

# 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

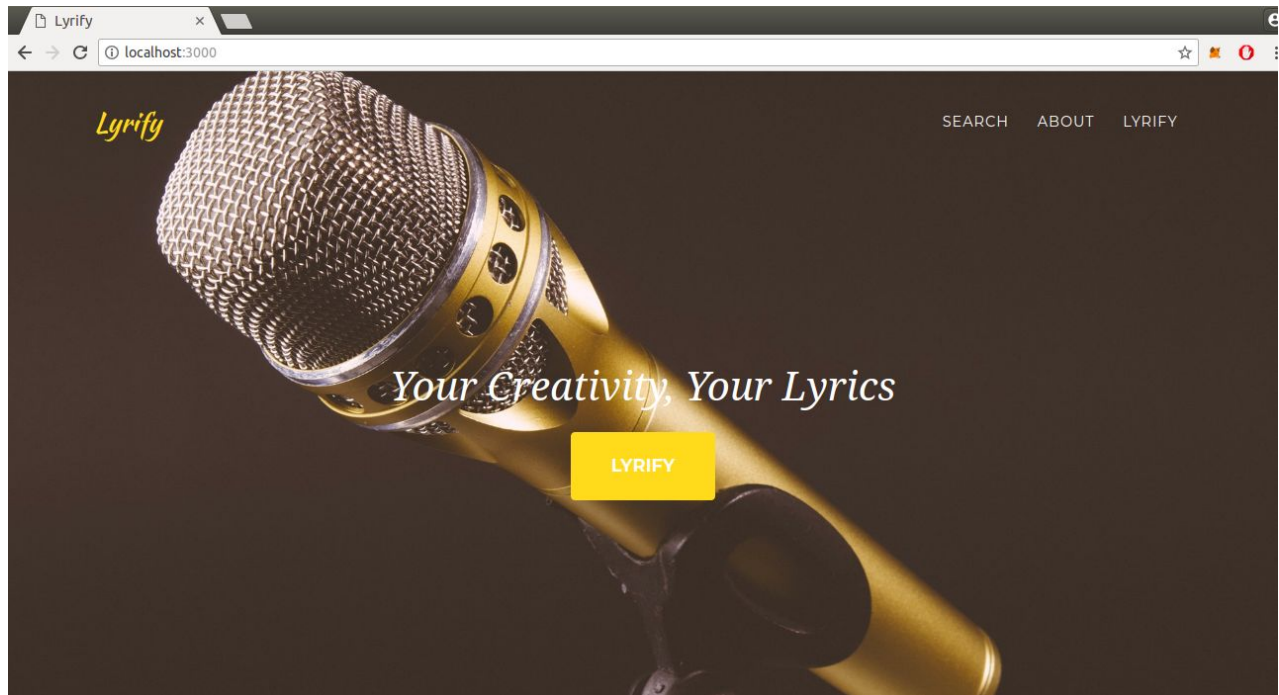
1. Clone the repository using git clone `https://github.com/sayak119/Lyrify.git` OR unzip the uploaded source code.
2. Go to the directory by executing the command `cd Lyrify`
3. Run `npm install` (might need sudo) [use this command when node\_modules are not present]

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`

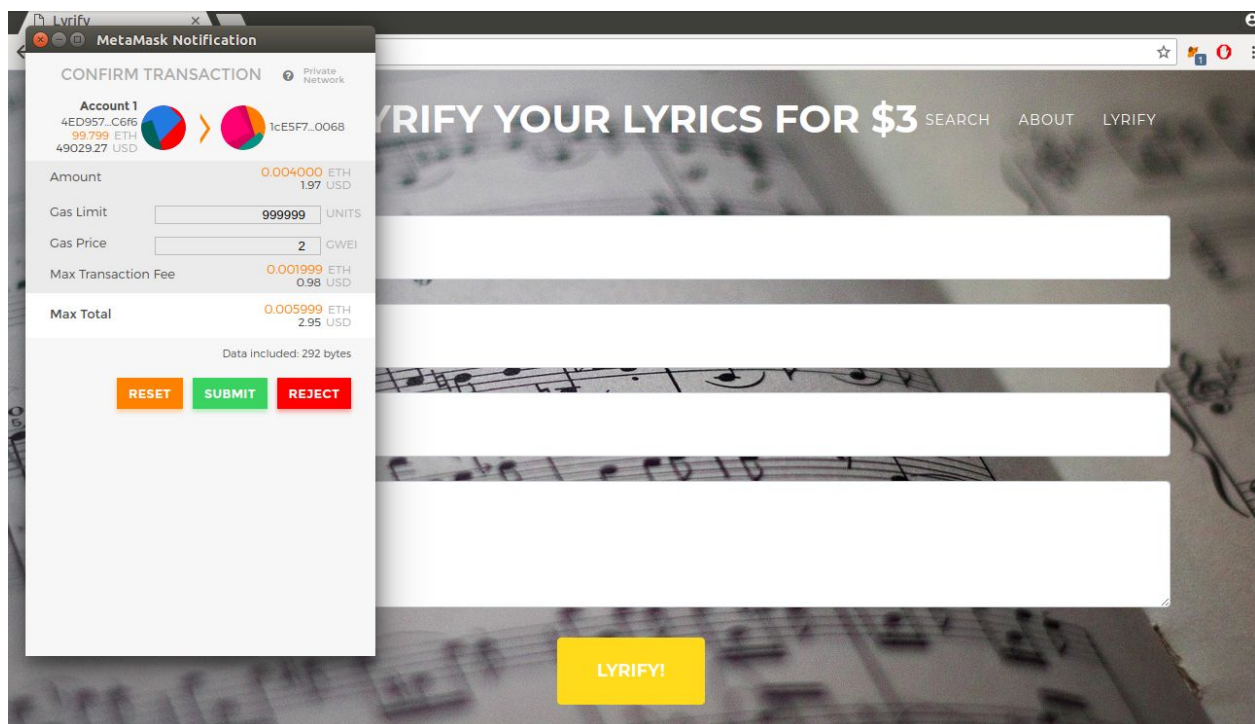
## **Installing Metamask**

1. Visit [Metamask.io](https://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

Lyrify x

localhost:3000

Lyrify

SEARCH ABOUT LYRIFY

# LYRIFY YOUR LYRICS FOR \$3

First\*

Last\*

Song Title\*

Lyrics\*

REGISTER

Enter Songwriter's name, Song title and the Lyrics

Lyrify x

localhost:3000/success.html

Lyrify

HOME SEARCH

## CONGRATULATIONS!

You have successfully registered your lyrics on the blockchain

**Your registered lyrics:**

Title: tester

Author: test tests

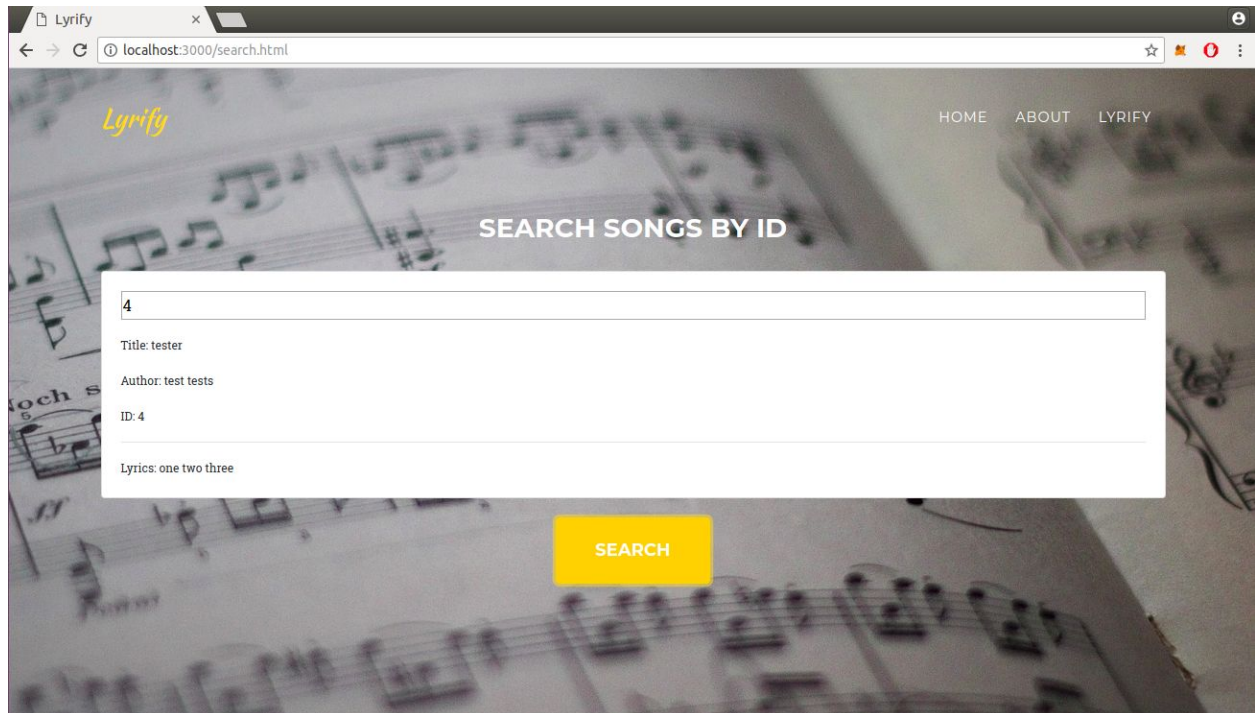
ID: 4

Hash: 0xcc706058100a724e56d51fbc7aa0ec85e1607d5c6b7c52bce089b83460082eb0

Lyrics: one two three

BACK HOME

## Successful saving of lyrics



Search by id

## 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.