U D A C I T Y

Sair

‹ Return to "Blockchain Developer" in the classroom   DISCUSS ON STUDENT HUB

Capstone: Real Estate Marketplace

REVISÃO	REVISÃO DE CÓDIGO 5	HISTORY

Meets Specifications

Awesome

You've made it, great job! I've liked the way you've structured your code and functions, nice tests implementation as well!

Keep it up! 👍🏼

Improvements

You can improve you fantastic skills reading this article
https://medium.com/@mycoralhealth/advanced-blockchain-concepts-for-beginners-32887202afad

I wish you good luck with your Nanodegree! Stay 🛡!

Project Deliverables

Student includes a README to explain how to test thier code.

Awesome

The document contains all necessary info and very well organized! 👍🏼

Student provides Contract Addresses, Contract Abi's, OpenSea MarketPlace Storefront link's.

Awesome

All the Contract Addresses, Contract Abi's, OpenSea MarketPlace Storefront link's are correctly provided (README file and Build folder), good job! 👍🏼

ERC721

Student completes the boilerplate ERC721 Mintable Contract in `ERC721Mintable.sol`

Awesome

Functions for ERC721 compliance and metadata parameters are successfully implemented!

Resources

The Anatomy of ERC721

Student writes and passes the test cases in `TestERC721Mintable.js`

```
Contract: TestERC721Mintable
  match erc721 spec
    ✓ should return total supply
    ✓ should get token balance
    ✓ should return token uri
    ✓ should transfer token from one owner to another (161ms)
  have ownership properties
    ✓ should fail when minting when address is not contract owner (56ms)
    ✓ should return contract owner
```

Awesome

Everything covered by tests, great job! 💪

- 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/
- Truffle test docs in order to improve your fantastic testing skills
- Mocha docs are awesome if you want to have a better view of this testing framework

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Student writes and passes the test cases in 'TestSquareVerifier.js'

Awesome

Tests for correct and incorrect proof are properly set, good job! 👍

```
Contract: TestSquareVerifier
  test verification with correct proof
    ✓ verification with correct proof (2018ms)
    ✓ verification with incorrect proof (1549ms)
```

Resources

A Brief Dive Into zk-SNARKs and the ZoKrates Toolbox on the Ethereum Blockchain

Student writes and passes the test cases in `TestSolnSquareVerifier.js`

Awesome

The tests in order to mint a new token are properly written, good job! 👍🏼

```
Contract: TestSolnSquareVerifier
  ✔ if a new solution can be added for contract — SolnSquareVerifier (3390ms)
  ✔ if a repeated solution can be added for contract (2241ms)
  ✔ if an ERC721 token can be minted for contract — SolnSquareVerifier (2099ms)
```

Zokrates

Student completes the Zokrates proof in square.code by adding the variable names in `square.code`

Awesome

square.code is completed using Zokrates DSL, great work! 👍🏼

```
def main(private field a, field b) -> (field):
    field result = if a * a == b then 1 else 0 fi
    return result
```

Student completes test contract in `SolnSquareVerifier.sol`

Awesome

The tests successfully show that the contract requires a valid proof and a unique solution in order to mint a new token, awesome work! 👍🏼
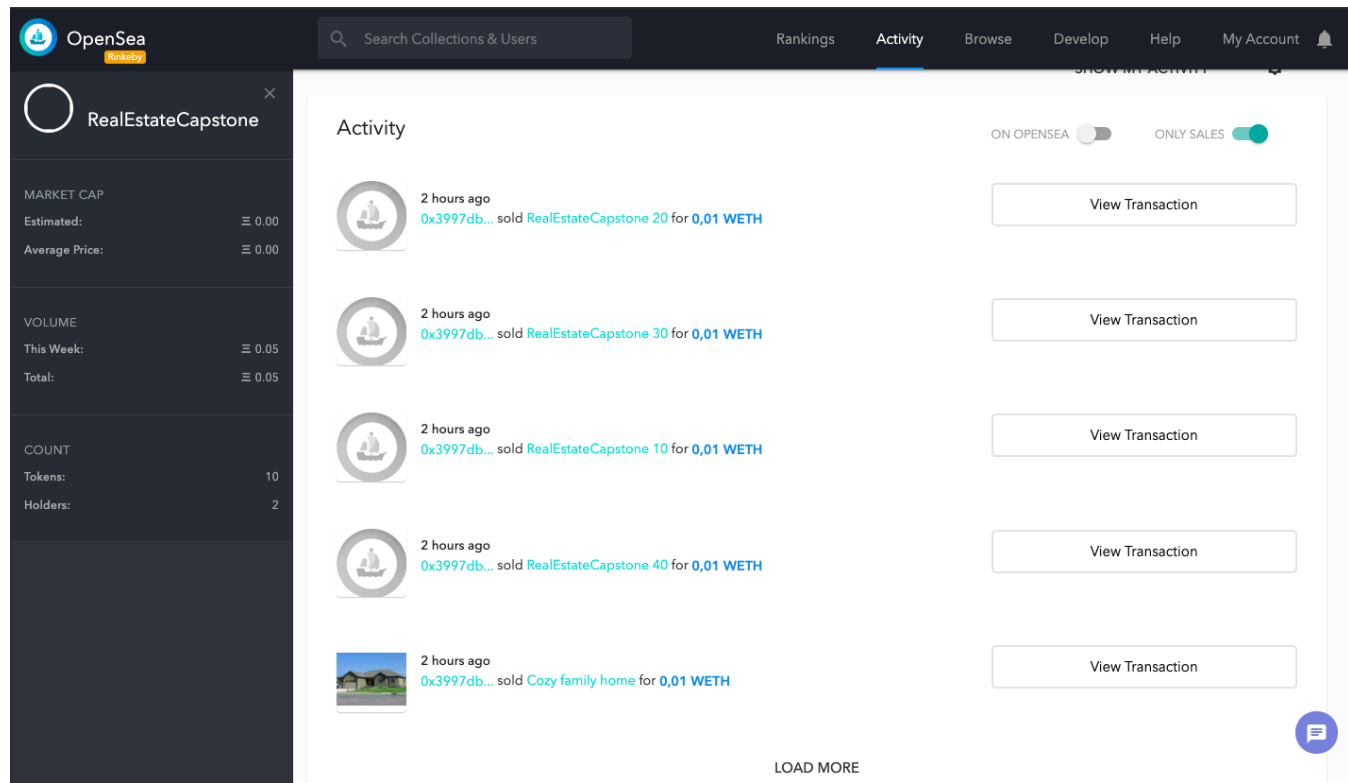
Student writes and passes the test cases in 'TestSolnSquareVerifier.js'

Awesome

The test cases in 'TestSolnSquareVerifier.js' are properly written and passed, good job!👍🏼

OpenSea Marketplace

Student list ERC721/ ZoKrates tokens & complete transactions on market place

Awesome

ERC721 tokens in the OpenSea Marketplace are successfully listed and traded, as shown in the activity tab of the market, awesome work! 👍🏼

Resources

OpenSea Marketplace Docs

Deployment

Student deploys ERC721 contracts with Zokrates integration.

Awesome

All set here as well, the Smart contracts are up and running at Rinkeby test network

⤓ BAIXAR PROJETO

5   COMENTÁRIOS DA REVISÃO DE CÓDIGO   ›

RETORNAR