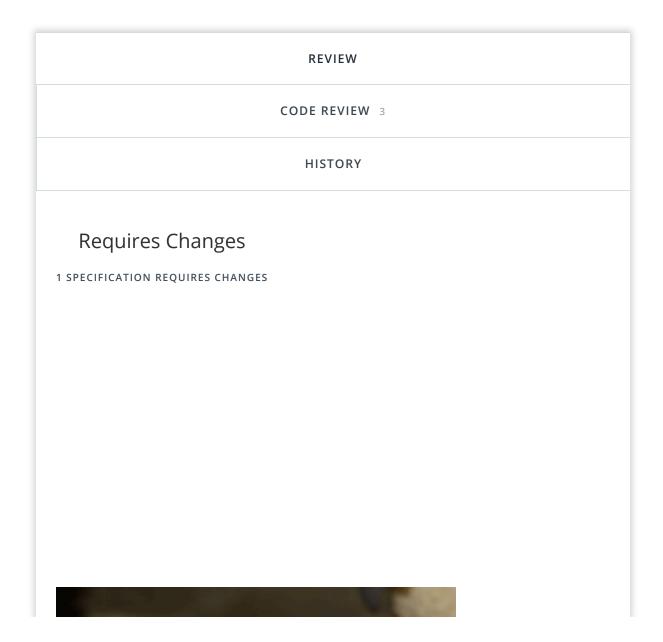


< Back to Blockchain Developer

Decentralized Star Notary





In case you need help feel free to get in touch with your mentors.

Keep learning!



Suggestions

Try to follow this awesome twitter accounts related to blockchain:

VitalikButerin

https://twitter.com/VitalikButerin?

 $ref_src=twsrc\%5 Etfw\%7 Ctwcamp\%5 Etweetembed\%7 Ctwterm\%5 E942032830896398336\& ref_url=html. The state of th$ tp%3A%2F%2Ffortune.com%2F2017%2F12%2F27%2Fbitcoin-twitter%2F

Brian Armstrong

https://twitter.com/brian_armstrong?

 $ref_src=twsrc\%5Etfw\%7Ctwcamp\%5Etweetembed\%7Ctwterm\%5E936081853840101376\&ref_url=html. The properties of the properties$ tp%3A%2F%2Ffortune.com%2F2017%2F12%2F27%2Fbitcoin-twitter%2F

Videos

This is an excellent video: Multicoin Summit May 2018 Exploring Opportunities For Non Fungible Tokens

https://www.youtube.com/watch?v=nuD4DHJRRPQ

I want to share this amazing application of blockchain to CURE CANCER https://www.youtube.com/watch?v=Vwlji2rBdKU

https://www.youtube.com/watch?v=i66ccB4ShXU&t=509s

I want to share these awesome episodes from Udacity about blockchain https://www.udacity.com/built-on-blockchain

I wanted to share this great video about the fundamentals of Ethereum, so PLEASE WATCH it https://www.youtube.com/watch?v=yVN3ppNdwMo

I recommend this excellent video about the basics of Ethereum, to reinforce the fundamental concepts

https://www.youtube.com/watch?v=gjwr-7PgpN8

I want to share this interesting concept called Gitcoin, please check it https://gitcoin.co/ https://www.youtube.com/watch?time_continue=4&v=DJartWzDn0E

Write a smart contract with functions

Smart contract implements the ERC-721 or ERC721Token interface

Well done 👍

The star token should have these pieces of metadata added:

- Star coordinators
 - Dec
 - Mag
 - Cent
- Star story

Good job 🚖

Suggestions

The coordinators actually are dec, mag, cent and not dec, mag, ra, but this error is not significant for the functionality

Explicitly label the visibility of functions and state variables. Functions can be specified as being external, public, internal or private.

https://solidity.readthedocs.io/en/v0.4.24/contracts.html#visibility-and-getters

Smart contract prevents stars with the same coordinates from being added

Very good 🥮

Suggestions

You implemented well the way to check if the coordinates already exist. I want to tell you about an interesting alternative. You don't have to create another mapping variable, you can just use tokenIdToStarInfo . This could be done if you create a tokenId using the coordinates and you just check if a star with that | tokenId | already exists

Smart contract implements all these functions - createStar(), putStarUpForSale(), buyStar(), checklfStarExist(), mint(), approve(), safeTransferFrom(), SetApprovalForAll(), getApproved(), isApprovedForAll(), ownerOf(), starsForSale(), tokenIdToStarInfo()

Expected response for tokenIdToStarInfo():

```
["Star power 103!", "I love my wonderful star", "ra_032.155", "dec_121.
874", "mag_245.978"]
```

Good work 👍

Suggestions

This is a great article that talks about the difference of memory and storage, and how to use tham https://madium.com/coinmanke/what the hack is mamory and storage in colidity

6b9e62577305

Test smart contract code coverage

Project contains tests for the following functions and all tests are approved without error:

createStar(), putStarUpForSale(), buyStar(), checkIfStarExist(), mint(), approve(), safeTransferFrom(), SetApprovalForAll(), getApproved(), isApprovedForAll(), ownerOf(), starsForSale(), tokenIdToStarInfo()

Great!!

Suggestions

I really recommend reading this documentation so you can learn you testing to the next level !!!! https://mochajs.org/

I want to share these great tutorials to help improve your solidity skills https://medium.com/coinmonks/top-solidity-tutorials-4e7adcacced8

I want to share this cool tool called Mythril, that is a reversing and bug hunting framework for the Ethereum blockchain https://github.com/b-mueller/mythril/

Deploy smart contract on a public test network (Rinkeby)

- Smart contract is deployed on on the Ethereum RINKEBY test network
- Execute createStar() function
- Place your star for sale using putStarUpForSale() function

Excellent @

Suggestions

Suggestions

To interact with the smart contract in the rikeby network you can use metamask + MyEtherWallet:

https://ethereum.stackexchange.com/questions/25431/metamask-how-to-access-calldeployed-contracts-functions-using-metamask

Project submission includes a document (.md, .txt) that includes:

- Transaction ID
- · Contract address

Hint: You can view Transaction ID and Contract ID from a blockchain explorer (e.g. Etherscan). Example Contract ID:

https://rinkeby.etherscan.io/address/0xfb0720c0715e68f80c0c0437c9c491abfed9e7ab#code

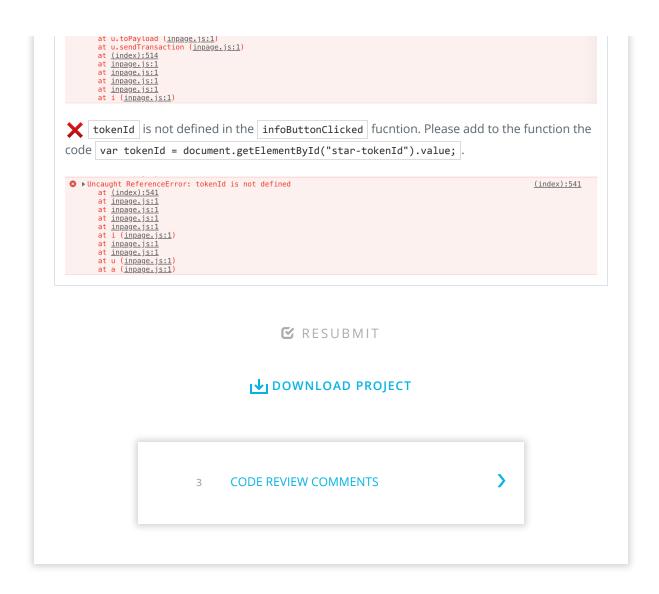
Great!!

Modify client code to interact with a smart contract

Front-end is configured to:

- Claim a new star. Each new star support these pieces of metadata:
 - Star coordinators
 - Dec
 - Mag
 - Cent
 - Star story
- Lookup a star by ID using tokenIdToStarInfo()
- 🗶 Invalid number of arguments to the createStar function, you are missing the tokenId.
- ❸ Uncaught Error: Invalid number of arguments to Solidity function at Object.InvalidNumberOfSolidityArgs (<u>inpage.js:1</u>) at u.validateArgs (<u>inpage.js:1</u>)

inpage.is:1





Best practices for your project resubmission

Ben shares 5 helpful tips to get you through revising and resubmitting your project.

• Watch Video (3:01)

RETURN TO PATH

Rate this review