

G-Market

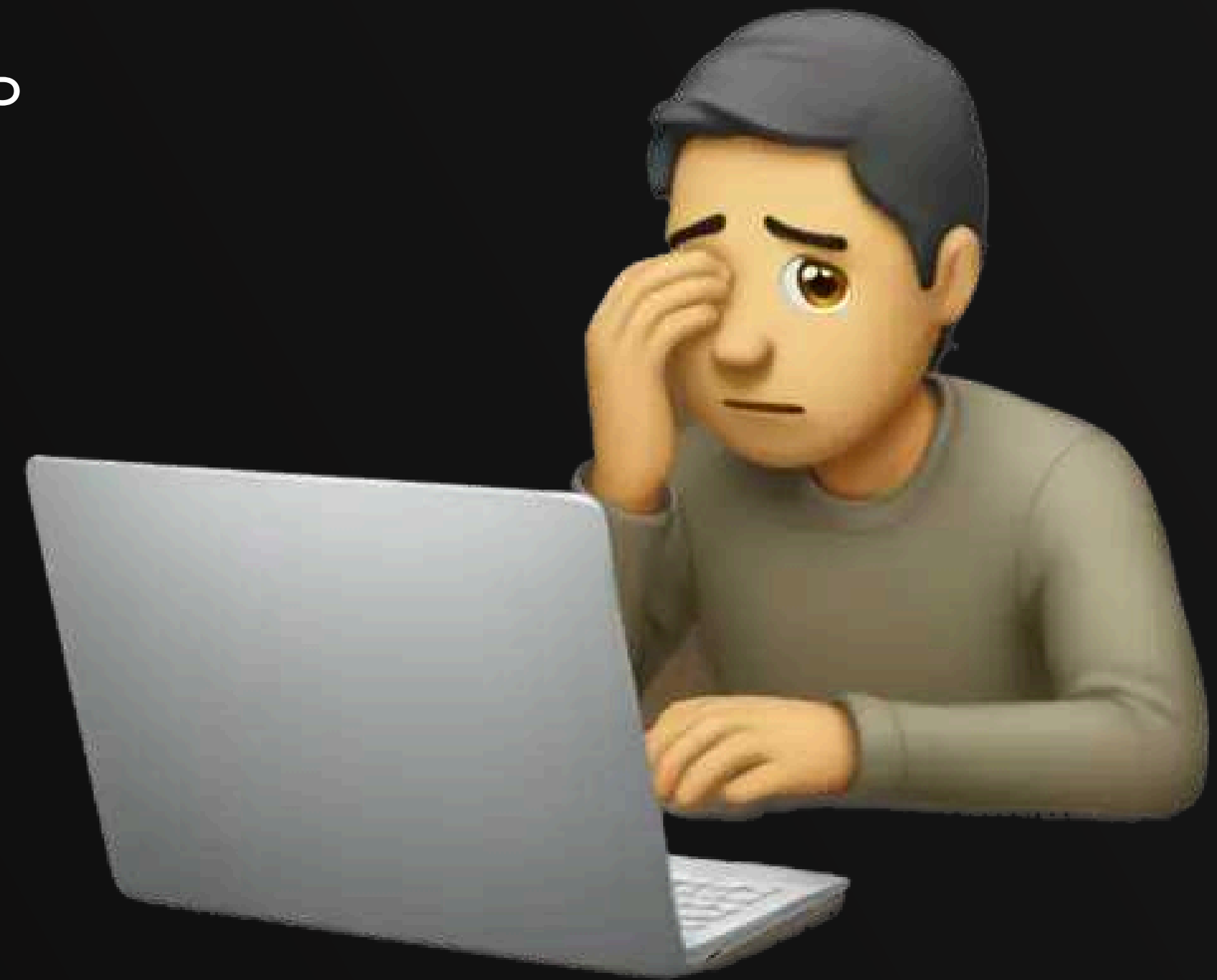
Крипто-маркетплейс игровых товаров

Problem

Инди-разработчики хотят реализовать свой игровой маркетплейс

но сталкиваются с проблемами:

- это сложно
- это долго
- нужно поддерживать





А что
если бы был
простой
вариант?

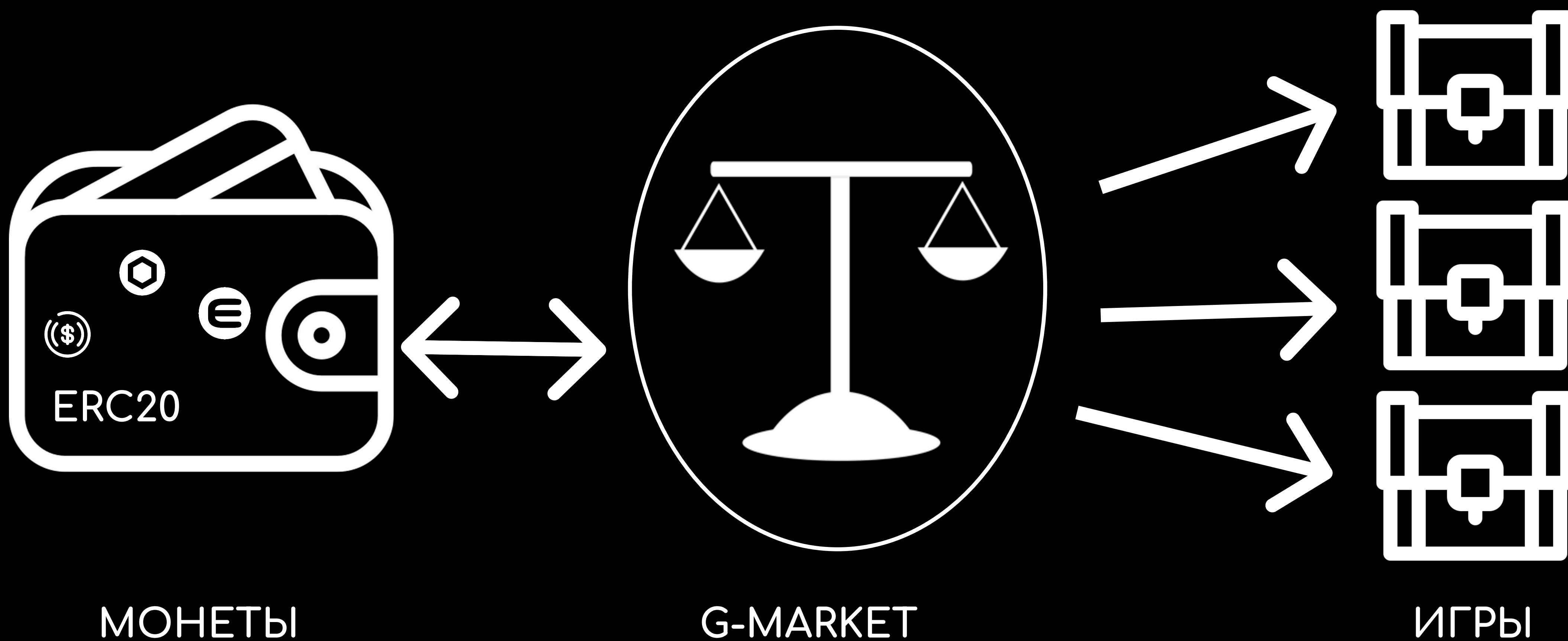
Concept

Concept



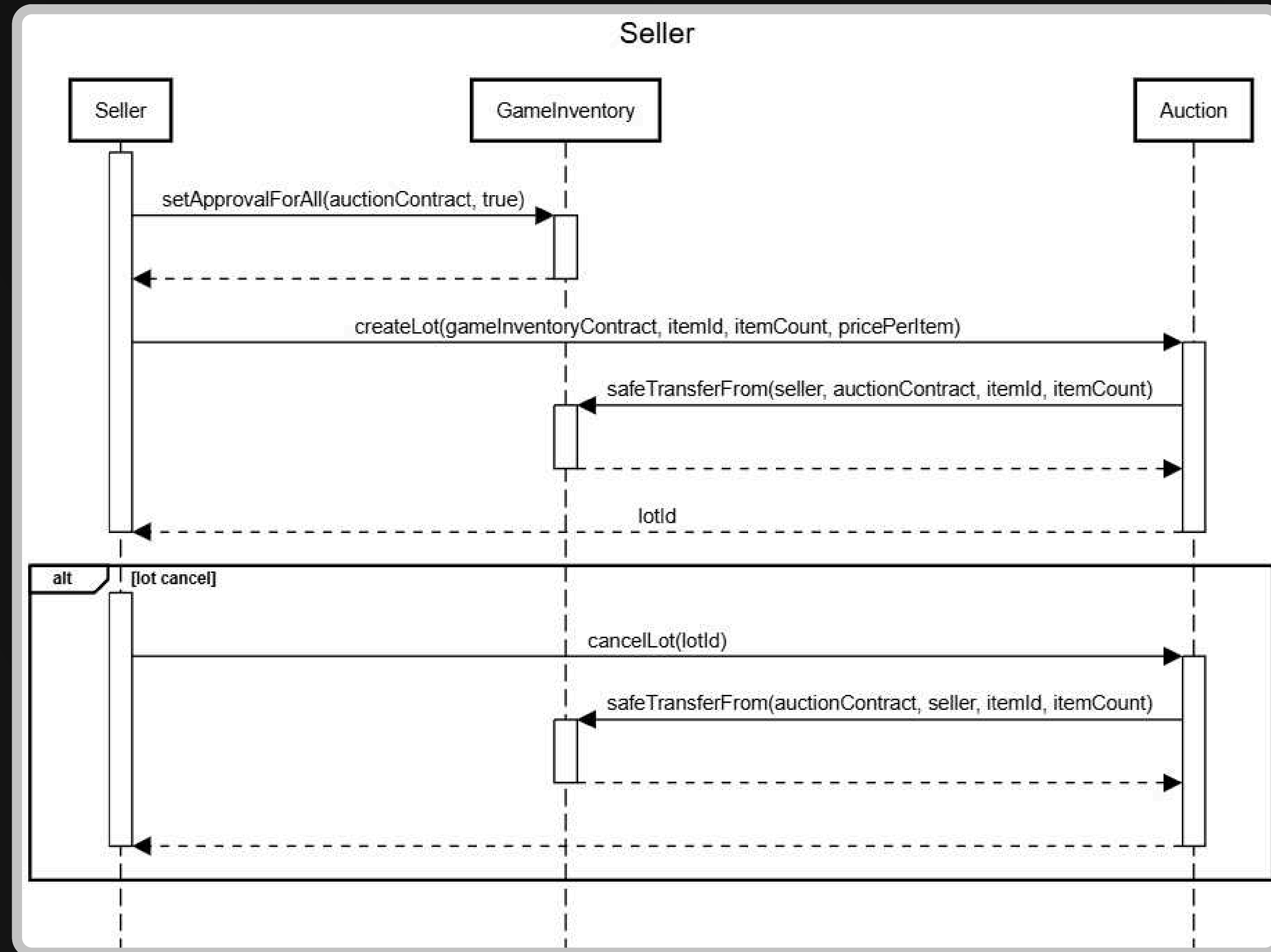
с нашей идеей
ВСЕ становится проще

Concept

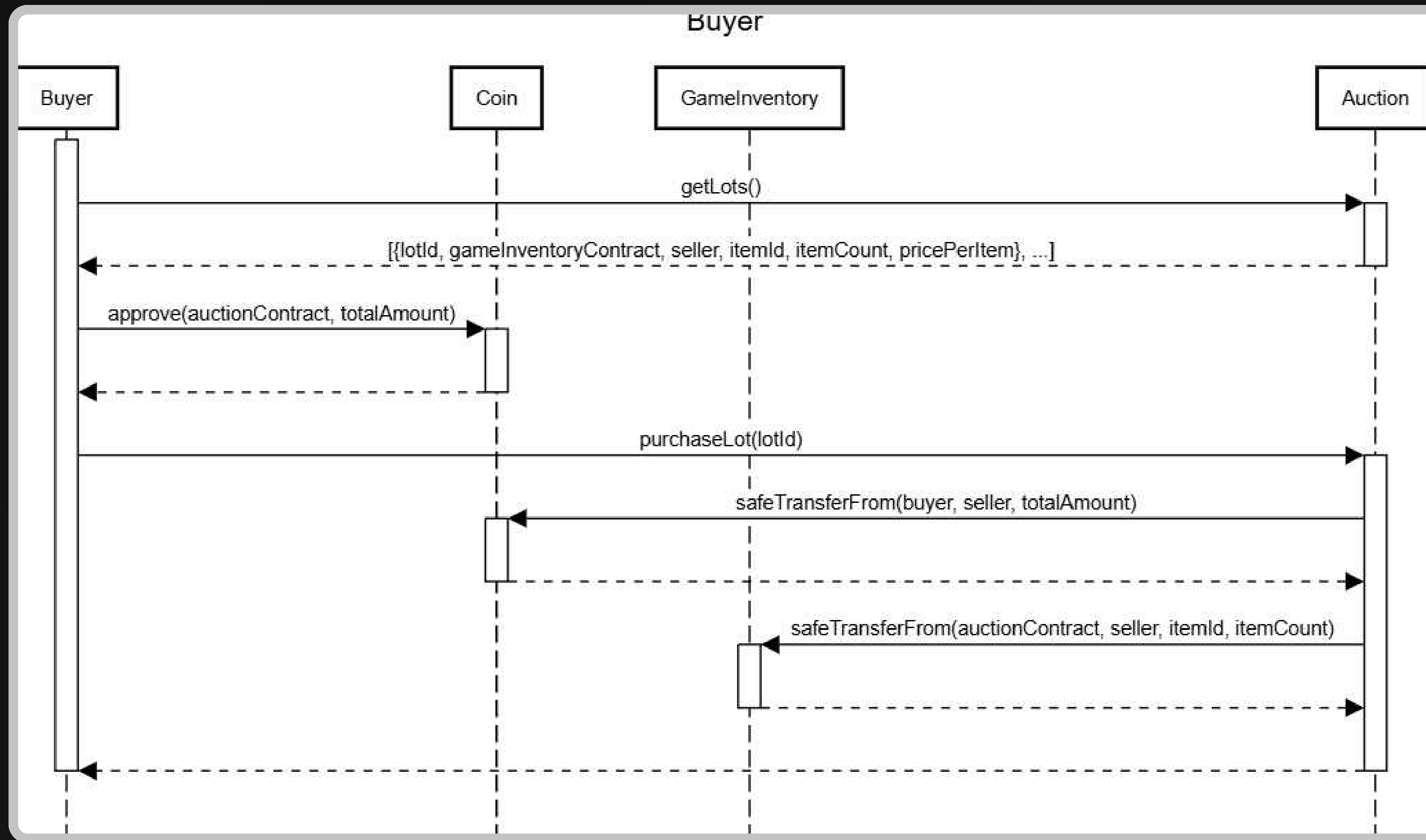


**DE
MO**

Demo



Demo



Demo

Deployed Contracts 2

GMARKETGAMEINVENTORY AT 0X1FD...D9391 (BLOCKCHAIN)

Balance: 0 ETH

safeBatchTransferFrom address from, address to, uint256[] ids, uint256[] values, bool allowBatch

safeTransferFrom address from, address to, uint256 id, uint256 value, bool allowBatch

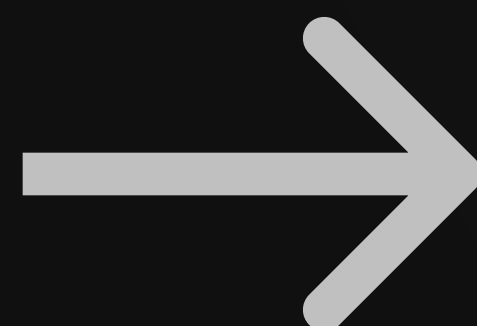
setApprovalForAll

operator: "0x378EaaBb9884F1877E6E45f859c667A189888A40"

approved: true

Calldata Parameters transact

Allowance на пользование
инвентарем



Deployed Contracts 2

GMARKETGAMEINVENTORY AT 0X1FD...D9391 (BLOCKCHAIN)

GMARKETAUCTION AT 0X378...88A40 (BLOCKCHAIN)

Balance: 0 ETH

cancelLot uint256 lotId

createLot

gameInventoryAddress: 0x1fD2a9f008B08D0F5cE06d0862e9143c6eaD93...

itemId: 1

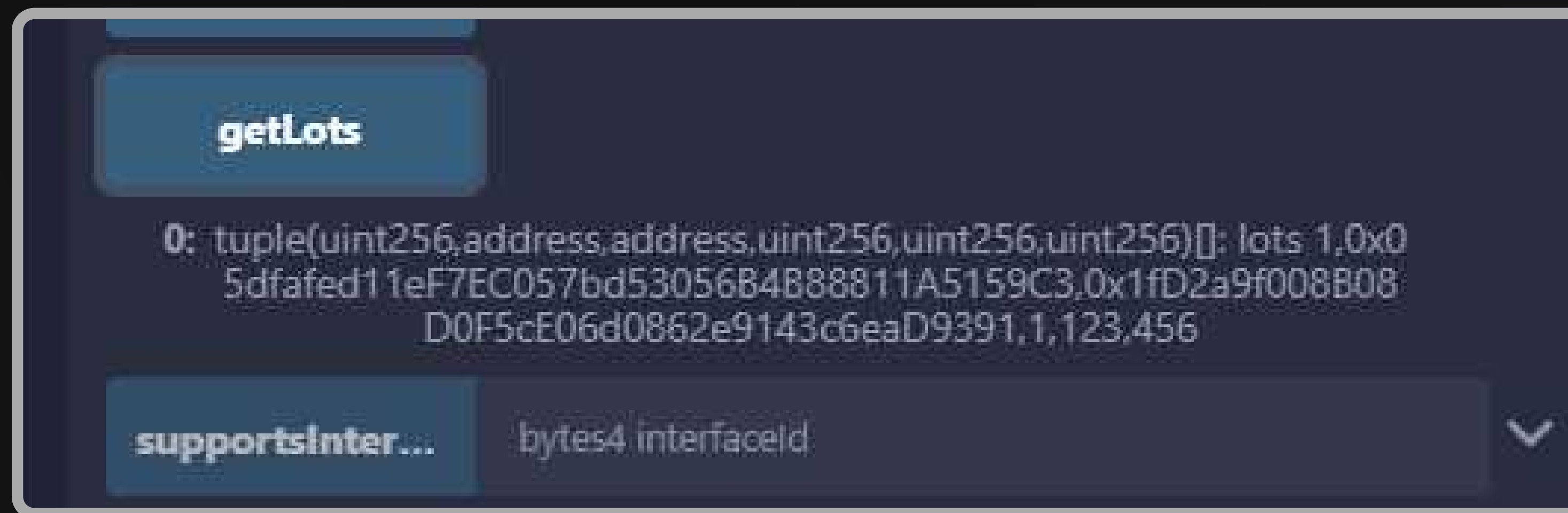
itemCount: 123

pricePerItem: 456

Calldata Parameters transact

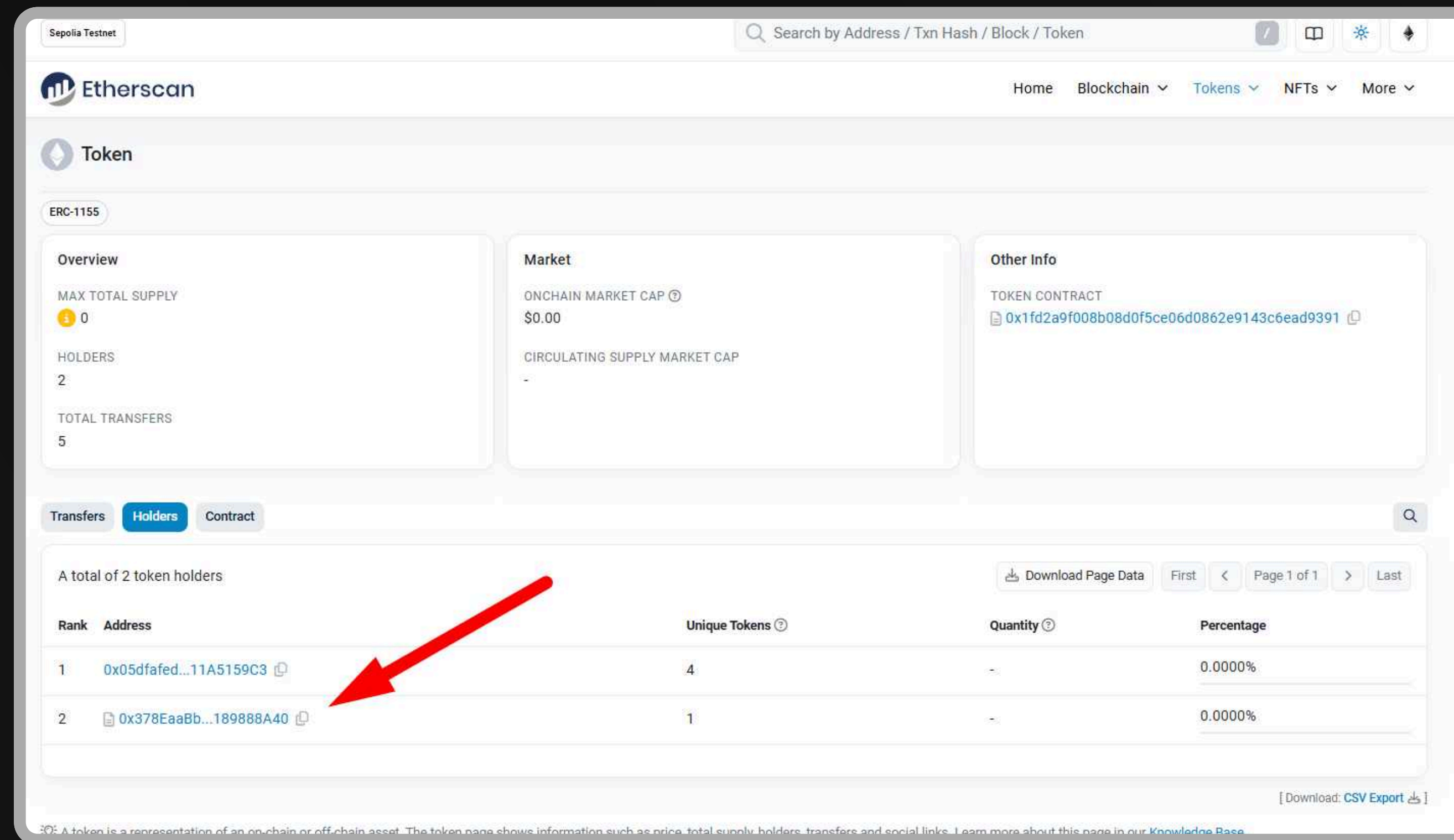
Создаем лот

Demo



Список активных лотов

Demo

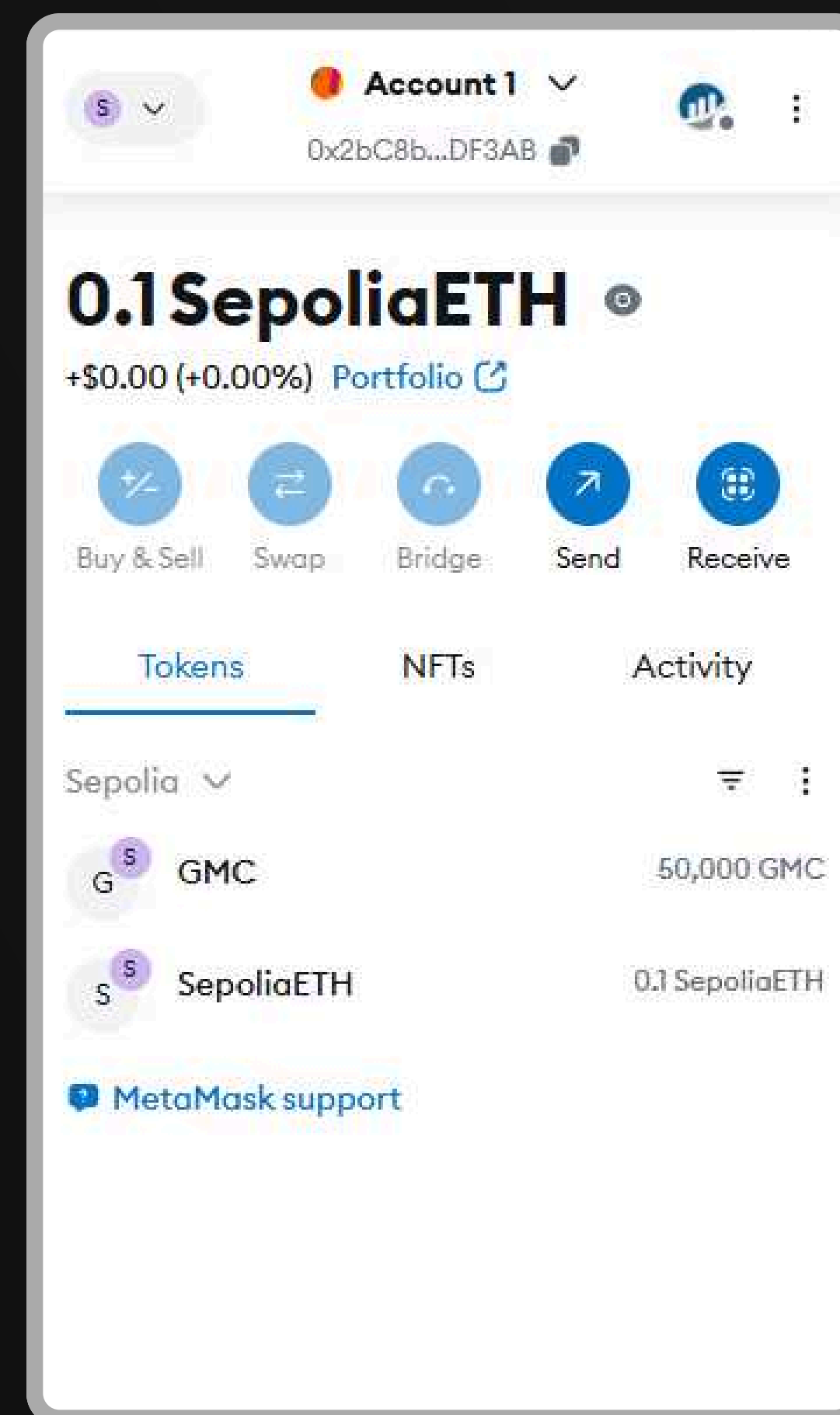
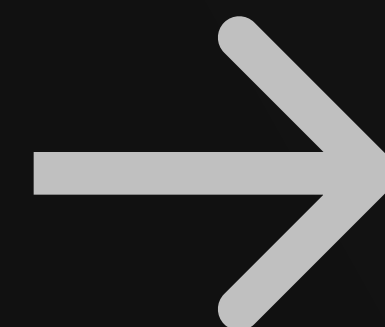
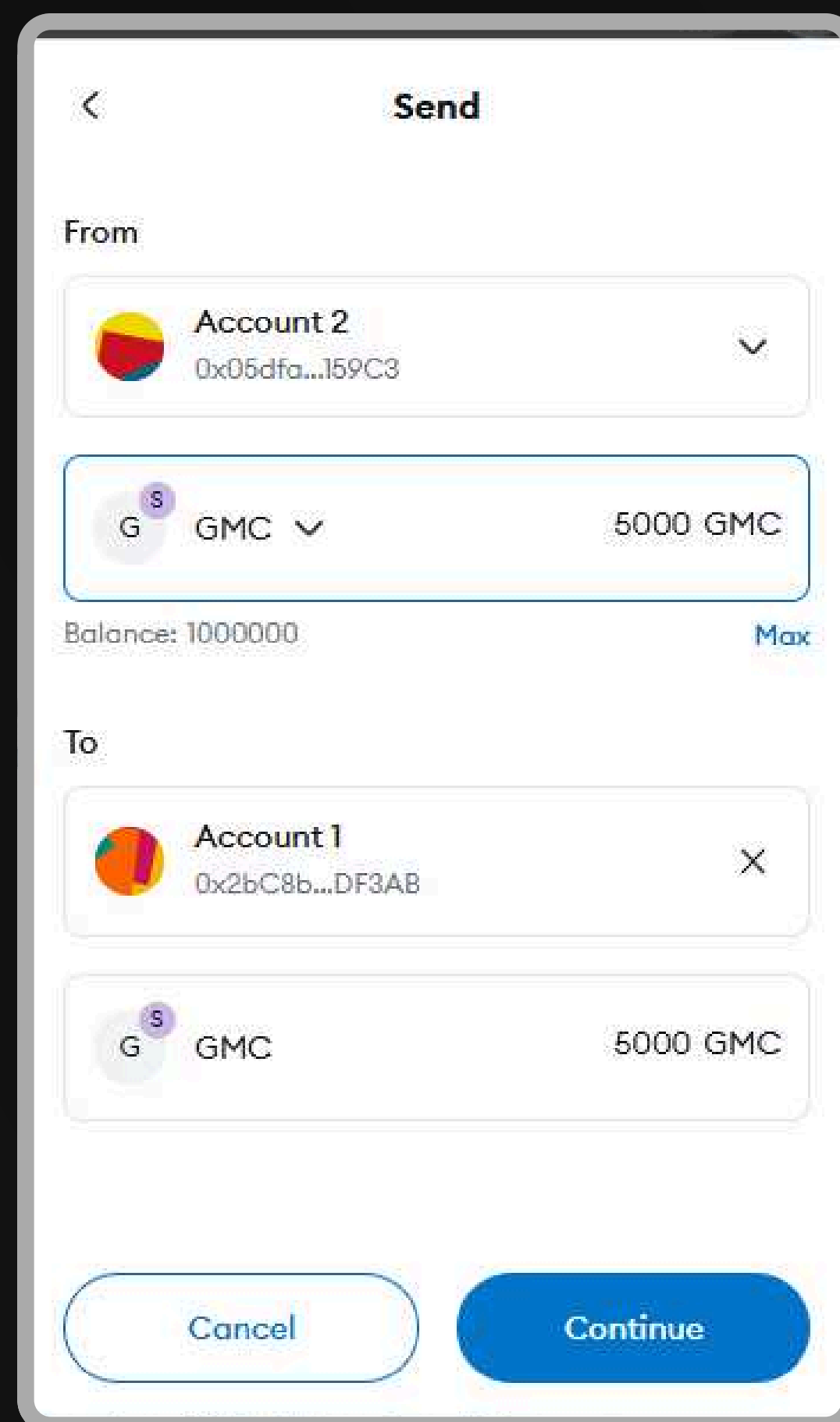
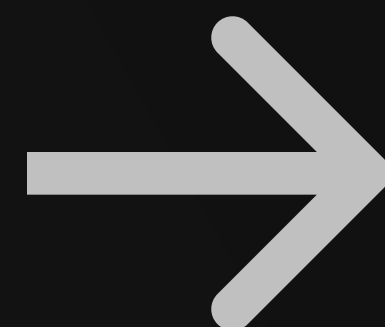
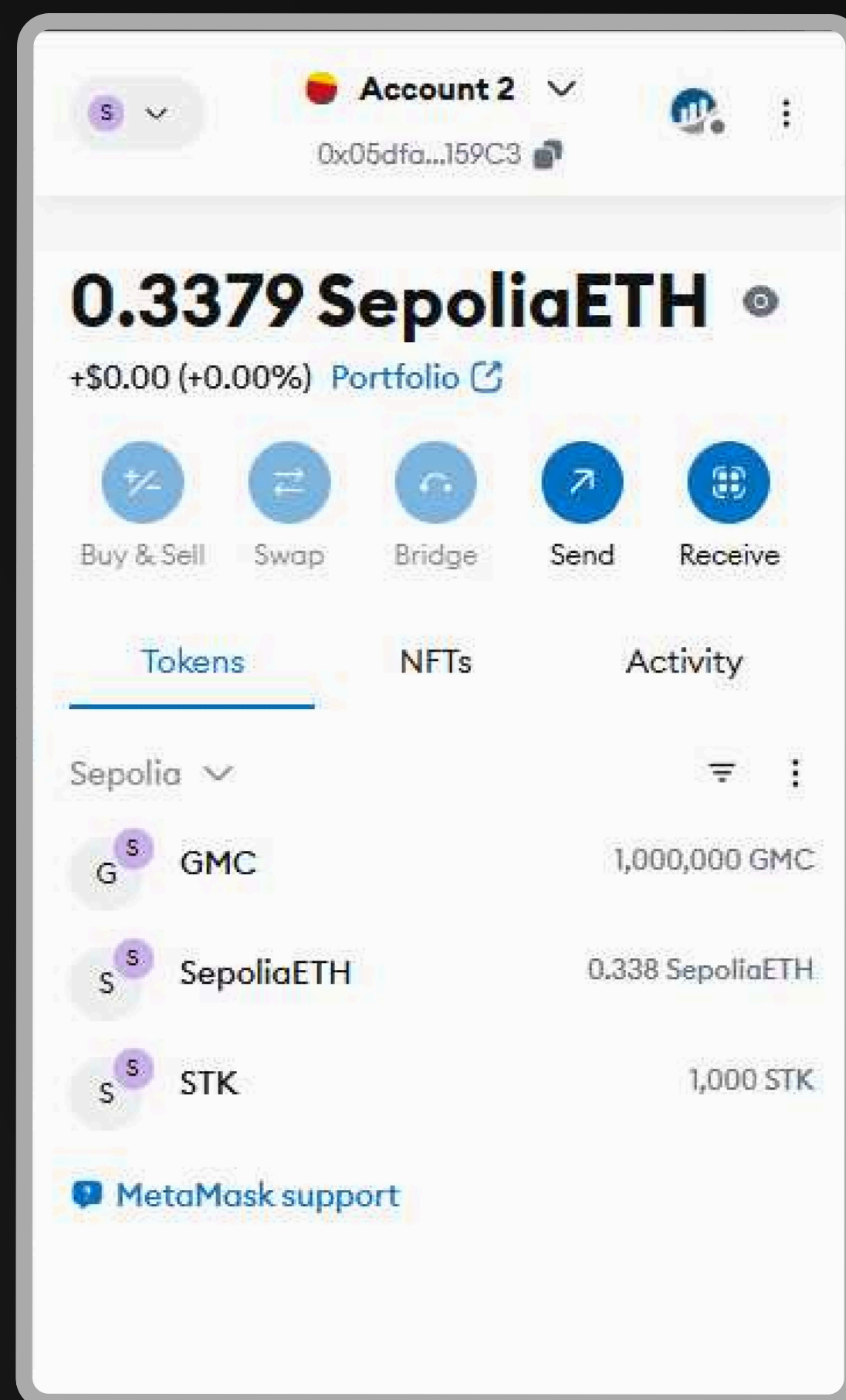


The screenshot shows the Etherscan Sepolia Testnet interface. The 'Token' section is active, displaying an ERC-1155 token. The 'Overview' tab shows 0 MAX TOTAL SUPPLY, 2 HOLDERS, and 5 TOTAL TRANSFERS. The 'Market' section shows ONCHAIN MARKET CAP at \$0.00. The 'Other Info' section shows the TOKEN CONTRACT address: 0x1fd2a9f008b08d0f5ce06d0862e9143c6ead9391. Below these, the 'Holders' tab is selected, showing a table of token holders. A red arrow points to the first holder's address: 0x05dfafed...11A5159C3. The table has columns for Rank, Address, Unique Tokens, Quantity, and Percentage. The first holder has 4 unique tokens and 0.0000% of the supply. The second holder has 1 unique token and 0.0000% of the supply.

Rank	Address	Unique Tokens	Quantity	Percentage
1	0x05dfafed...11A5159C3	4	-	0.0000%
2	0x378EaaBb...189888A40	1	-	0.0000%

Предмет перенесен на счет контракта-аукциона

Demo



підготуємо акаунт покупця

Demo

Deployed Contracts 2

GMARKETCOIN AT 0xE05...94B2C (BLOCKCHAIN)

Balance: 0 ETH

approve

spender: 0x378EaaBb9884F1877E6E45f859c667A189888....

value: 56088

Calldata

Parameters

transact

Allowance на сумму покупки для контракта-акциона

Demo

purchaseLot

lotId: 1

Calldata

Parameters

transact

Покупаем лот

Demo

Etherscan

Home

Blockchain

Tokens

NFTs

More

Token

ERC-1155

Overview

MAX TOTAL SUPPLY

0

HOLDERS

2

TOTAL TRANSFERS

-

Market

ONCHAIN MARKET CAP

\$0.00

CIRCULATING SUPPLY MARKET CAP

-

Other Info

TOKEN CONTRACT

0x1fd2a9f008b08d0f5ce06d0862e9143c6ead9391

Transfers

Holders

Contract

A total of 2 token holders

Download Page Data

First

<

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>

Last

Rank	Address	Unique Tokens	Quantity	Percentage
1	0x05dfafed...11A5159C3	4	-	0.0000%
2	0x2bC8b7e5...401cDF3AB	1	-	0.0000%

Предметы появились у покупателя

Demo

Sepolia Testnet

Search by Address / Txn Hash / Block / Token

Etherscan

HomeBlockchainTokensNFTsMore

Token GMarketCoin (GMC)

ERC-20

Overview

MAX TOTAL SUPPLY
1,000,000 GMC

HOLDERS
2

TOTAL TRANSFERS
4

Market

ONCHAIN MARKET CAP ⓘ
\$0.00

CIRCULATING SUPPLY MARKET CAP
-

Other Info

TOKEN CONTRACT (WITH 18 DECIMALS)
0xe05761eaaa32a2bd6dc0af48bab013227e894b2c

Transfers

Holders

Contract

⌵ A total of 4 transactions found

Download Page DataFirst<Page 1 of 1>Last

Transaction Hash	Method	Block	Age	From	To	Amount
0x1cbc1b5b18...	0xf7f7c6aa	7313246	2 mins ago	0x2bC8b7e5...401cDF3AB	0x05dfafed...11A5159C3	0.00000000000000056088
0x3abad7b803...	Transfer	7313124	28 mins ago	0x05dfafed...11A5159C3	0x2bC8b7e5...401cDF3AB	45,000
0x3461293d5c...	Transfer	7313097	33 mins ago	0x05dfafed...11A5159C3	0x2bC8b7e5...401cDF3AB	5,000
0xd7adbfa9bd5...	0x60806040	7312971	1 hr ago	0x00000000...000000000	0x05dfafed...11A5159C3	1,000,000

First<Page 1 of 1>Last

Монеты перемещены от покупателя к продавцу

Demo

The screenshot shows the Etherscan interface for an ERC-1155 token. The top navigation bar includes links for Home, Blockchain, Tokens, NFTs, and More. The main header indicates the token type is ERC-1155. Below this, there are three summary cards: Overview (MAX TOTAL SUPPLY: 0, HOLDERS: 2, TOTAL TRANSFERS: 6), Market (ONCHAIN MARKET CAP: \$0.00, CIRCULATING SUPPLY MARKET CAP: -), and Other Info (TOKEN CONTRACT: 0x1fd2a9f008b08d0f5ce06d0862e9143c6ead9391). The Transfers tab is selected, showing a list of 6 transactions. The first two transactions are highlighted with a red box, indicating the movement of the token from the seller to the auction and then to the buyer.

Transaction Hash	Method	Block	Age	From	To	TokenID	Value
0x1cbc1b5b18...	0xf7f7c6aa	7313246	3 mins ago	0x378EaaBb...189888A40	0x2bC8b7e5...401cDF3AB	123	#1
0x25f15dc1111...	0xf3c16cbb	7313042	46 mins ago	0x05dfafed...11A5159C3	0x378EaaBb...189888A40	123	#1
0xac26741a13...	0x60806040	7312993	56 mins ago	0x00000000...000000000	0x05dfafed...11A5159C3	10000000	#4
0xac26741a13...	0x60806040	7312993	56 mins ago	0x00000000...000000000	0x05dfafed...11A5159C3	10000000	#3

Движение предметов от продавца к аукциону и от аукциона к покупателю

Demo

Etherscan

HomeBlockchainTokensNFTsMore

Contract0x378EaaBb9884F1877E6E45f859c667A189888A40

Overview

More Info

Multichain Info

ETH BALANCE

0 ETH

CONTRACT CREATOR

0x05dfafed...11A5159C3 at txn 0x40141985ea...

N/A

TransactionsInternal TransactionsToken Transfers (ERC-20)NFT TransfersContractEvents

Transactions involving tokens marked as suspicious, unsafe, spam or brand infringement are currently hidden. To show them, go to Site Settings.

Latest 2 NFT TransfersToken Transfer Events

Transaction Hash	Method	Block	Age	From	To	Type	Item
0x1cbc1b5b18...	0xf7f7c6aa	7313246	6 mins ago	0x378EaaBb...189888A40	OUT0x2bC8b7e5...401cDF3AB	ERC-1155 >99	NFT #1 NFT
0x25f15dc1111...	0xf3c16cbb	7313042	49 mins ago	0x05dfafed...11A5159C3	IN0x378EaaBb...189888A40	ERC-1155 >99	NFT #1 NFT

Download Page Data

Download CSV Export

Движение предметов

Demo

Инвентарь

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.20;

import {ERC20} from "@openzeppelin/contracts/token/ERC20/ERC20.sol";

contract GMarketCoin is ERC20 {

    constructor() ERC20("GMarketCoin", "GMC") {
        _mint(msg.sender, 1000000 * (10 ** uint256(decimals())));
    }
}
```

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.20;


import {ERC1155} from "@openzeppelin/contracts/token/ERC1155/ERC1155.sol";

contract GMarketGameInventory is ERC1155 {

    constructor() ERC1155("https://gmarket.com/api/item/{id}.json") {
        _mint(msg.sender, 1, 10000000, "");
        _mint(msg.sender, 2, 10000000, "");
        _mint(msg.sender, 3, 10000000, "");
        _mint(msg.sender, 4, 10000000, "");
    }
}
```

Монета

Demo

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.20;
3
4 import {IERC20} from "@openzeppelin/contracts/token/ERC20/IERC20.sol";
5 import {SafeERC20} from "@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol";
6 import {IERC1155} from "@openzeppelin/contracts/token/ERC1155/IERC1155.sol";
7 import {ERC1155Holder} from "@openzeppelin/contracts/token/ERC1155/utils/ERC1155Holder.sol";
8
9 contract GMarketAuction is ERC1155Holder {
10     using SafeERC20 for IERC20;
11
12     struct Lot {
13         uint256 id;
14         address seller;
15         address gameInventoryAddress;
16         uint256 itemId;
17         uint256 itemCount;
18         uint256 pricePerItem;
19     }
20
21     address public _owner;
22     IERC20 public _coin;
23
24     uint256 public _lastLotId;
25     uint256[] public _lotIds;
26     mapping(uint256 => Lot) public _lots;
27
28     constructor(address coinAddress) {  infinite gas 1387600 gas
29         _owner = msg.sender;
30         _coin = IERC20(coinAddress);
31     }
```


Аукцион

Demo

```
function _createLot(    ⛽ infinite gas
    address gameInventoryAddress,
    address seller,
    uint256 itemId,
    uint256 itemCount,
    uint256 pricePerItem
) internal returns (uint256 lotId) {
    lotId = ++_lastLotId;
    _lotIds.push(lotId);
    _lots[lotId] = Lot({
        id: lotId,
        seller: seller,
        gameInventoryAddress: gameInventoryAddress,
        itemId: itemId,
        itemCount: itemCount,
        pricePerItem: pricePerItem
    });
    IERC1155 gameInventory = IERC1155(gameInventoryAddress);
    gameInventory.safeTransferFrom(seller, address(this), itemId, itemCount, "");
}
```

Создание лота

Demo

```
function _cancelLot(address seller, uint256 lotId) internal {  infinite gas
    Lot memory lot = _lots[lotId];
    require(lot.id != 0, "Lot not found");
    require(lot.seller == seller, "Wrong seller specified");
    delete _lots[lotId];
    _deleteElement(_lotIds, lotId);
    IERC1155 gameInventory = IERC1155(lot.gameInventoryAddress);
    gameInventory.safeTransferFrom(address(this), lot.seller, lot.itemId, lot.itemCount, "");
}
```

Отмена лота

Demo

```
function _purchaseLot(address buyer, uint256 lotId) internal {    ⛽ infinite gas
    Lot memory lot = _lots[lotId];
    require(lot.id != 0, "Lot not found");
    delete _lots[lotId];
    _deleteElement(_lotIds, lotId);
    IERC1155 gameInventory = IERC1155(lot.gameInventoryAddress);
    gameInventory.safeTransferFrom(address(this), buyer, lot.itemId, lot.itemCount, "");
    _coin.safeTransferFrom(buyer, lot.seller, lot.itemCount * lot.pricePerItem);
}
```

Покупка лота

ROADMAP

Roadmap

G-MARKET

Roadmap - initiate

Сделать фронт

Интеграция
сторонних игр

Создание своего демо
проекта с инвентарем

Интеграция с
платежными шлюзами
(если чужие токены)

G-MARKET

Roadmap - initiate - optimize

Батч-лоты (набора
айтемос на продажу)

Доработка API
аукциона (методы
поиска по конкретным
играм, айтемам)

G-MARKET

LET'S SUMMARIZE