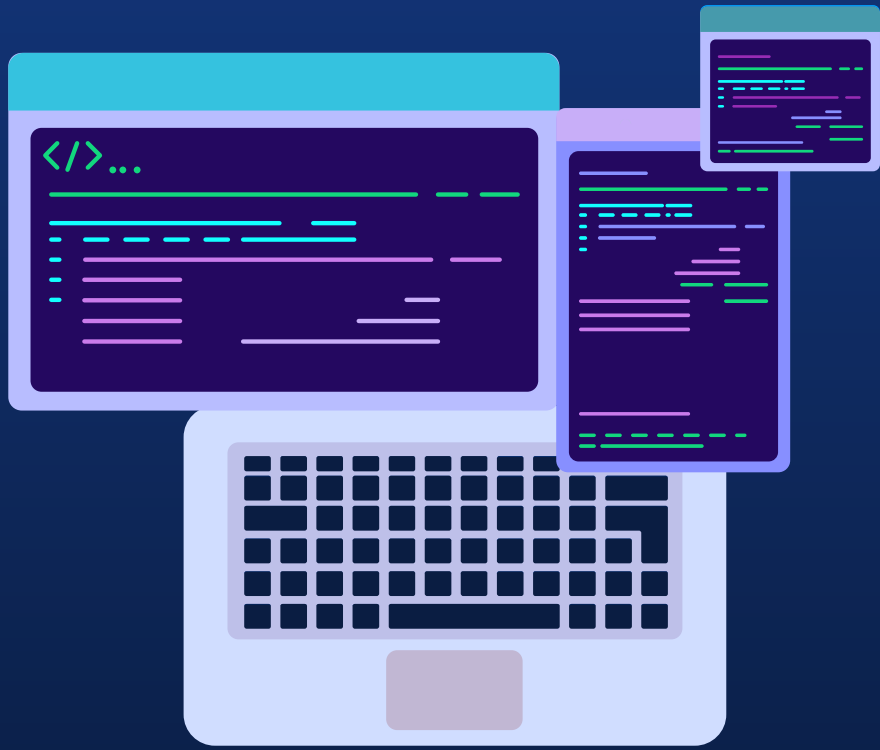
Echoes of the past



Start2Impact
Solidity Project

Description

Prototype of a fantasy themed NFT marketplace.
This is a decentralized application through which NFTs can be minted and sold for the platform's token.
Minting and sale are managed by smart contracts, while the metadata are saved via the IPFS protocol.

Components and technologies

Smart contracts

WispToken

ERC-20 contract
for platform's token

TreasureNFT

ERC-721 contract
for mint and manage NFTs

WelcomeChest

Faucet for $WISP

Merchant

NFTs sales management

Components and technologies

Front-end

Vue.js

Core of the web-app

Vue Router

Page routing

Vuex

State management

Bootstrap

Design and style

Web3.js

Ethereum interface

IPFS HTTP client

Decentralized storage

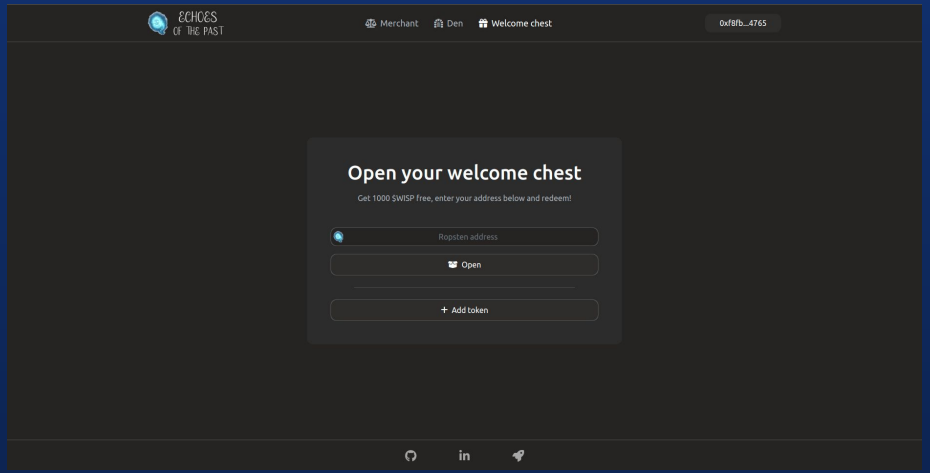
Components and technologies

Storage

IPFS

NFTs metadata storage

USER INTERFACE OVERVIEW



Welcome chest

This page is the equivalent of a faucet where you can request free tokens ($WISP) in order to interact with the platform without friction.

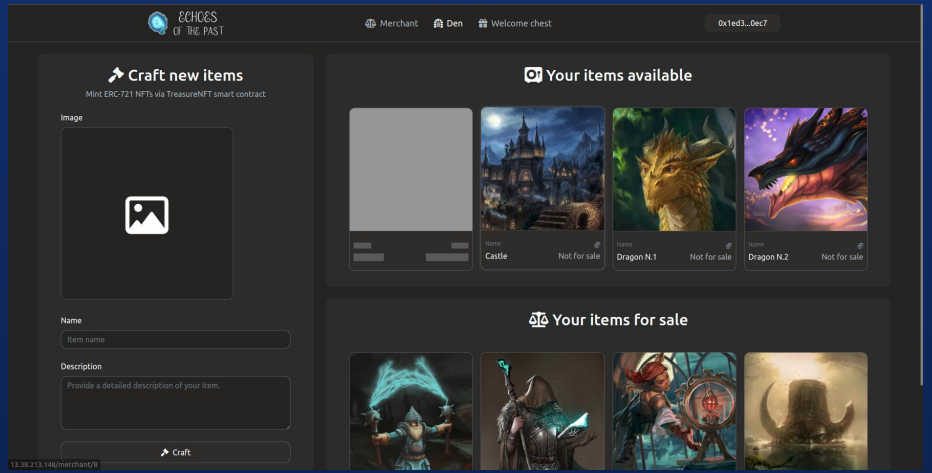
Den

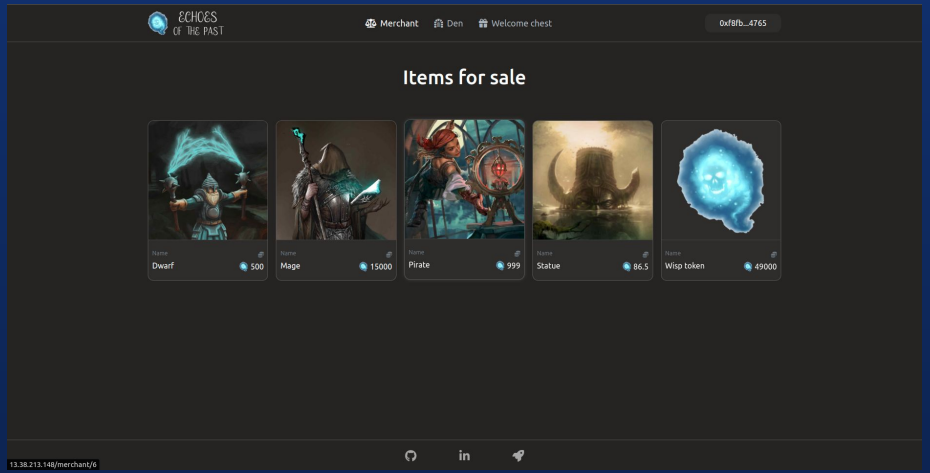
This page is similar to a profile page. The Den is divided into three sections.

Craft new items:
In this section you can mint new NFTs, the metadata will be saved via IPFS and associated with the token that is being minted.

Your items available:
Shown here are your NFTs that are not for sale and available for transfer or sale.

Your items for sale:
Shown here are your NFTs which are blocked by the Merchant smart contract for sale.



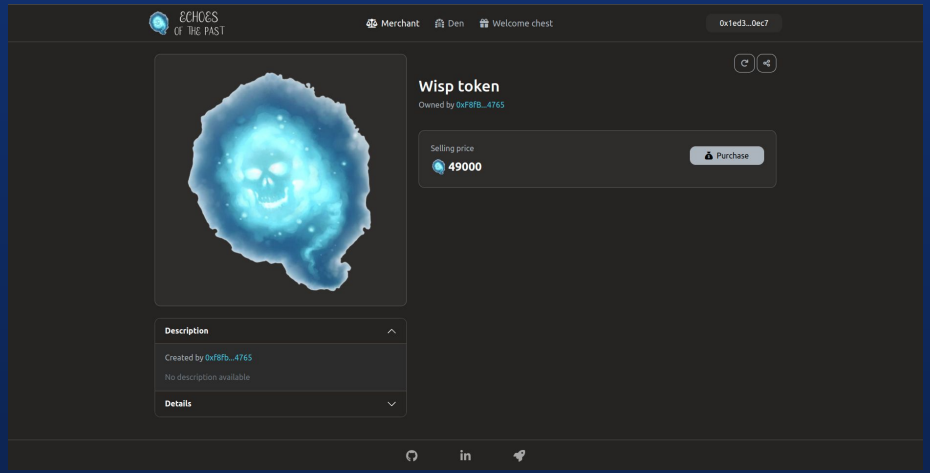


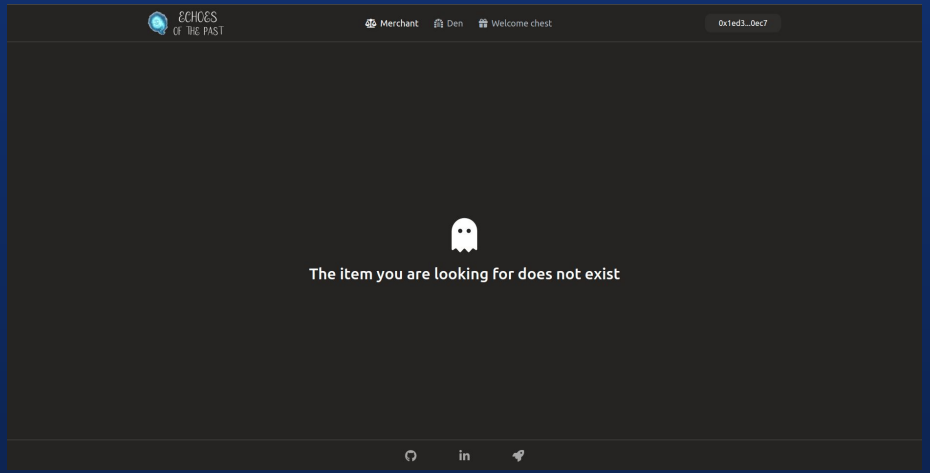
Merchant

This is the main page, all NFTs for sale are listed here. By clicking on one of them you will be redirected to the dedicated page in order to see the detailed information of the selected NFT and possibly proceed with the purchase.

NFT detail

This page shows the complete details of the NFT, if it is yours you can decide to put it on sale or withdraw it if it is already, otherwise if it is not yours and it is for sale you can proceed with the purchase.
In addition to these operations, you can consult the description and additional information such as the ID of the token, the standard and the address of the contract that issued it.



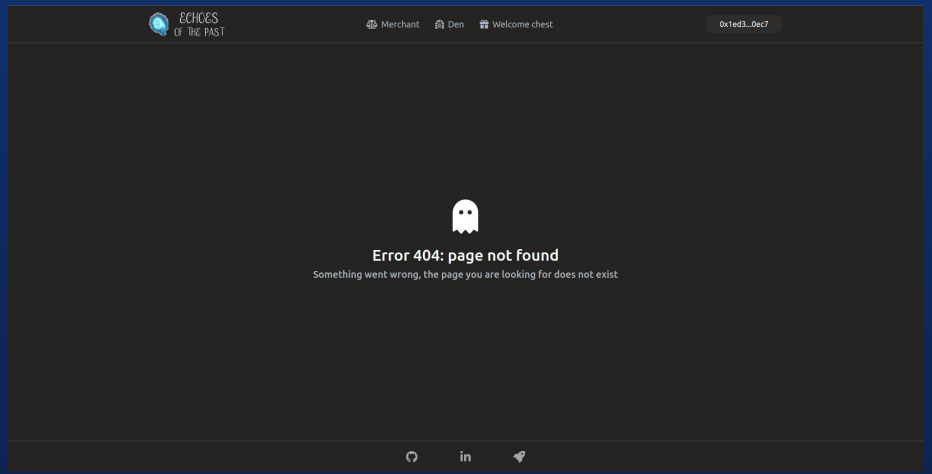


NFT not found

This page is shown when trying to view the detail of an NFT that does not exist. Usually due to invalid token ID.

Page not found

This page is shown when trying to view a page that does not exist or if an error occurred while loading an existing page.



THANKS

Source code on GitHub
Live demo on Amazon AWS
Portfolio on Start2Impact
Portfolio on Linkedin

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