Cheesewheel.xyz

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Overview

Cheesewheel.xyz is where Web3 meets music, social tokens, and NFTs.

A launchpad for emerging artists to get discovered and build a community using Web3 tools, powered by the CWD governance token (CheesewheelDAO).

An intuitive user interface aggregating and enabling the use cases below:

Music:

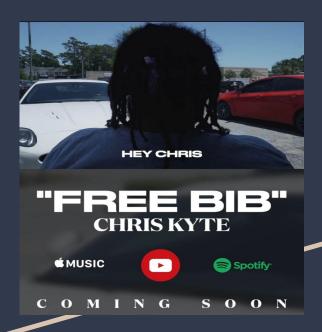
Stream artist music on Audius.

Social tokens:

Launch ERC-20 social tokens for artists.

NFTs:

- Launch "access" NFTs for artists.
- Sell artist merchandise in the form of NFTs.
- Physical delivery of items after NFT purchase.

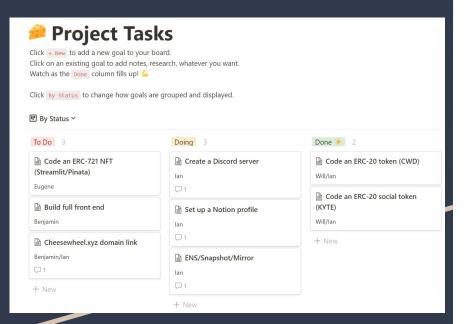


Onboard First Artist

- Name: Chris Kyte
- Location: Myrtle Beach, SC
- Sponsors:
 - Wise Dreamers (clothing)
 - The Private Shop (apparel, sneakers)
 - AwalWandering (jewelry)
- Label affiliations:
 - BackGood / 10k Projects / Dreamville
 - Trippie Redd
 - Internet Money
 - 6IX9INE
 - J.Cole
- Audius music:

https://audius.co/cheesewheelCWR/free-bibby-prod-by-king-kevin

Project Deliverables



Notion

@cheesewheelDAO and cheesewheel.xyz secured

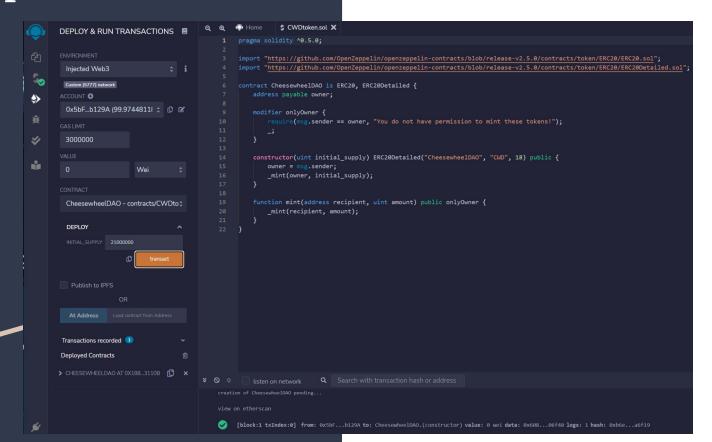
- Create the CheesewheelDAO in Discord.
- 2. Set up an ENS and Snapshot profile for member governance/voting.
- 3. Link a Mirror blog account for project updates.
- 4. Code an ERC-20 token (CWD) for platform governance.
- 5. Code an ERC-20 social token (KYTE) smart contract with crowdfunding functions for artist.
- 6. Code an ERC-721 NFT contract with the CheesewheelDAO logo to showcase on Streamlit.
- 7. Build a front-end dApp interface.

dApp Front End

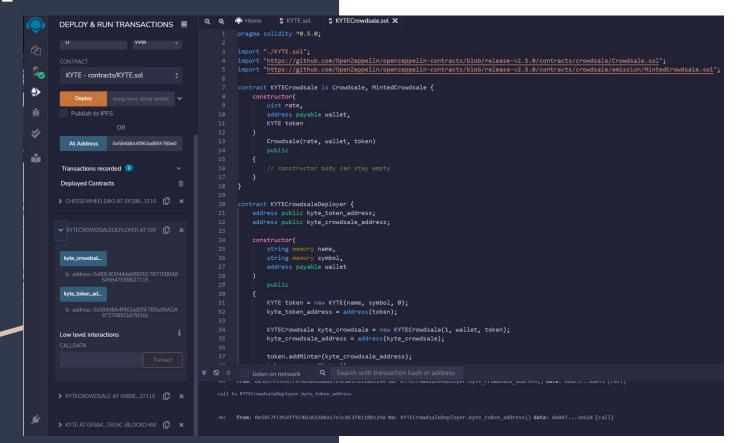
Front end website



CWD ERC-20 governance token contract



KYTE ERC-20 social token crowdfunding contract



- Artist ERC-721 NFT Contract
- Streamlit registry

```
pragma solidity ^0.5.0;
import "https://github.com/OpenZeppelin/openzeppelin-contracts/blob/release-v2.5.0/contracts/token/ERC721FBC721Full.sol";
contract KYTENFT is ERC721Full {
    constructor() public ERC721Full("cheesewheel", "KYTE") {}
    struct Artwork {
         string name;
         string artist;
        uint256 appraisalValue;
    mapping(uint256 => Artwork) public artCollection;
    event Appraisal(uint256 tokenId, uint256 appraisalValue, string reportURI);
     function registerArtwork(
         address owner, string memory name,
                                                 string memory artist,
                                                                              uint256 initialAppraisalValue,
                                                                                                                    string memory tokenURI
        public returns (uint256) {
        uint256 tokenId = totalSupply();
         mint(owner, tokenId);
         _setTokenURI(tokenId, tokenURI);
         artCollection[tokenId] = Artwork(name, artist, initialAppraisalValue);
         return tokenId;
     function newAppraisal(
         uint256 tokenId,
        uint256 newAppraisalValue,
         string memory reportURI
     ) public returns (uint256) {
         artCollection[tokenId].appraisalValue = newAppraisalValue;
         emit Appraisal(tokenId, newAppraisalValue, reportURI);
```

- Artist ERC-721 NFT Contract
- Streamlit registry

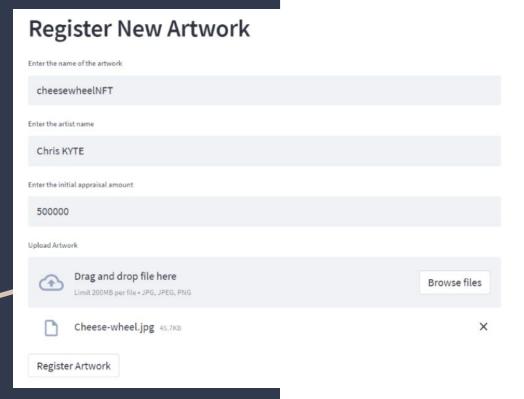
Cheesewheel DAO Registry System

Choose an account to get started

Select Account

0x4E22947c217463a60125399ec56abAde25fF86e2

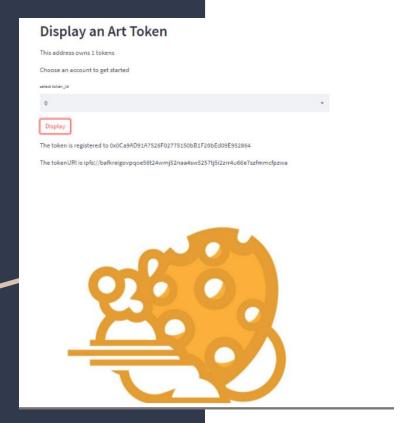
- Artist ERC-721 NFT Contract
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- Artist ERC-721 NFT Contract
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```
Transaction receipt mined:
   "transactfonHash": "HexBytes('8x3f77efc2f8e2bc9831d9bca668928c7c6d59c77e2b232c1d4326edd83718e84f')"
   "transactionIndex": 8
   "blockHash": "HexBytes('6xaa445f7f486fb781be44ad4853ef4172c865665722146fb58644c25b98e898bf')"
   "blockHumber" : 26
   "from" : "0x0Ca0AD01A7526F02775150h81F20hEd09E952864"
   "to" : "0x547A085671cF416C854C1E432e2FF8Ac074fe85c"
   "gasUsed" : 263586
   "cumulativeGasUsed": 263586
   "contractAddress" : WILL
   " "logs" : [
     0 :
      "AttributeDict({'logIndex': 0, 'transactionIndex': 0, 'transactionHash':
      HexBytes('6x3f77efc2f8e2bc993id9bca968929c7c6d59c77e2b232c1d4325edd83718e94f'), 'blockHash':
     HexBytes['0xaa445f7f408fb701be44ad4853ef4172c865665722146fb58844c25b98e898bf'), 'blockMumber';
      26, 'address': '0x547A885671cF416C054C1E432e2FF0AeDT4fe85c', 'data': '0x', 'topics':
      [Hes8ytes('0xddf252adlbe2c80b69c2b868fc378daa652ba7f183c4a11828f55a4df523b3ef'),
      HexBytes('6x80080080080080080080080080048ad91a7520f92775158bb1f20bed89e952864'),
      'mined'5)"
   "status" : I
   "logsBloom" :
You can view the pinned metadata file with the following IPFS Gateway Link
Artwork IPFS Gateway Link
```

- Artist ERC-721 NFT Contract
- Streamlit registry



Questions?