Todd Gavin

1. Topic: discuss what your website is about in 1-2 sentences.

This website is a blockchain explorer for NFTs in wallets on the Ethereum mainnet. This website allows the user to enter an Ethereum wallet address and retrieve all of the Ethereum NFTs (metadata) in that specific wallet.

2. Audience: In 1-2 sentences, describe who the intended audience is for this application.

The audience is crypto and NFT enthusiasts who want to see what NFTs themselves or other people are holding in their crypto wallets.

3. Design & Style:

The main colors of the website are red, blue, and purple (with blue being the primary color). These colors represent an elusive area, somewhat like space and crypto is at the current moment to the rest of the world. Three websites that inspire this design are as follows:

- https://dribbble.com/shots/13972494-Log-In-Sign-Up-Retrowave
- https://opensea.io
- https://nftbank.ai/explorer

4. Scope:

Page Structure:
1. Home Page w/ Search and Navigation
   a. Navigation Bar
      i. Home Page
      ii. View Saved NFTs
   b. Search Form
      i. Enter Crypto Wallet Address
   c. View queried NFTs along with respective metadata (similar to the Movie API Assignment)
      i. Save Button for every NFT
2. Saved NFTs Page
   a. View saved NFTs (similar to the Movie API/DVD Database Assignment)
3. Create NFT Form Page
   a. A from to provide an image file and metadata to "create" and NFT.

4. Create Confirmation Page: Created and Added an NFT to Saved NFTs List and, therefore, NFT SQL Database
5. Save Confirmation Page: Added to Saved NFTs List and, therefore, NFT SQL Database
6. Edit Confirmation Page: Edited NFT in Saved NFTs List and, therefore, NFT SQL Database
7. Delete Confirmation Page: Deleted NFT from Saved NFTs List and, therefore, NFT SQL Database

CRUD Functionality:
- *READ*: Read Individual NFT Metadate Viewing Page
- *CREATE*: Add NFT with Metadata
- *UPDATE*: Edit Nickname and Description to NFT Metadata
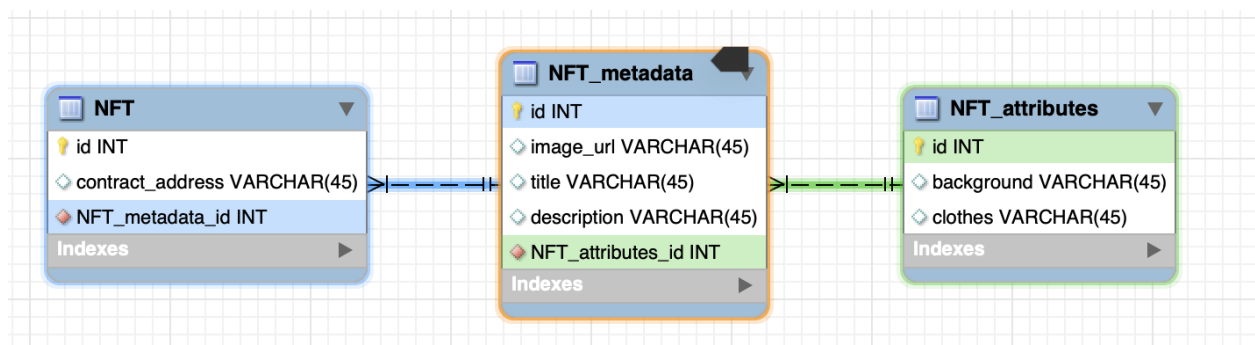- *DELETE*: Delete Nickname and Description to NFT Metadata

5. Database:

- NFT Image
- NFT Title
- NFT Contract Address
- NFT Description
- NFT Attributes
  - Background
  - Clothes
  - DNA

The data is coming from Alchmey's NFT API that retrieves all of the NFTs (and their metadata) for a specific wallet address from the blockchain as a JSON string.
https://docs.alchemy.com/alchemy/enhanced-apis/nft-api

6. Database Diagram:

7. Wireframes (minimum of 4 wireframes total):

Ethereum Blockchain NFT Explorer

Enter wallet address here

Search

Showing 32 NFTs

0xFGH789hbdbx783...

TOONZ #5844

8888 degenerate TOONZ that double as a membership to an exclusive metaverse community with the power to build it from the ground up.

Background: Purple
Clothes: Tracksuit

Save NFT

0xFGH789hbdbx783...

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Un-Save NFT

Edit NFT

Ethereum Blockchain NFT Explorer

Enter wallet address here

Search

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Save NFT

17 Saved NFTs

0xFGH789hbdbx783...

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