

Art Registry into NFT Marketplace

Project #3

NFT Marketplace

dApp

The dApps embrace decentralization by using new blockchain technologies, such as smart contracts, so they become robust against these issues.

ERC-721

Ethereum Request for Comments (ERC) 721 is a data standard for creating non fungible tokens, meaning each token is unique and cannot be divided or directly exchanged for another ERC-721 token.

ABI

An ABI file contains contract details that the Web3.py library and Streamlit both of which we'll use for the front end of our dApp will need. They'll use these details to connect to the contract and to use its functions and data.

Libraries Used

-Path

-Web3

-dotenv

-streamlit

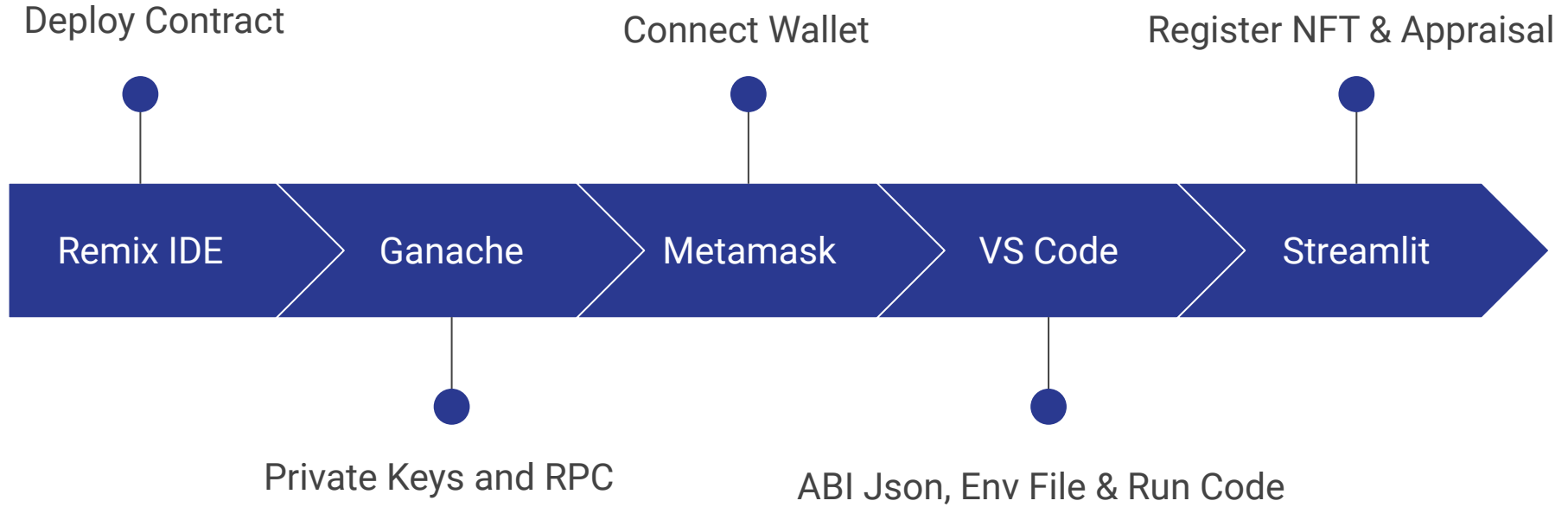
-json

-requests

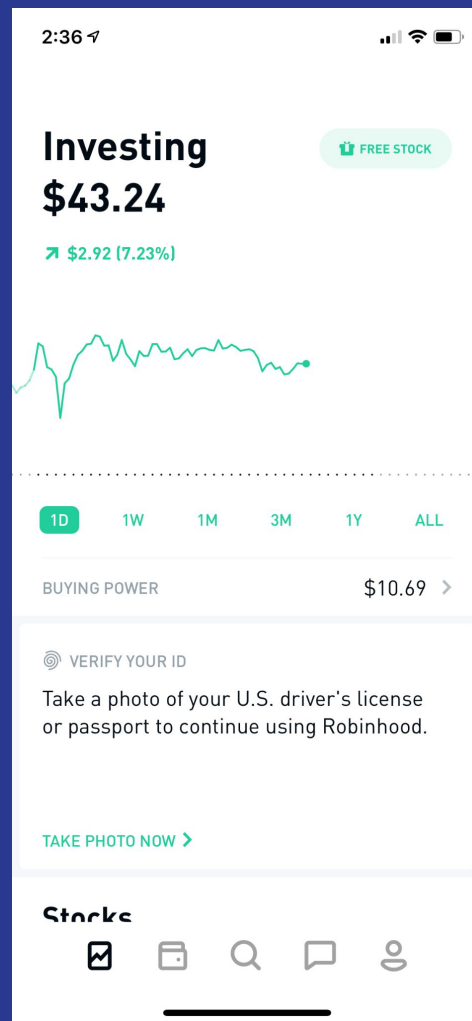
-os

-st_lottie

Implementation



NFT I chose to register:



Challenges (Bug Fixes)

Challenge 1

Path for streamlit has to be computer friendly, underscore in order for the streamlit to run successfully

Challenge 2

Dot env file had quotes but it doesn't need any in order to work

Challenge 3

Enter the initial appraisal amount has to be without dot or commas

Conclusion

Building a NFT that's compliant with the ERC-721 standard, complete with on-chain, custom members and several linked token URIs. app.py was needed and URIs that will allow to connect both data and a front end to your Solidity smart contract from outside the blockchain.



Credits

Module 22.2.4 Appraising the Situation

<https://lottiefiles.com/>

<https://www.youtube.com/watch?v=TXSOitGoINE>

<https://github.com/andfanilo/streamlit-lottie>
