

CRYPTO KAKTOS

By Dallas, Mike, Ryan and William

Non-Fungible Tokens

- Non-fungible tokens are cryptographic assets on a blockchain (a public, immutable, distributed digital ledger)
- Serve as a proof of ownership that can be held, sold or traded. NFTs are generally associated with digital files such as photos, videos, and audio



Fungible

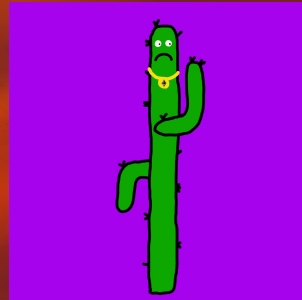
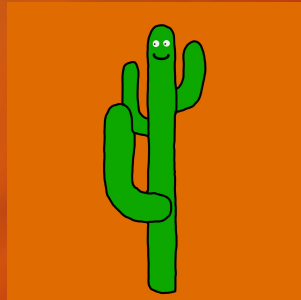
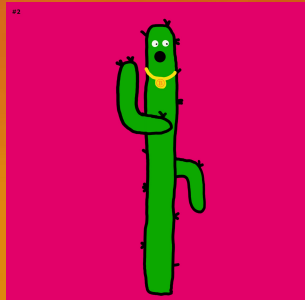


Non-Fungible

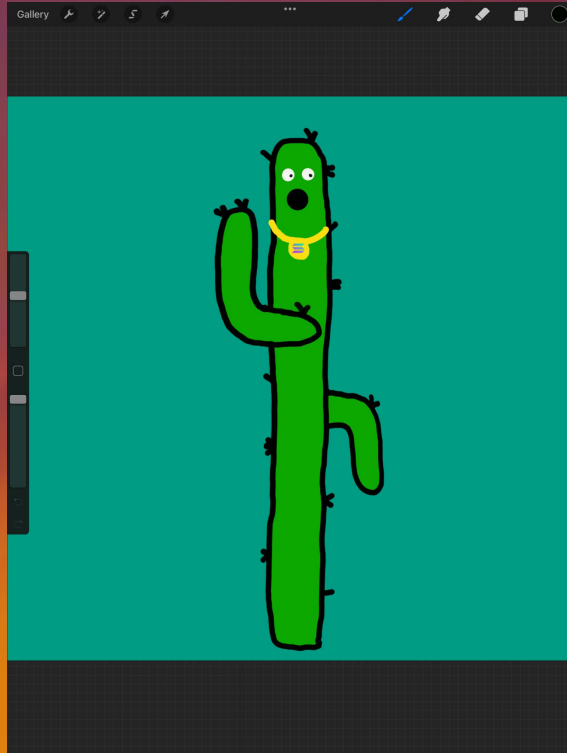
Motivation & Summary

We created a web application where Non-Fungible Token Collectors are able to mint a randomly generated Crypto Kaktos NFT.

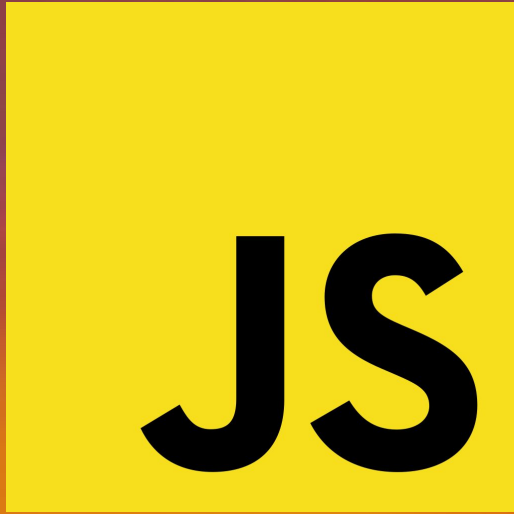
We were motivated by the idea of launching our own NFT in the midst of very favorable market conditions / NFT-hype, and the confidence we'd achieve by deploying our own live project: Crypto Kaktos.



Step 1 - Create Artwork & Layers



Step 2 - Randomly Generate 1,000 Kaktos artwork with
the Open Source HashLips Art Engine



Step 3 - Upload Generated Artwork



Pinata

Step 4 - Create & Deploy Smart Contract



METAMASK

Step 5 - Create & Deploy Front End Web App

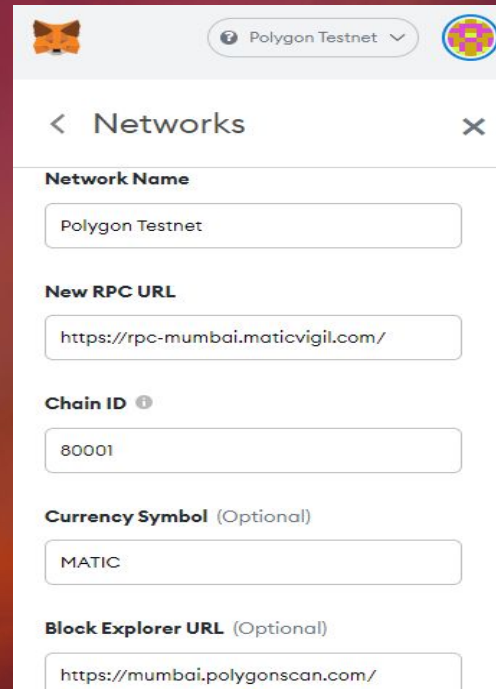


Step 4 - Deploy Social Accounts



Get your Metamask ready

1. Select “Settings” from the drop menu on the top right corner of your Metamask wallet
2. Select “Networks” from the menu to the left, then “Add Network”
3. Connect your wallet to the Mumbai Testnet using the following parameters:
 - a. Network Name: **Polygon Testnet**
 - b. New RPC URL: **<https://rpc-mumbai.maticvigil.com/>**
 - c. ChainID: **80001**
 - d. Symbol: **MATIC**
 - e. Block Explorer URL: **<https://mumbai.polygonscan.com/>**
4. MATIC Faucet found at **<https://faucet.polygon.technology/>**
 - a. Add 0.5 Matic to your Mumbai testnet



Networks

Network Name

Polygon Testnet

New RPC URL

<https://rpc-mumbai.maticvigil.com/>

Chain ID

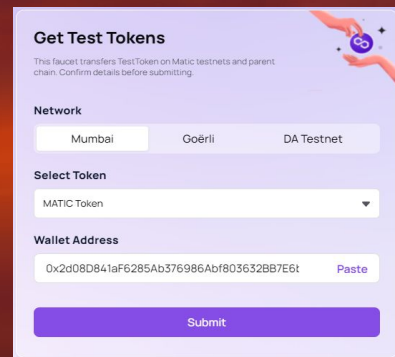
80001

Currency Symbol (Optional)

MATIC

Block Explorer URL (Optional)

<https://mumbai.polygonscan.com/>



Get Test Tokens

This faucet transfers TestToken on Matic testnets and parent chain. Confirm details before submitting.

Network

Mumbai Goerli DA Testnet

Select Token

MATIC Token

Wallet Address

0x2d08D841aF6285Ab376986Abf803632BB7E6t [Paste](#)

Submit

Please navigate to our webapp to mint
along with us

<https://www.cryptokaktos.com>

Hurdles & Hiccups

- Connecting the front end website to the Polygon Mumbai Test Network instead of Polygon Mainnet
- Getting the smart contract to operate correctly so that our webpage could accept a transaction from the MetaMask wallet extension
- Only the contract address owner could mint an NFT
- NFT metadata on unique features/traits were being displayed incorrectly on OpenSea testnet
- GitHub branches



Our Next Steps Ahead

- Redesign the NFT artwork with PFP in mind
- Rework the front end
- Increase functionality, security & gas efficiency to the smart contract
- Community building through Discord & Twitter
- Announce a launch day for the public mint
- Deploy our smart contract on the Polygon mainnet
- Project Roadmap for the Kaktos community



KAKT Questions?



Resources

GitHub Repo: <https://github.com/sallad4/CryptoKaktos>

Open source generative art repo by HashLips (<https://haslips.online>) :
https://github.com/HashLips/hashlips_art_engine

Web Application: www.cryptokaktos.com

