




BLOCKCHAIN HACKATHON

NFT AUTHENTICATION



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PROCEDURE:

1

Minting and
transfer of NFTs.

2

Validation of
requesting user.

3

Playing video if
user is authentic.

OUR APPROACH





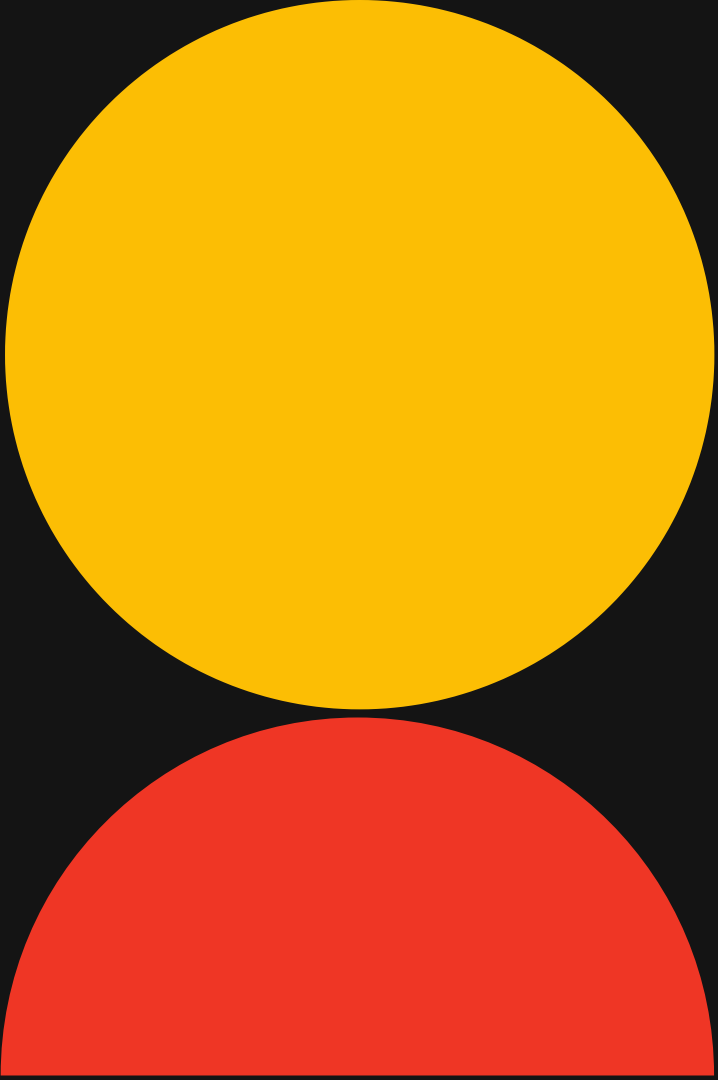
Validation of user Wallet

- Using etherscan APIs to fetch transaction info.

Get a list of 'ERC20 - Token Transfer Events' by Address

Returns the list of ERC-20 tokens transferred by an address, with optional filtering by token contract.

```
1 https://api.etherscan.io/api
2   ?module=account
3   &action=tokenTx
4   &contractaddress=0x9f8f72aa9304c8b593d555f12ef6589cc3a579a2
5   &address=0x4e83362442b8d1bec281594cea3050c8eb01311c
6   &page=1
7   &offset=100
8   &startblock=0
9   &endblock=27025780
10  &sort=asc
11  &apikey=YourApiKeyToken
```



Get ERC20-Token Account Balance for TokenContractAddress

Returns the current balance of an ERC-20 token of an address.

```
1 https://api.etherscan.io/api
2   ?module=account
3   &action=tokenbalance
4   &contractaddress=0x57d90b64a1a57749b0f932f1a3395792e12e7055
5   &address=0xe04f27eb70e025b78871a2ad7eabe85e61212761
6   &tag=latest&apikey=YourApiKeyToken
```

Query Parameters

Parameter	Description
contractaddress	the <code>contract address</code> of the ERC-20 token
address	the <code>string</code> representing the address to check for token balance

Sample Response

```
1 {
2   "status":"1",
3   "message":"OK",
4   "result":"135499"
5 }
```

Minting and Transfer of NFT

- A dedicated 'dealer' wallet to mint and transfer NFTs.
- Stores contract address of all NFT transactions.
- Thus, using both APIs any user can be validated.

Video Display

- A validation page to verify the user.
- Displays video if user holds any of the NFTs.



THANK YOU