



Documentation
Free TON NFT marketplace

1. About

This document represents RSquad's submission for the Free TON NFT marketplace contest.

In order to become a user of the marketplace, you need to go through the standard registration procedure. In the near future, the possibility of login via extension will be implemented.

After registration, a user who has a SafeMultisigWallet wallet (in the future, other popular types of wallets will also be supported) can create their own collection of Nft.

Initially, the data is sent to the server to check the content for compliance with the law. Further, through the admin panel, the ability to publish data to the blockchain is confirmed. When creating a new collection, a fairly large number of crystals are required, because several contracts are deployed. Creating an Nft within a collection uses fewer resources.

At the moment, when the content is approved, a link is created in IPFS. It is this link that gets into the blockchain. This mechanism is key in addition to the blockchain itself, since allows you to store content in a distributed manner. Storing data on the server is more of a necessity for fast display of Nft, while IPFS is a guarantee against data loss.

The main page displays only the data that is embedded in the blockchain, but the creator has the opportunity to see it in his personal account.

The code of the developed Free TON NFT marketplace can be found at the following link:

<https://fungle.space/>

<https://github.com/RSquad/marketplace>

1.1. Contacts

To receive a login/password from the admin panel, judges can contact personally telegram: [@PolyakovAlexei](#), [@inyellowbus](#)

2. Glossary

- NFT (non-fungible token) is a token containing unique information.
- TIP (TON Improve Proposals) is a proposal of key concepts of technological solutions to improve the work of Free TON.
- TIP-3 describes the token interfaces standard. Standard interfaces are designed for creating interchangeable or non-interchangeable tokens in Free TON smart contracts, as well as for use in monetary systems.

3. Overview

The implementation of the System requirements from the conditions of the contest is described in the table below:

Features

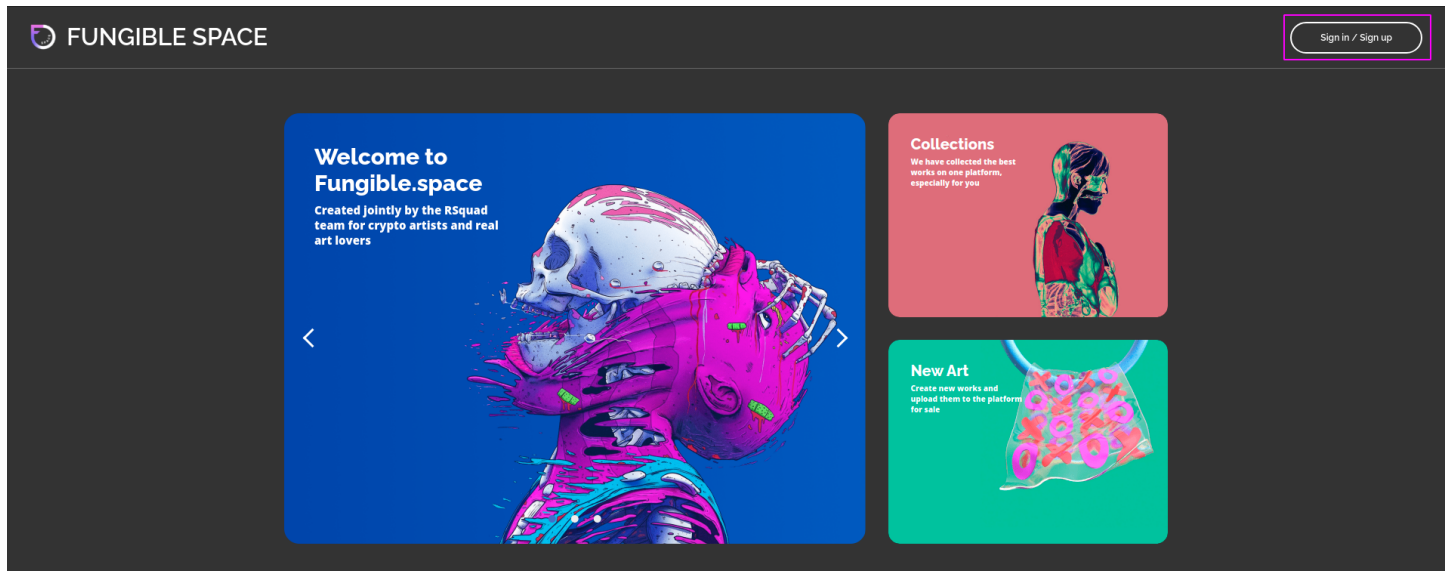
Feature	Status	Comment
creation of NFTs (1 of 1) based on TIP-31 standart(s)	Fully supported	
catalogue of available NFTs	Fully supported	
user profile (created NFTs, history of transactions etc)	Partially supported	history of transactions etc (temporary not supported)
admin panel	Fully supported	Approving collections/ntfs
buy/sell mechanics (fix price)	Fully supported	
auction mechanics	Temporary not supported	
digital assets dump storage	Temporary not supported	

4. Marketplace use cases

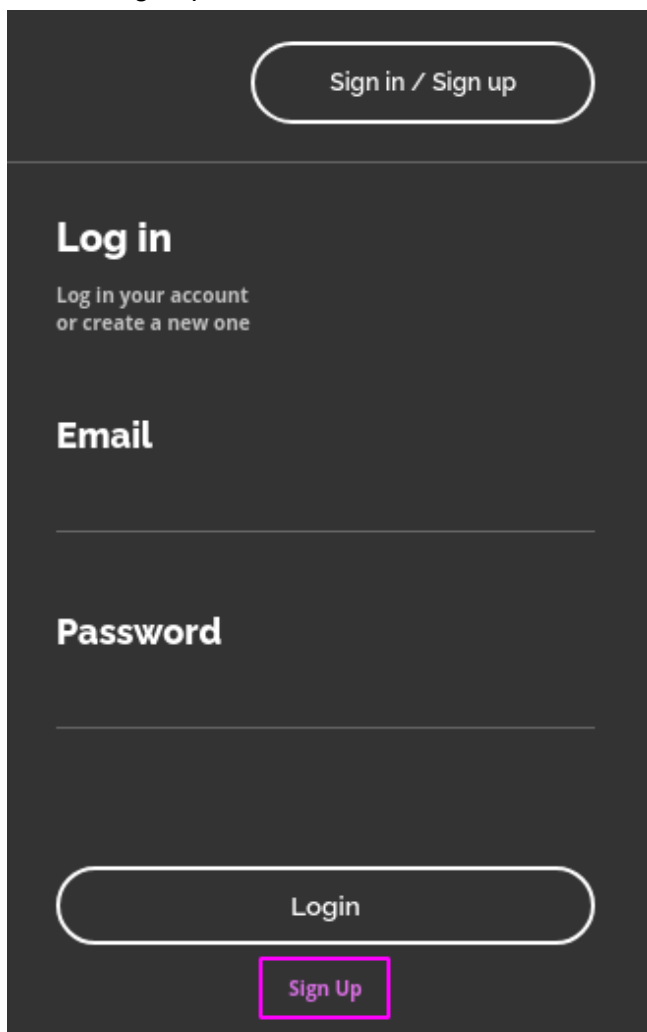
4.1. Registration

4.1.1 Sign up

1. Click Sign in/Sign up



2. Click Sign up

A screenshot of the login and registration form on the Fungible Space website. The form is set against a dark background. At the top, there is a 'Sign in / Sign up' button. Below it, the 'Log in' section includes the text 'Log in your account or create a new one'. The 'Email' field is a simple text input. The 'Password' field is also a text input. At the bottom of the form, there is a 'Login' button and a 'Sign Up' button. The 'Sign Up' button is highlighted with a red rectangular box.

3. Enter User name, Email, Password, Repeat password

4. Click Sign up

[Sign in / Sign up](#)

Sign up

Create a new account to buy and sell artwork on the platform.

User name
test

Email
test@mail.ru

Password
.....

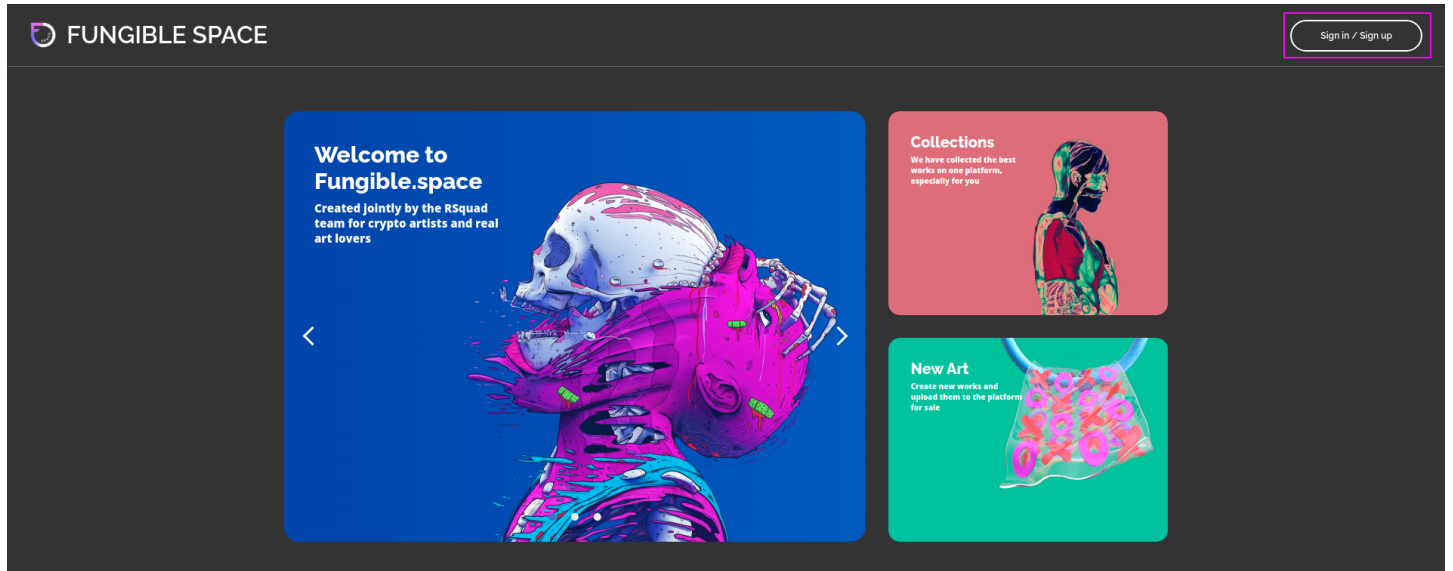
Repeat password
.....

[Sign up](#)

[Sign in](#)

4.1.2 Sign in

1. Click Sign in/Sign up



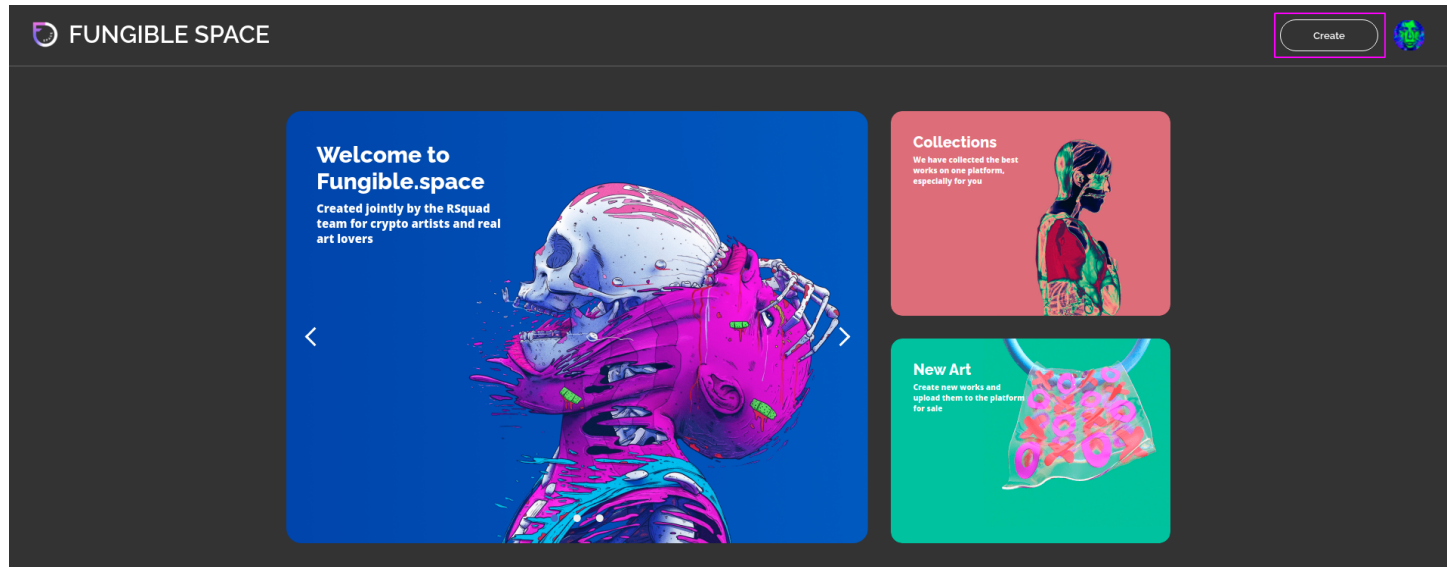
2. Enter Email, Password

3. Click Login

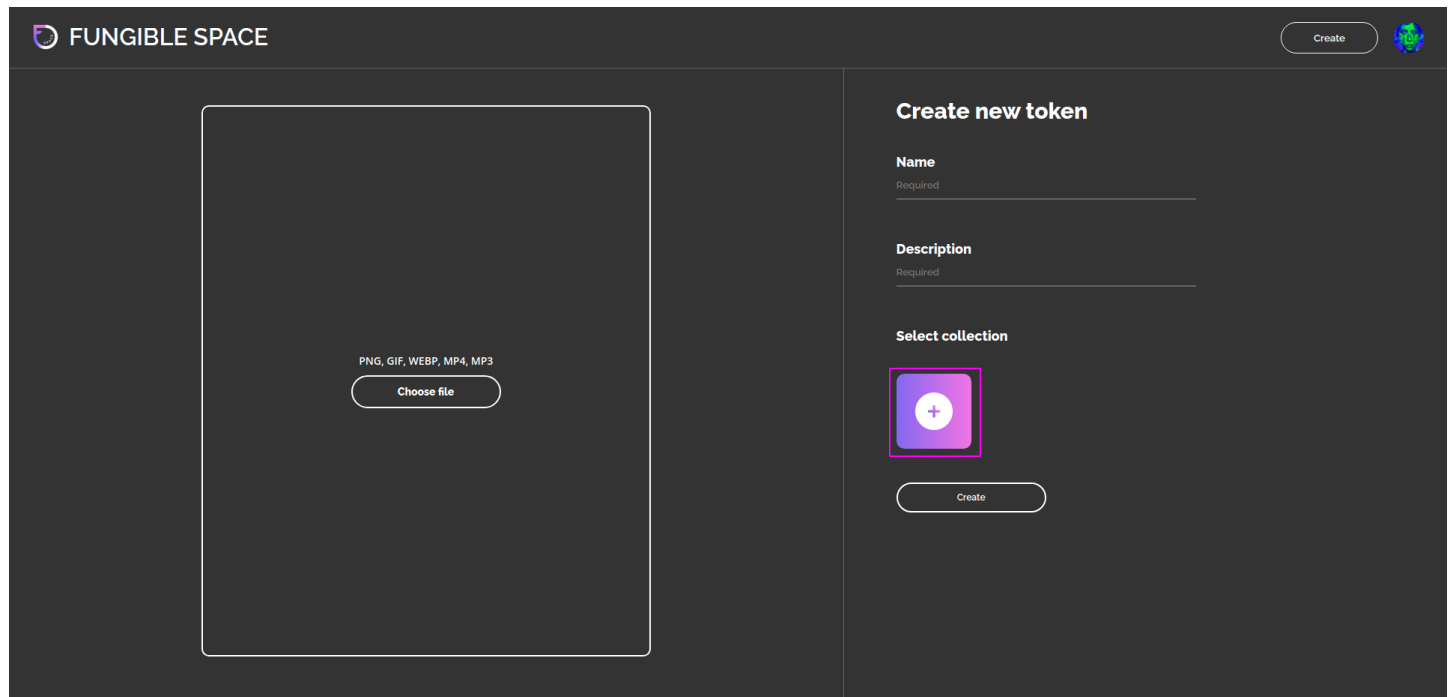
The screenshot shows the login form on the Fungible Space website. At the top, there is a 'Sign in / Sign up' button. Below it, the heading 'Log in' is followed by the text 'Log in your account or create a new one'. The form includes an 'Email' field with the placeholder text 'test@mail.ru' and a 'Password' field with a masked password '*****'. At the bottom of the form, there is a 'Login' button highlighted with a red rectangle, and a 'Sign Up' link below it.

4.2 Creating Collection and NFT

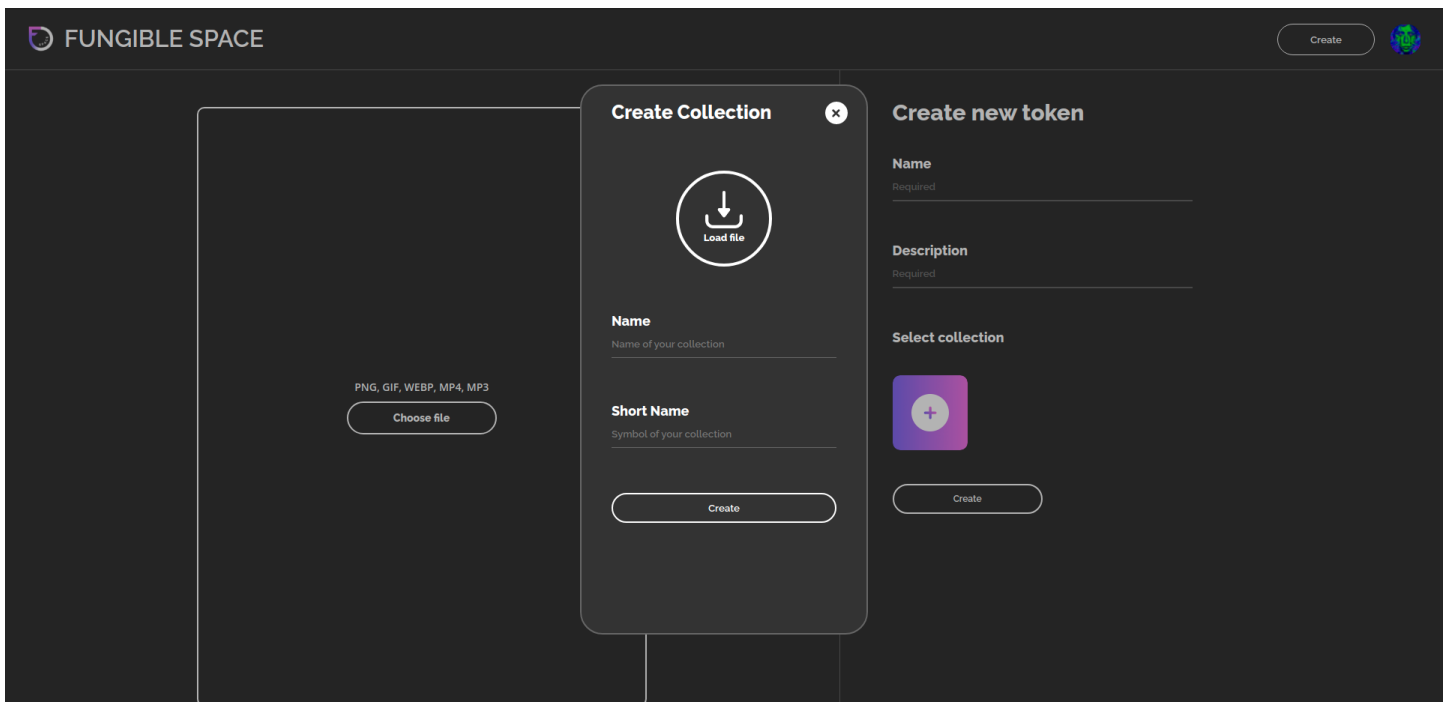
1. Sign in
2. Click Create



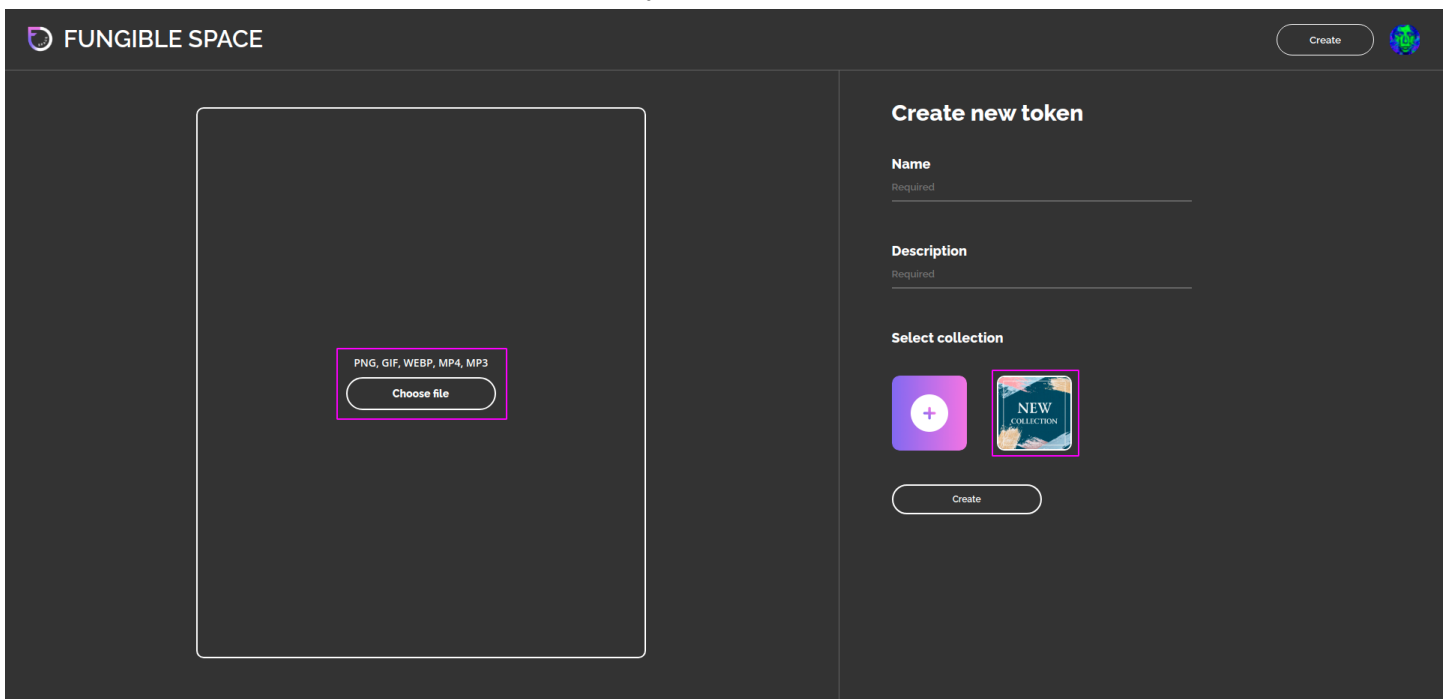
3. Click "Add collection" icon

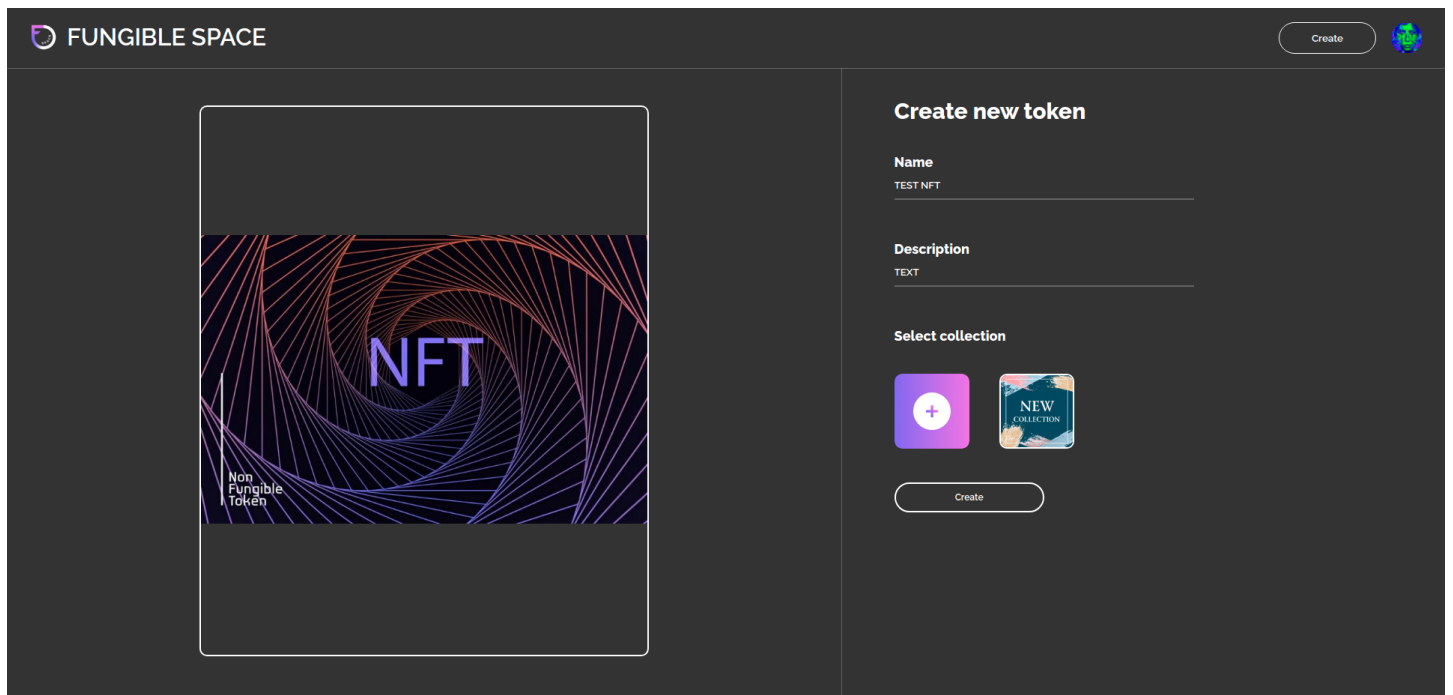


4. Enter Name, Short Name and load collection icon



5. Click Create
6. Select collection
7. Enter Name, Description (optional) and upload your media content

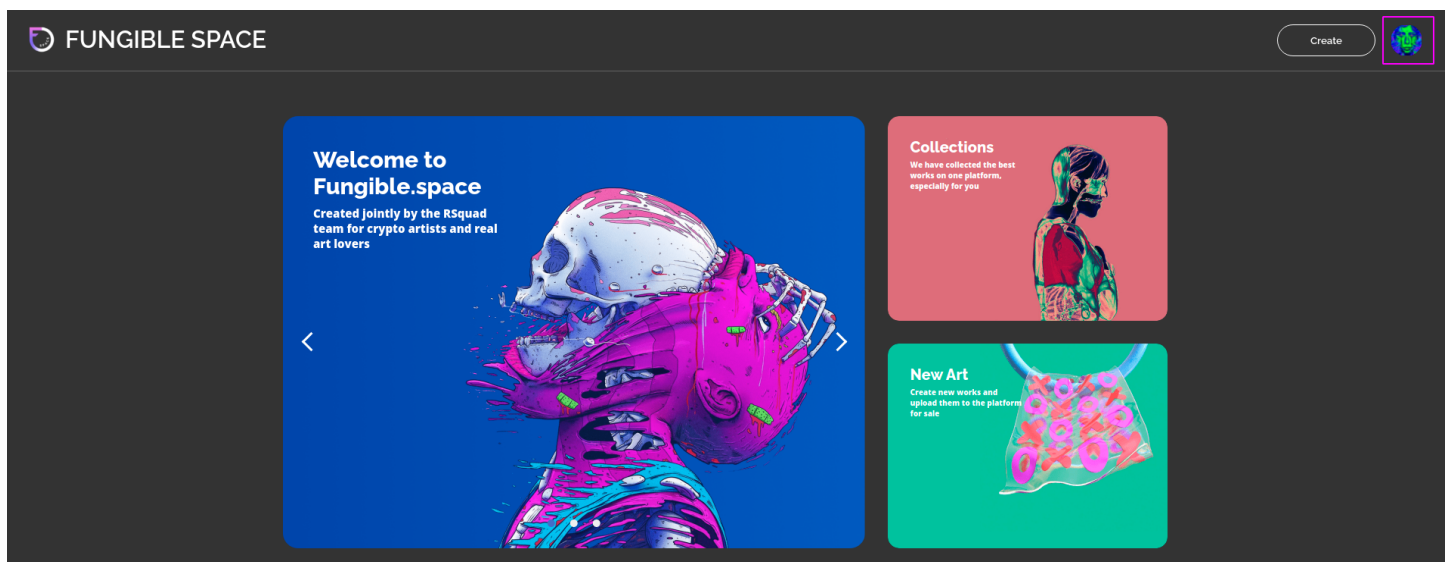




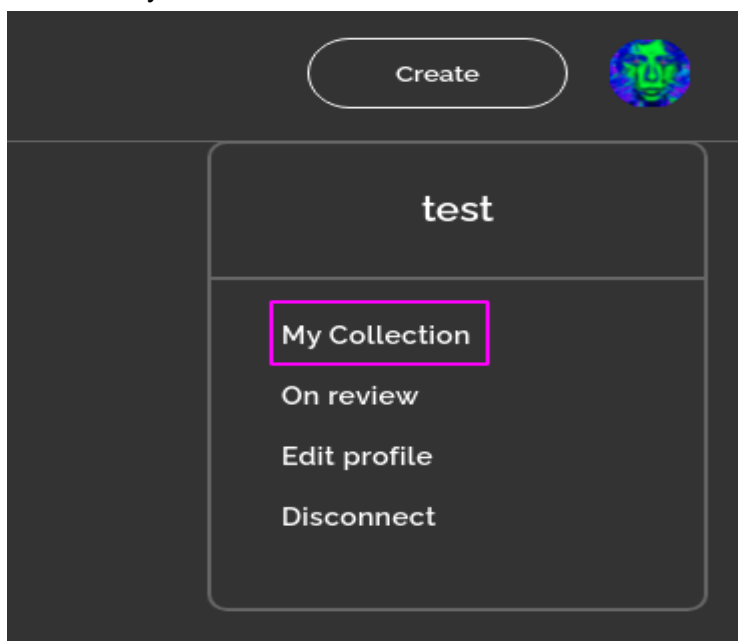
8. Click Create

9. Awaiting approve content

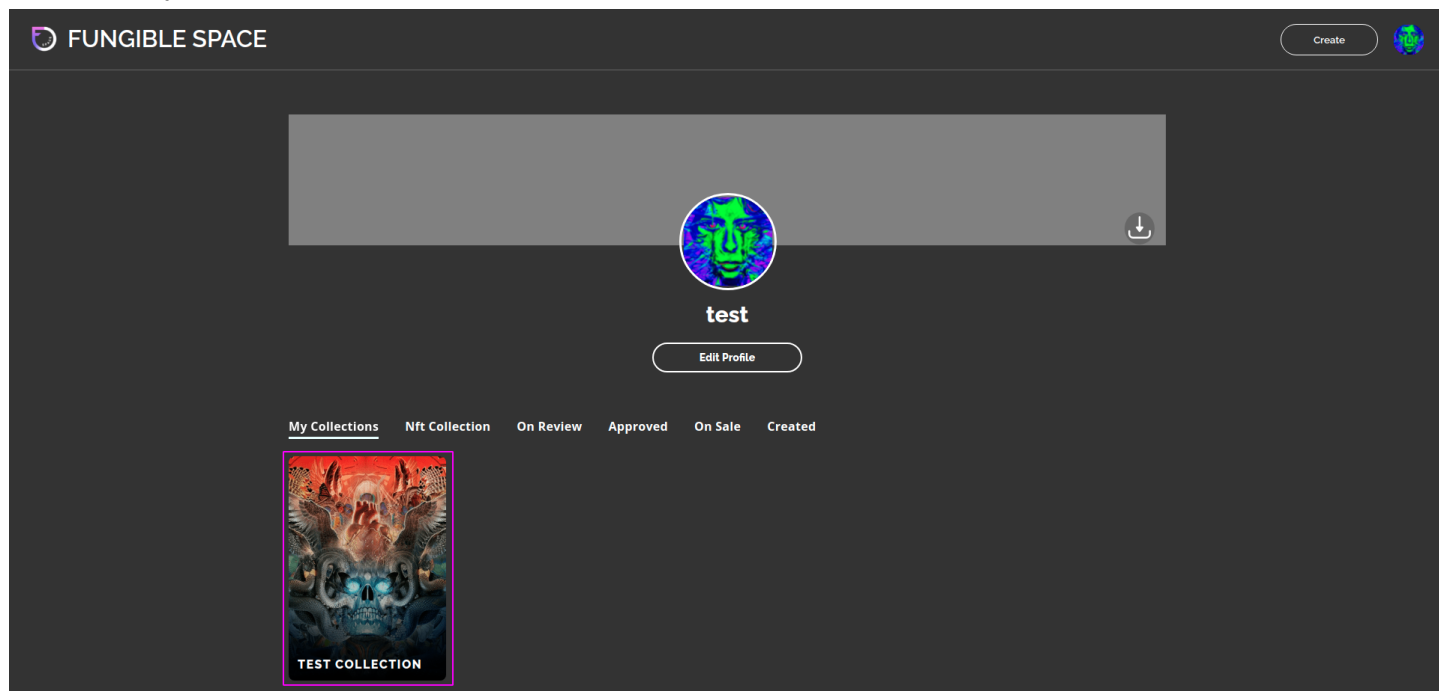
10. Click Profile icon



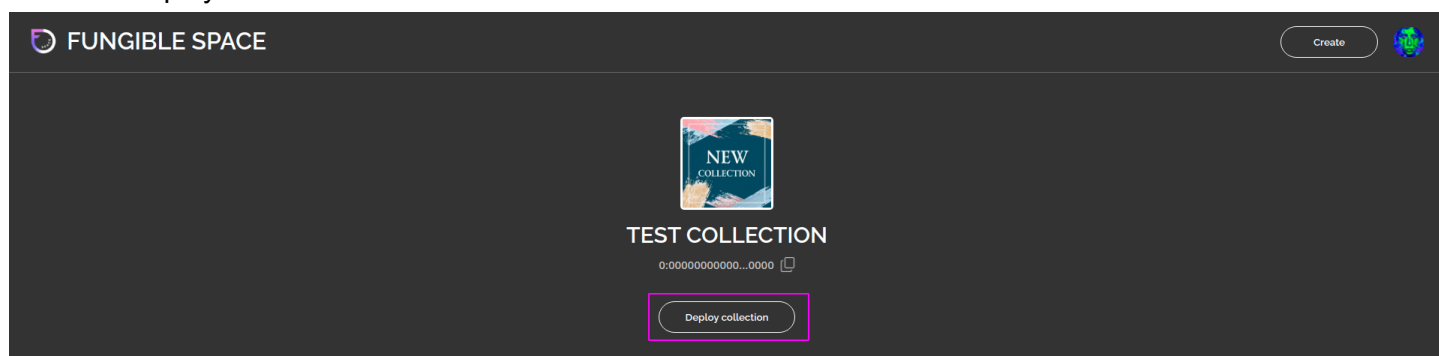
11. Click My Collection



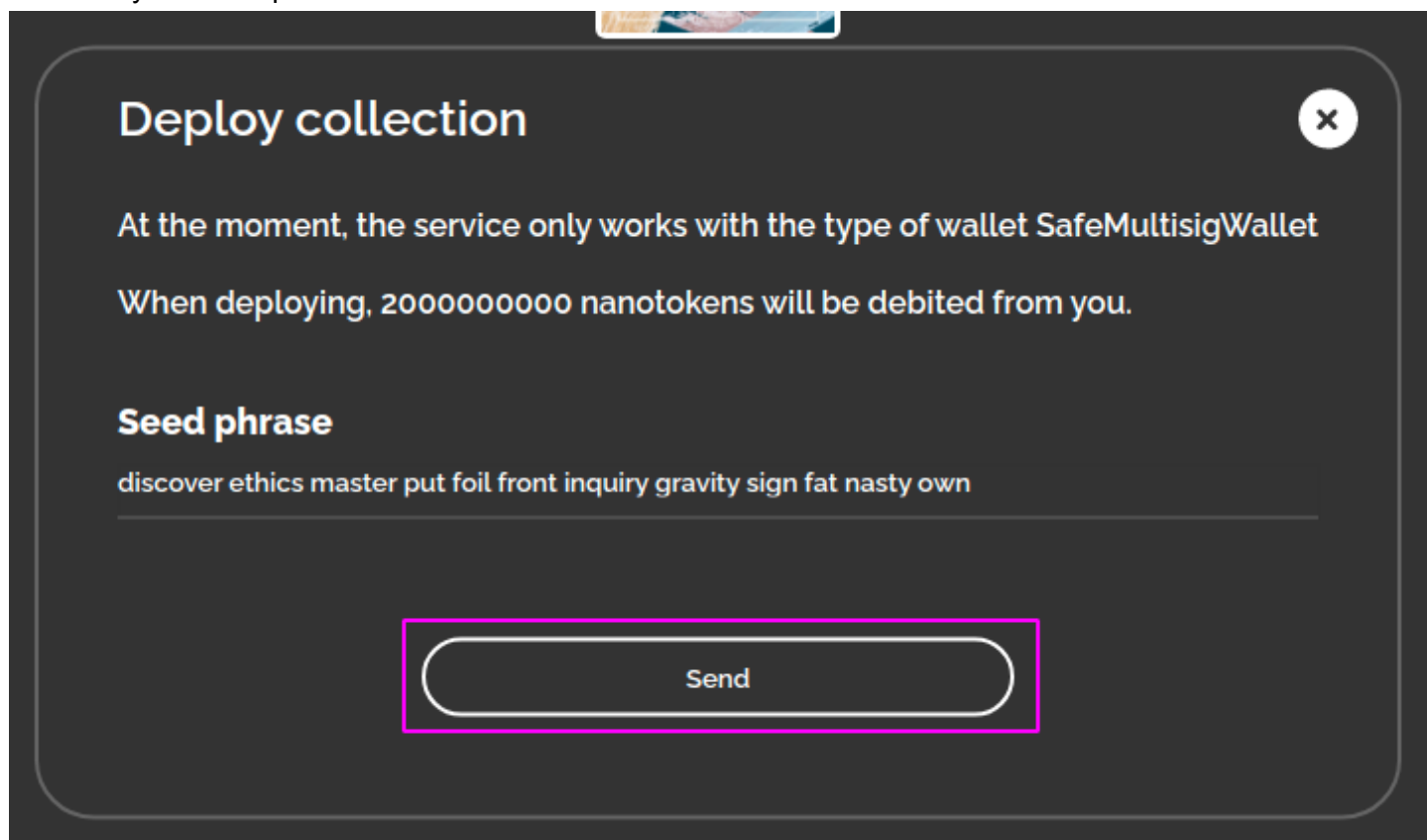
12. Choose your collection



13. Click Deploy collection

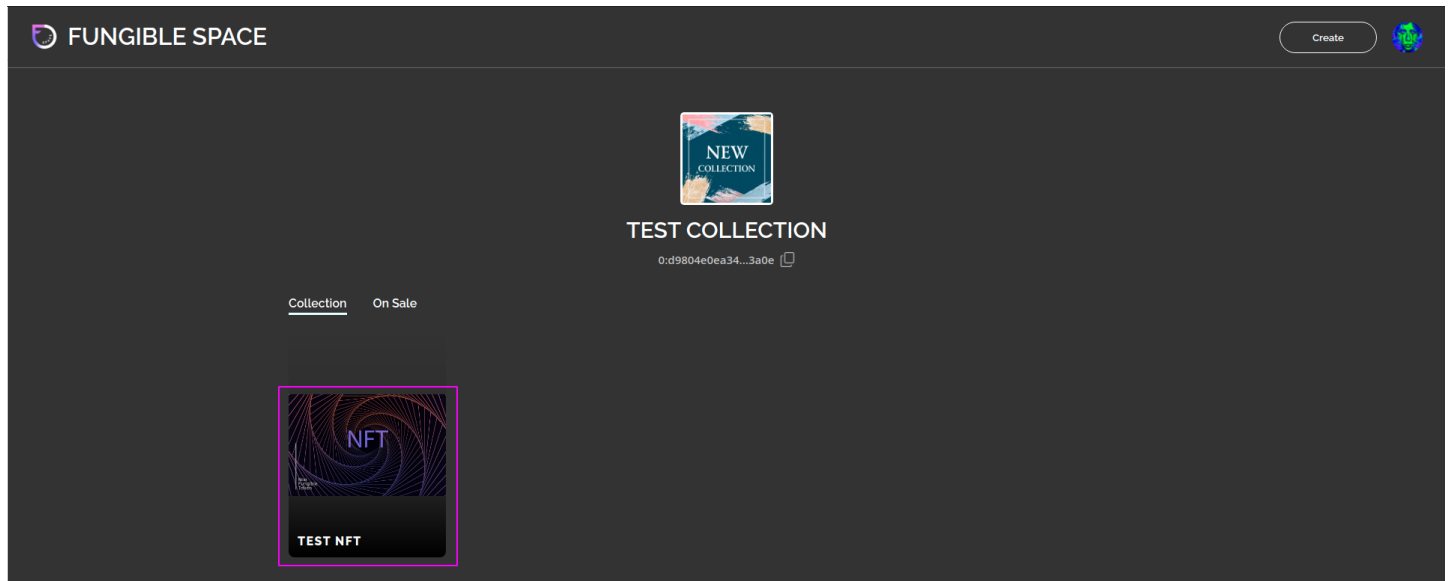


14. Enter your Seed phrase

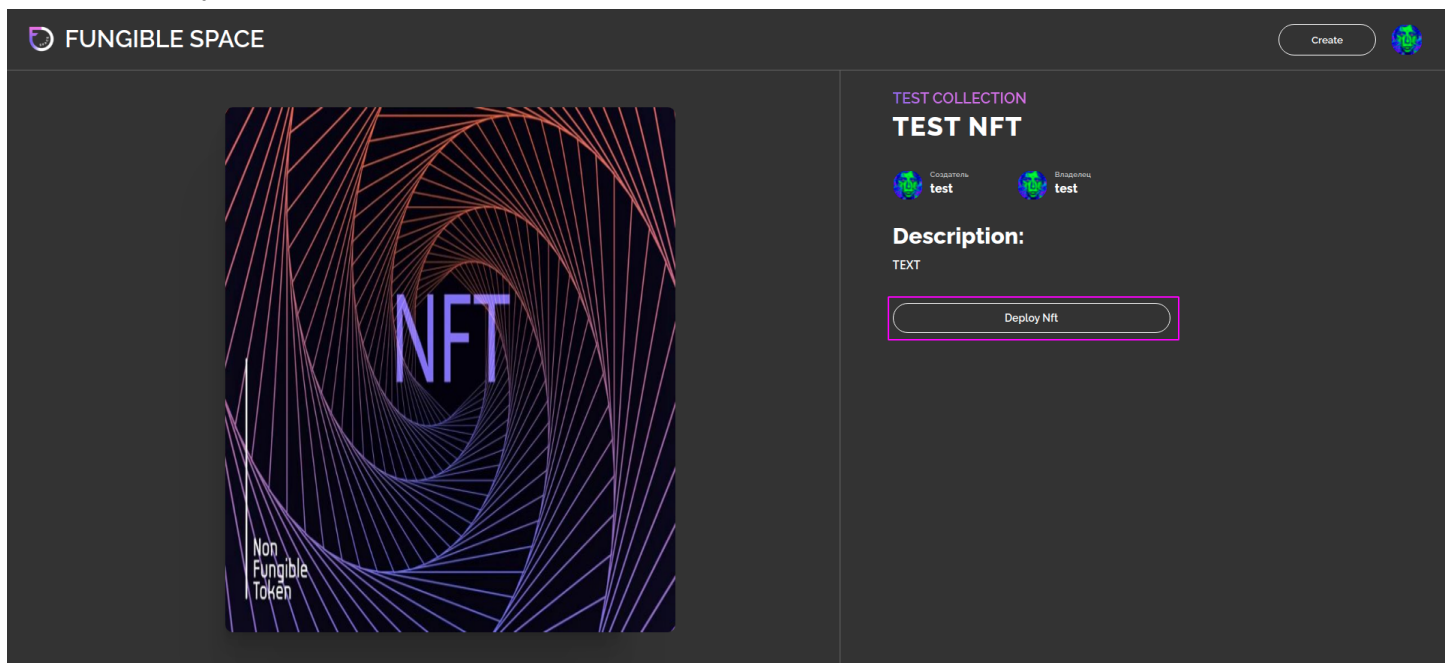


15. Awaiting deploying

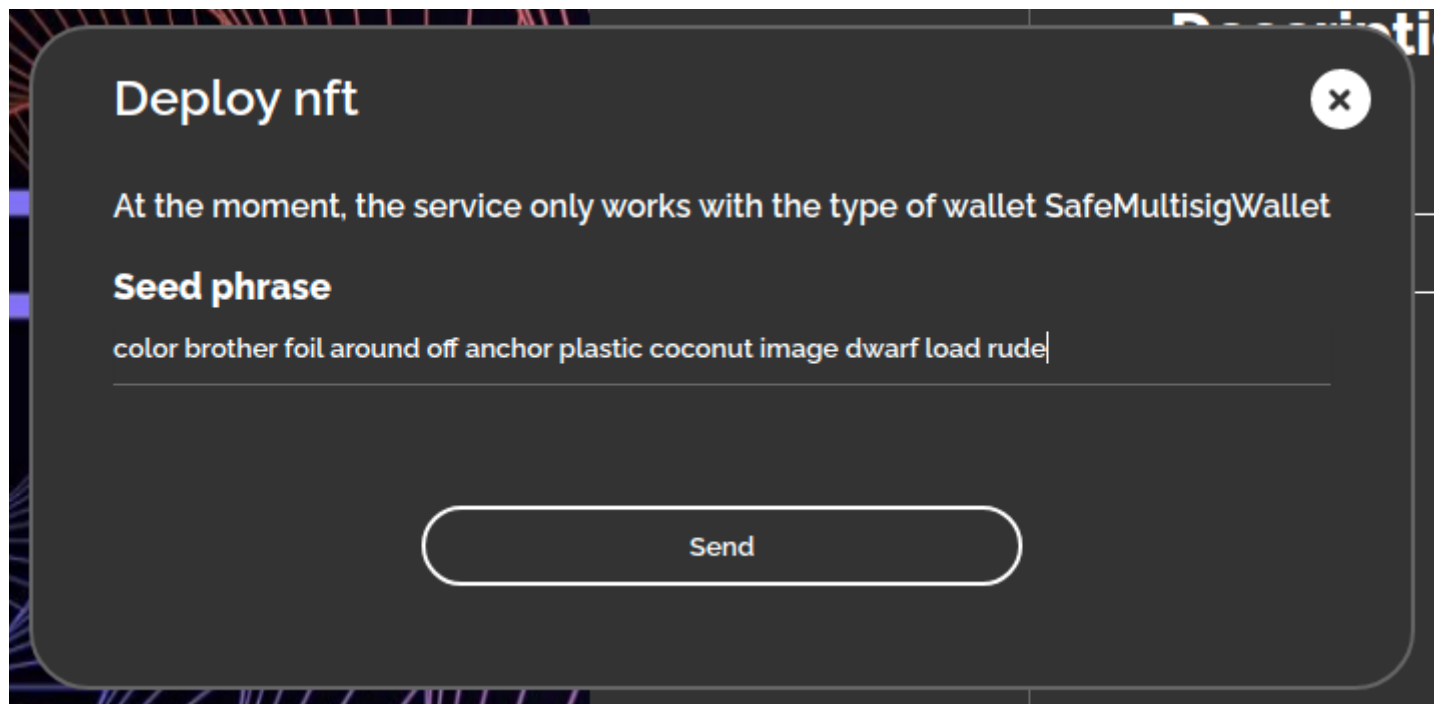
16. Reload the page if the collection status is not updated immediately
17. Choose NFT token



18. Click Deploy

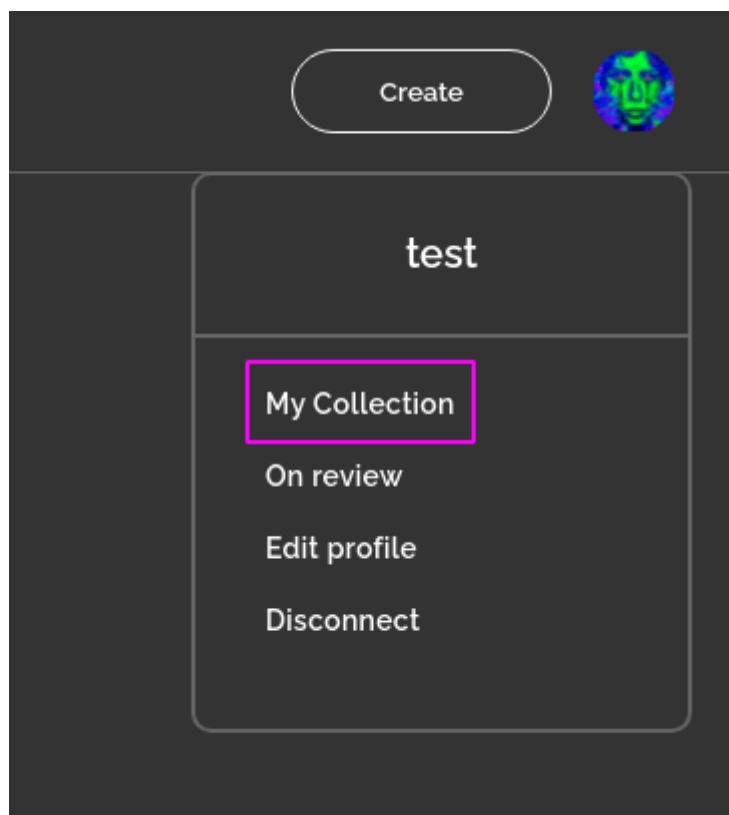


19. Click Send



4.3 Sell NFT

1. Click Profile icon
2. Click My Collection
3. Choose NFT



4. Enter Cost, Seed phrase

Put up for sale



Cost in TON

10000000000

Seed phrase

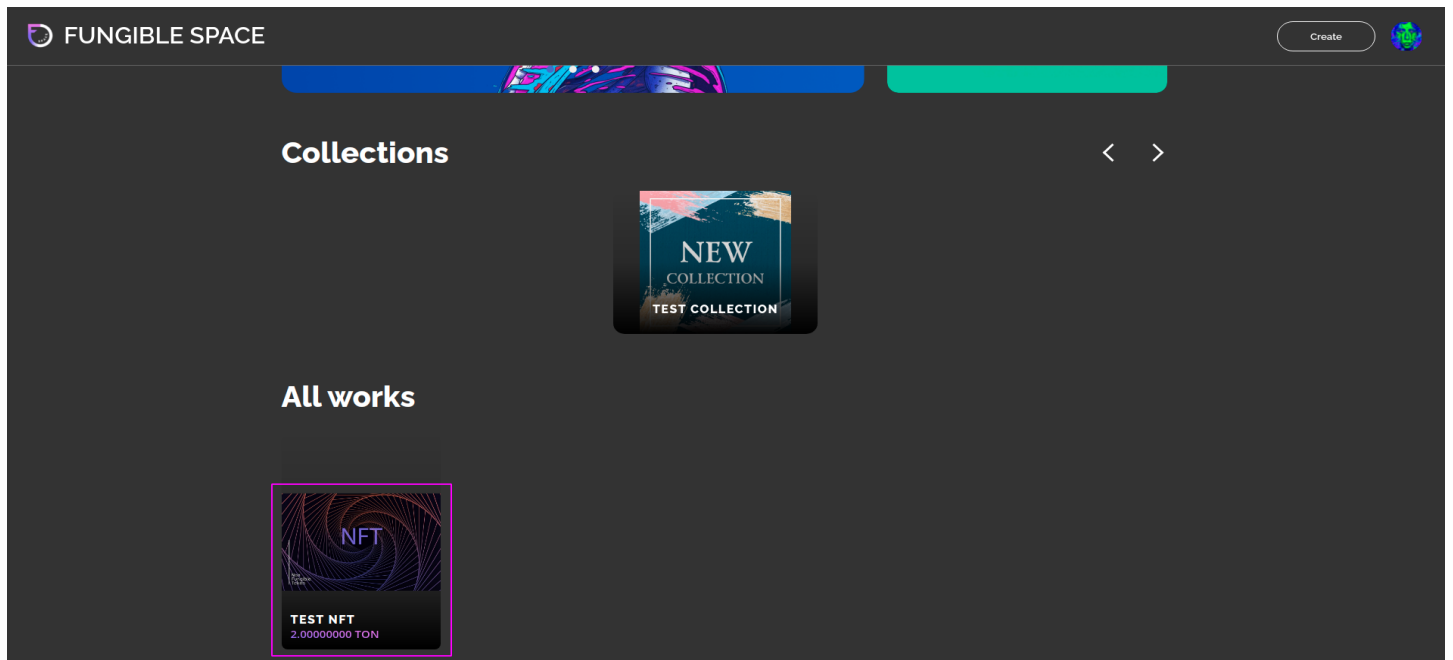
color brother foil around off anchor plastic coco

Send

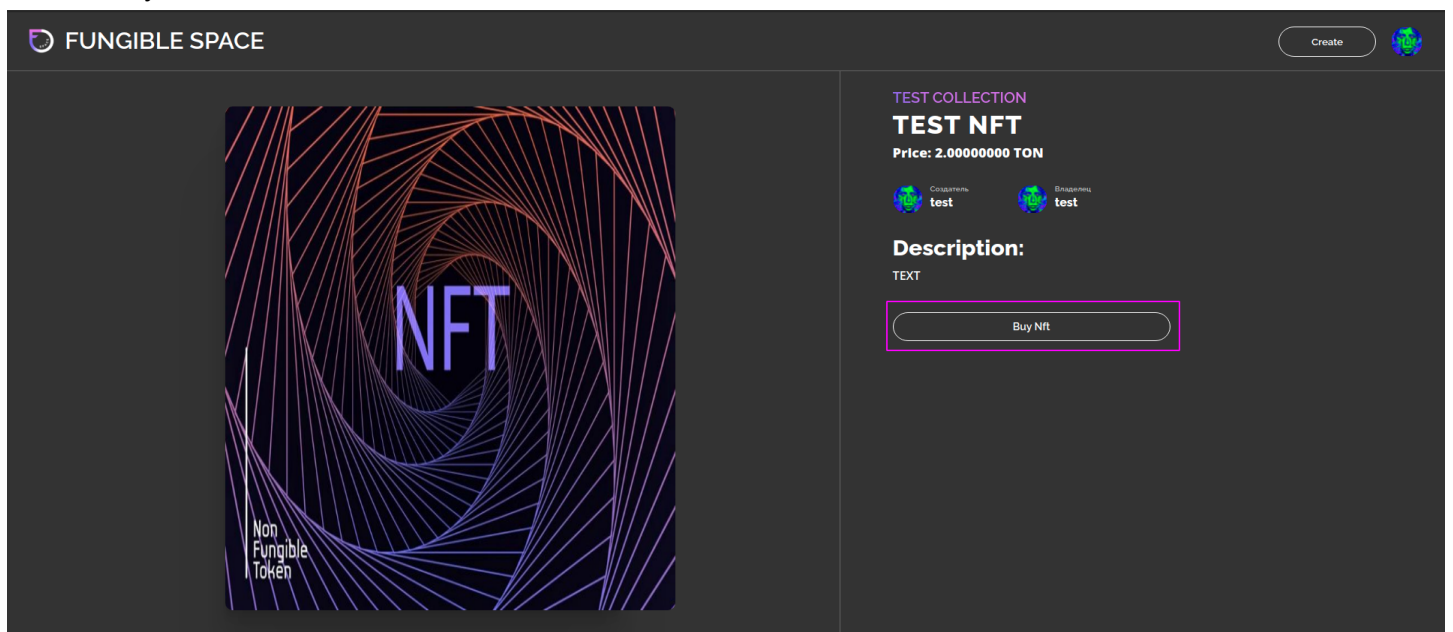
5. Click Send

4.3 Buy NFT

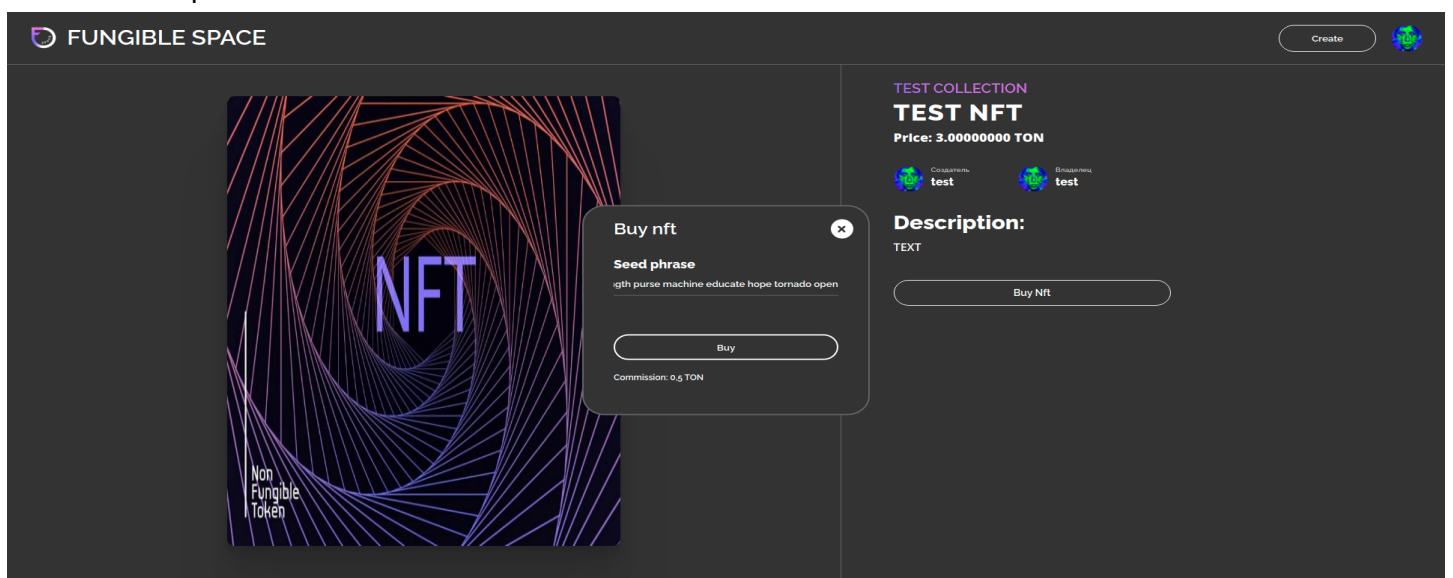
1. Choose NFT



2. Click Buy Nft



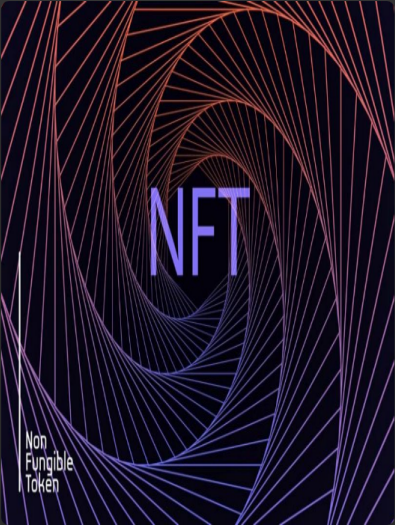
3. Enter Seed phrase



4. Click Buy

FUNGIBLE SPACE

Create



No collection

TEST NFT

Price: 3.00000000 TON

Comments

test

Engagement

test 2

Description:

TEXT

5. Sequence diagram

