Lyrify

GitHub: [Lyrify](#)

What is Lyrify

Lyrify gives songwriters the option to permanently store their lyrics in the Ethereum blockchain, providing proof of ownership. By storing in the blockchain, the song lyrics are time stamped which would provide a means to prove ownership in a court of law.

Tech Stack

- Metamask
- Web3js
- Solidity
- Truffle
- Open Zeppelin

Local Installation

1. Clone the repository using git clone https://github.com/sayak119/Lyrify.git OR unzip the uploaded source code.
2. Go to the directory by executing the command cd Lyrify
3. Run npm install (might need sudo) [use this command when node_modules are not present]

4. Run npm install -g ethereumjs-testrpc and npm install -g truffle (might need sudo)
5. Run testrpc and then open a new terminal window.
6. Run truffle compile and then truffle migrate --reset in new terminal window.
7. Run npm run dev
8. You will be directed to localhost:3000

## Installing Metamask

1. Visit Metamask.io
2. Download the extension (Tested for chrome)
3. Instead of Logging in go to Restore from seed phrase.
4. Now in the output of testrpc command under HD Wallet there are 12 words mnemonic. Copy that and paste it in Wallet Seed box and enter a password.
5. A new account will be formed. Now in the top left, there is a drop down. Select localhost 8545.

Enter the lyrics and make a transaction and obtain id and hash.
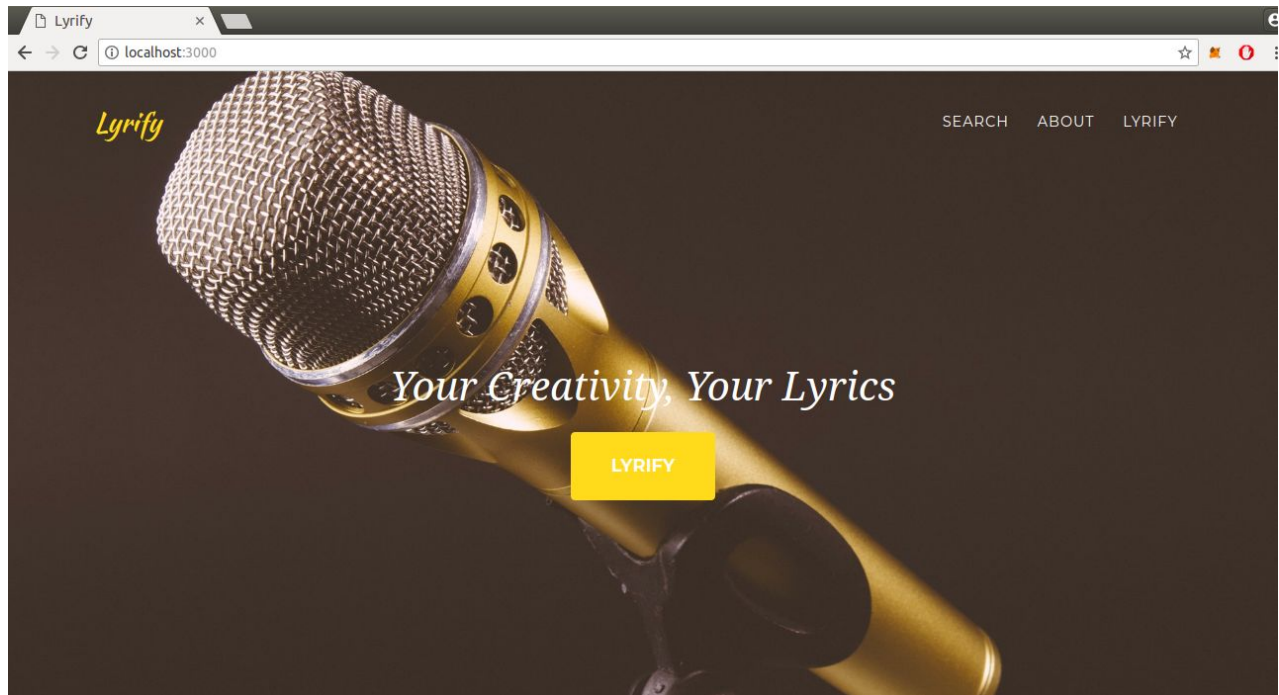
Lyrify Homepage
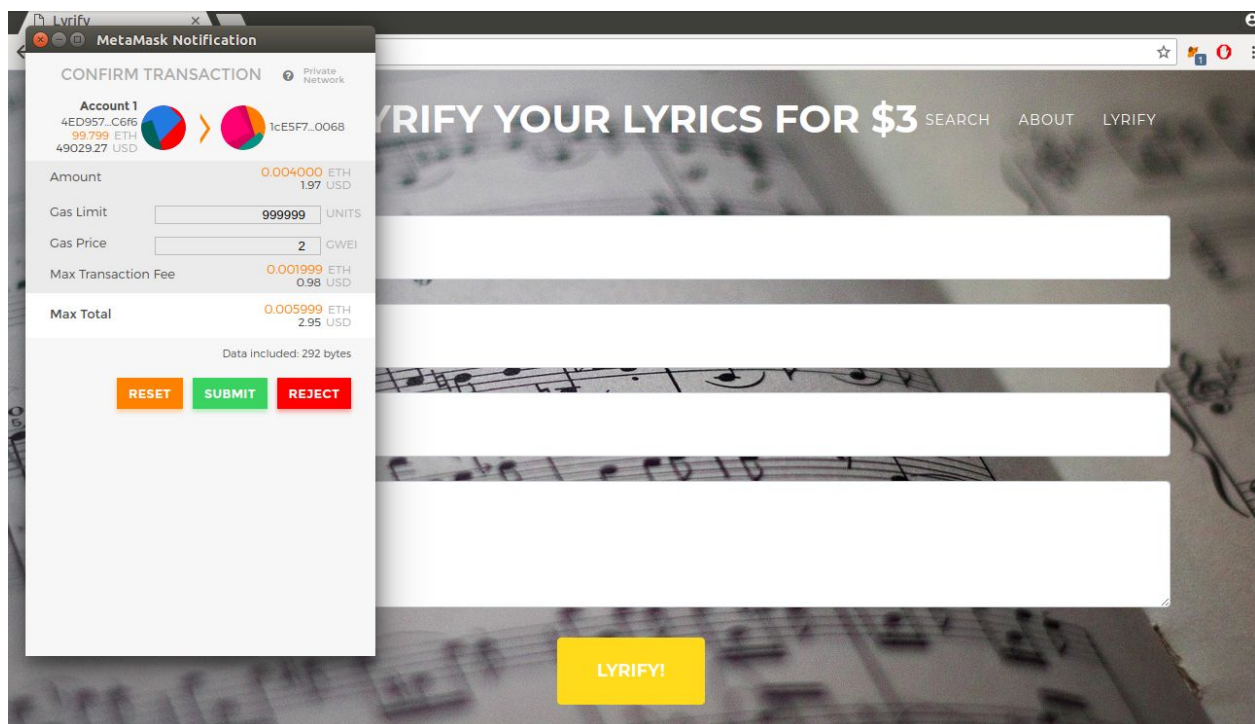
Transaction using Metamask

Enter Songwriter's name, Song title and the Lyrics
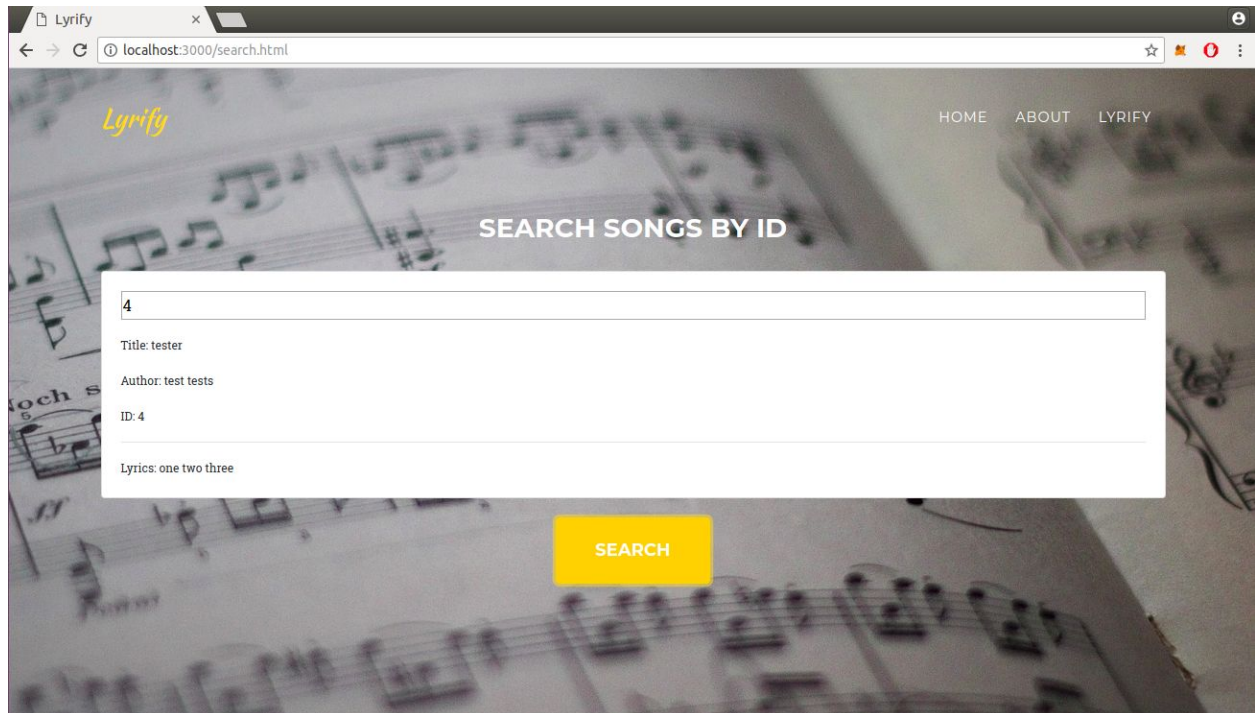
Future work

I want to add search using song name and artist name and to list songs by a certain songwriter. Also if possible, to incorporate machine learning to find similarity between lyrics by associating feelings with words.