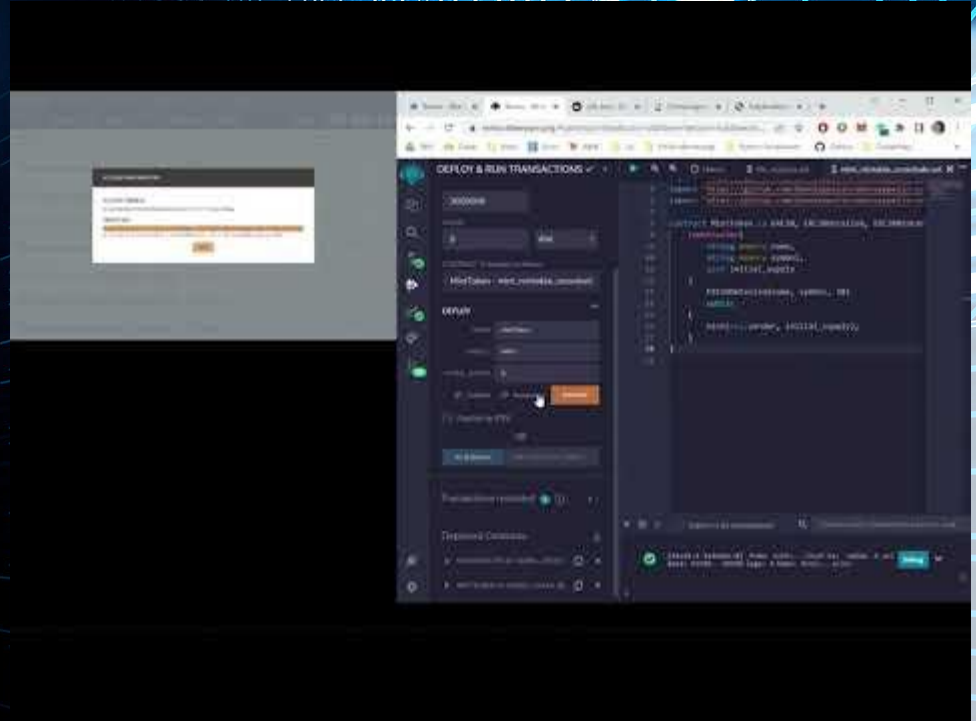
App Demo

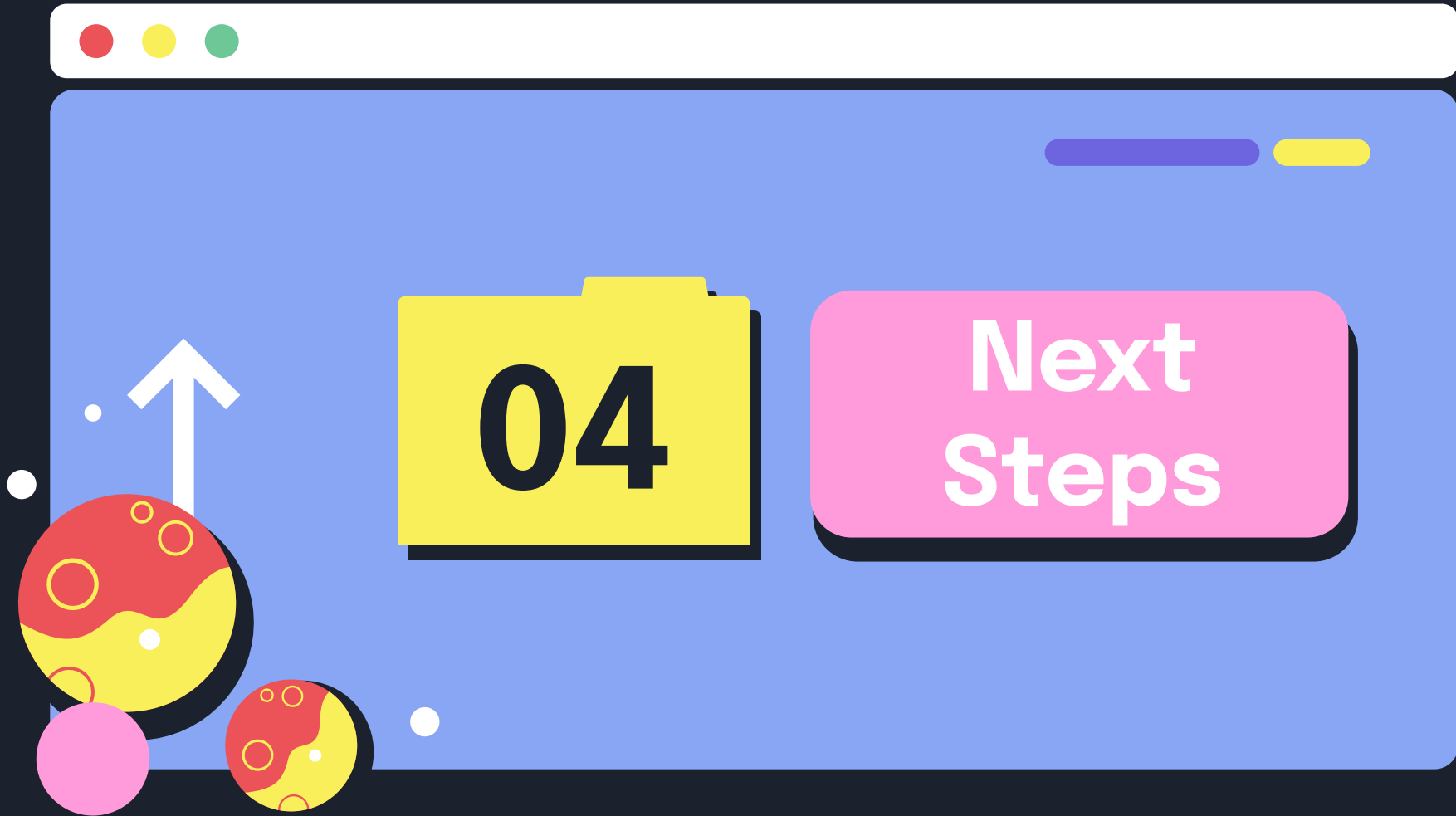


IPFS Demo



Metamask Proof of Mint







Limitations/Bugs:



Time


Given the time period for this project, our minimum viable product did not include all we envisioned for the marketplace

Ganache

Changing addresses everytime we opened the program to work

Technical Difficulties

Computers
Network





To Be Continued...

Visual token

Show visual/artwork
with description for
token for buyer rather
than just token
number and metadata

NEXT STEPS

Auction

Implement timed
auction with
transfer if
transaction is
approved



Thanks!

Does anyone have any questions?



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