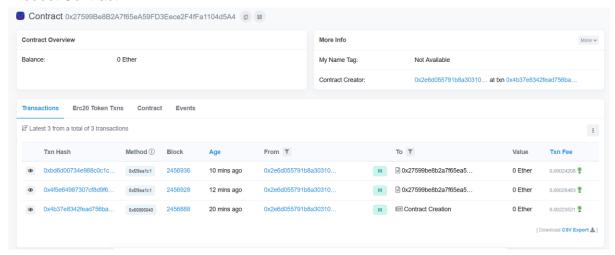
DOCUMENTATION

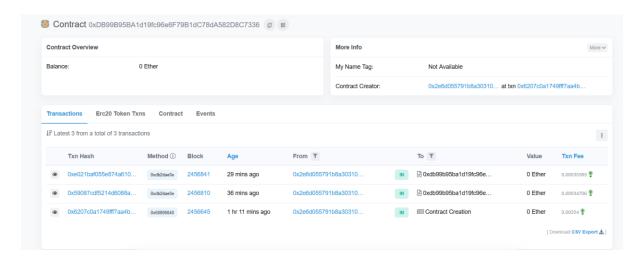
Author: Tobias Kurz Number of Contracts: 2

The first contract is about Products, it is an easy one. The second one is about Real Estate with several functionalities. Have fun 😊

Product Contract:



RealEstate Contract:



ACCESS CONTRACT PRODUCTS

- Create a new project, Create a folder Products
- RUN: truffle init
- Copy build folder and the truffle config file
- Replace the dummy in "sepolia section" with your mnemonic and the infura key
- Run: truffle console --network sepolia
- Run: let instance = await RealEstate.deployed()

Add Product:

- Name of the Product (string)
- Purpose of the Product (string)
- Price of the Product (uint)
- instance.addProduct("Banana", "Meal", 1)

Get All Products:

• instance.allProducts()

ACCESS CONTRACT REAL ESTATE

- Create a new project, Create a folder RealEstate
- RUN: truffle init
- Copy build folder and the truffle config file
- Replace the dummy in "sepolia section" with your mnemonic and the infura key
- Run: truffle console --network sepolia
- Run: let instance = await RealEstate.deployed()

Create Real Estate:

- Name of the Estate (string)
- Address of the Estate (string)
- Quadratmeters of the Estate (uint)
- instance.createEstate("Tobias Haus", "Musterstraße 10", 99)

Get All Real Estates:

• instance.allRealEstates()

Get One Real Estate:

- Number of the Estate (uint)
- instance.getRealEstate(0)

Sell Real Estate:

- Number of the Estate
- · Address of the new Owner
- RealEstate.sellEstate(0, "...")
- Selling is only possible if you are the owner of the house.

For some Examples see Page 3.

EXAMPLES

```
truffle(sepolia)> instance.addProduct("Banana", "Meal", 1)
truffle(sepolia)> instance.allProducts()
     'Ball',
     'Sports',
     '5<sup>'</sup>,
     name: 'Ball',
     purpose: 'Sports',
     price: '5'
      'Banana',
      'Meal',
     '1',
     name: 'Banana',
     purpose: 'Meal',
     price: '1'
1
  truffle(sepolia)> instance.allRealEstates()
      '0',
'Tobias Haus',
      '99',
      'Musterstraße 10',
'0x2E6d055791b8a30310766d59Cd421B93389576ba',
      id: '0',
name: 'Tobias Haus',
      quadratmeter: '99',
estateAddress: 'Musterstraße 10',
      owner: '0x2E6d055791b8a30310766d59Cd421B93389576ba'
    ]
  truffle(sepolia)> instance.getRealEstate(0)
 Result {
   '0': '0x2E6d055791b8a30310766d59Cd421B93389576ba',
   '1': 'Tobias Haus',
    '2': BN {
      negative: 0,
      words: [ 99, <1 empty item> ],
      length: 1,
      red: null
    },
'3': 'Musterstraße 10'
 truffle(sepolia)> instance.createEstate("FHV", "Musterstraße 10", 400)
truffle(sepolia)> [
```