CRYPTO MONEYBOX

A fundraising platform

CHAIN CUBE

Turkey

The Chain Cube is a startup blokchain company from Turkey.

- It aims to develop and launch its own projects on blockchain systems.
- Chain Cube heavily uses the Flow blockchain and develops its projects on Flow firstly.

ABOUT US

We are a technology team that develops systems such as marketplace, wallet, investment model in the blockchain ecosystem.

OUR AIM

Our aim is organizing a fast and reliable fundraising campaign for people in need with the Flow blockchain.

The CryptoMoneybox project supports two types of fundraising campaigns:

1. CHARITY CAMPAIGN

2. AID ORGANIZATION

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CHARITY CAMPAIGN MODEL

Organizing a charity campaign with a CharityEvent resource.

What is charity campaign?

- The Charity Campaign is a fundraising model that collects donations through the CharityEvent resource.

- The CharityEvent is a custom smart contract resource developed by the Chain Cube development team.

- A charity resource can be created by any user and listed for funding on the Flow blokchain.

- CryptoMoneybox users can donate to a charity resource after logging in from the web3 UI.

- CharityEvent donation ends in two ways:

  - The campaign end date.

  - The campaign target amount.

- Max donation amount and account address are saved in the CharityEvent resource.

Technologies we used

- Flow smart contract
  - Custom CharityContract
- Cadence
  - Custom transactions developed with Cadence
  - Custom scripts developed with Cadence
- Fcl
  - Fcl was used in runned transactions on the CryptoMoneybox web UI.
- Niftory Auth API was used for login

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CHARITY CAMPAIGN MODEL

How is it works?

1. A CharityEvent resource is created by a user on the Flow blockchain from Crypto Moneybox web UI and automatically listed for donation.

   - While creating the CharityEvent, the account to which the donations will be transferred, the end date of the donation and the target amount are kept on the Charity smart contract.

2. The end date of the campaign and campaign target amount are determined when creating a CharityEvent resource.

   - For example, users will be able to participate in donations for 2 days or until they reach the target amount.

3. Other users log into the CryptoMoneybox web UI with Niftory auth API.

4. CharityEvent resources are get from the blockchain with a custom transaction and listed on the Web UI.

5. Then, users can donate as much as they want to the charity resource.

6. The donations given are instantly transferred to the Flow account address defined by the system for the fundraising campaign.

AID ORGANIZATION MODEL

Aid organizations model is a a platform that allows individuals and organizations to start a campaign quickly in case of any natural disaster.

What is aid organization model?

- The aid organization is model of charity that collects donations through the ChainCubeAid contract.
- The ChainCubeAid is a custom smart contract extended from NFT developed by the Chain Cube development team.
- The charity organization model is a method of creating bulk Nfts in a collection at once.
- Nfts can symbolize any real product to be delivered to people in need. For example; water, blanket, staple food, etc.

Technologies we used

- Flow smart contract
  - Custom ChainCubeAid
- Cadence
  - Custom transactions developed with Cadence
  - Custom scripts developed with Cadence
- Collection/Set structure
  - NBA Top Shot collection model was used for Nft collections
- Fcl
  - Fcl was used in runned transactions on the CryptoMoneybox web UI.
- Niftory Auth API was used for login

AID ORGANIZATION MODEL

How is it works?

1. A Nft collection can be created by any user and listed for purchasing on the Flow blokchain.

2. An aid Nft collection is created by a user on the Flow blockchain from CryptoMoneybox web UI

   1. While creating a Nft collection, creator must be give a number of Nfts to the collection between 4-25.

3. All Nfts in the collection are automatically get with a script which get Nfts from the Flow blockchain .

4. On the "Explore" page, Nfts are listed under collections select list for other users to purchase

5. When click a listed Nft, the user can see Nft detail and purchase it.

6. The user who receives the aid Nfts becomes the new owner of the Nft and can list for sale it again later.

7. The user can see all its owned Nfts in web UI.

8. Finally, the user can track its all transactions on the Flow scan.

9. All aids are transefered to aid organizator account for people affected by the disasteror

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Cryptomoneybox Web3 UI

A fundraising campaigns web3 platform.

What is CryptoMoneybox ?

- CryptoMoneybox is a web3 platform which developed for social responsibility projects

- Its aim is to deliver reliable and fast aid to people from all over the world.

- Niftory Auth API was used for login with Google mail account.

- Allows users to organize or participate in fundraising campaigns

- The user can add more than one wallet and configure and use the desired wallet.

- All transactions are processed on the Flow blockchain and are secure.
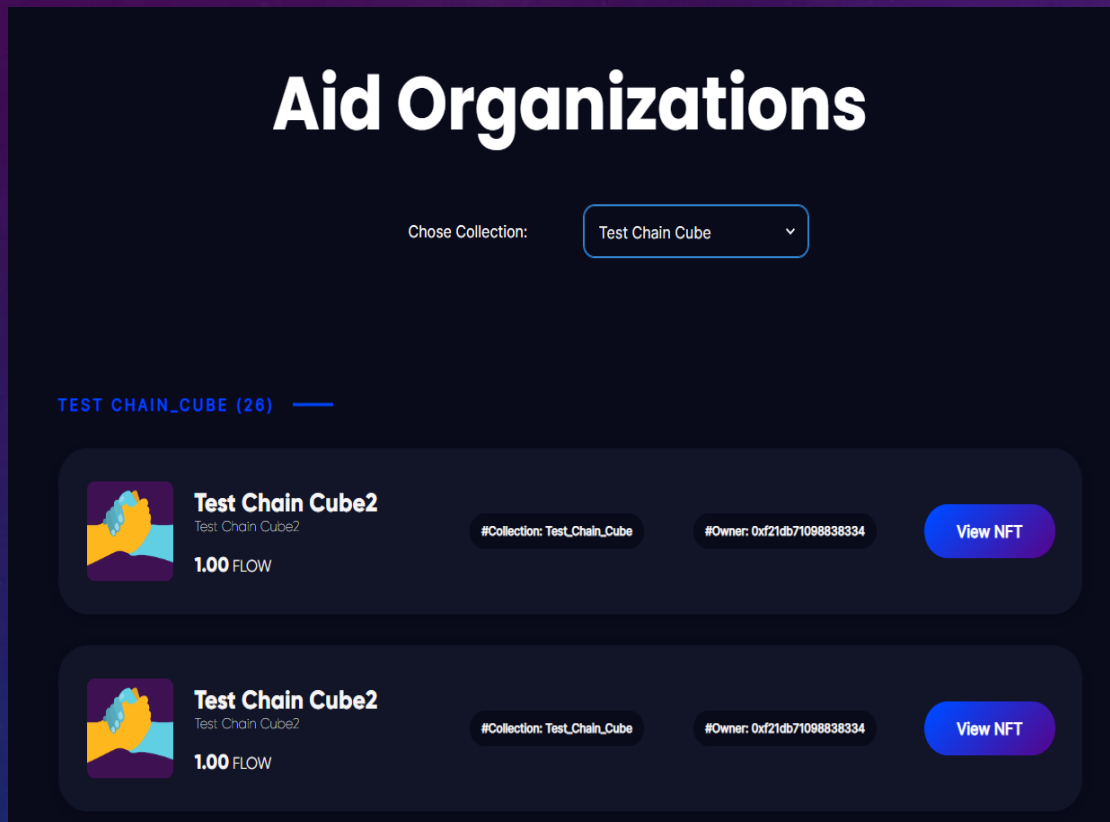
Technologies we used

- Nextjs with Typescript

- Niftory Apı was used for log into the CryptoMoneybox.

- Cadence

- Fcl

- Chakra-UI

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Cryptomoneybox Web3 UI

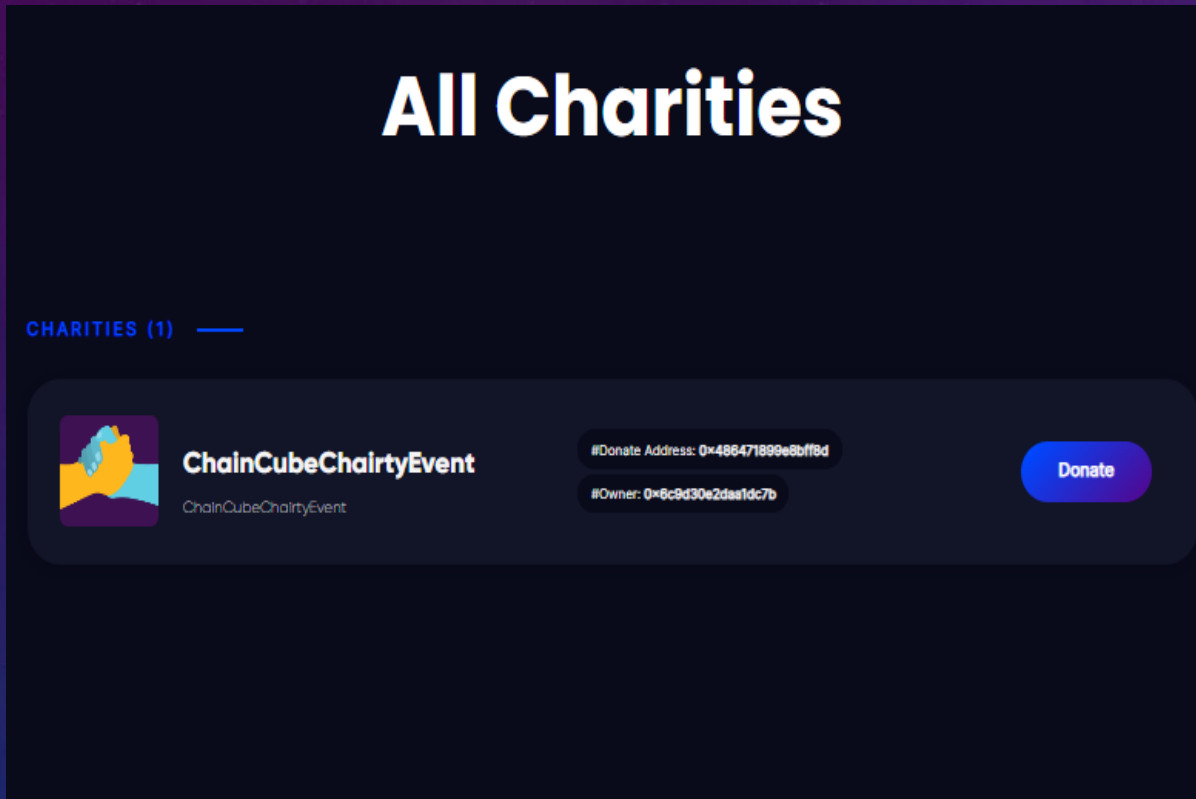Aid Organization

How is the Aid Organization works?

- The users can be create an aid organization with "**Create Aid NFTs"** tab into the "My Collection" page.

- All organizations are located on the "Aid Organizations" pages.

- If a user wants to see an aid organization Nft detail , has to should click "View NFT" button.

- To create and sale aid organization Nfts, we use our ChainCubeAid smart contract and custom transactions.

- All datas of Aid Organization is stored on Flow blockchain with transactions and fetched from there with scripts.

- **NOTE:** *We wanted to use Niftory API for walletless on-boarding, but we couldn't use it because Niftory doesn't support custom transaction.*

Cryptomoneybox Web3 UI

Charity Campaign

How is Charity Campaign works?

- The users can be create a charity campaign with "**Create Charity Campaign"** tab into the "My Collection" page.

- All charities are located on the "Charity" pages.

- If a user wants to see and donate for a charity campaign detail , has to should click "Donate" button.

- In the charity detail page, users can see all charity detail e.g. Donate Address, Event End Date..

- We use our Charity smart contract and custom transactions to create and donate a charity event.

- All datas of Aid Organization is stored on Flow blockchain with transactions and fetched from there with scripts.

Cryptomoneybox Web3 UI

Mint Nfts with Niftory

How is it works?

New Item with Niftory API

[Image: file upload area with folder/image icon]

CHOOSE FILE

or drag file here

- Users can mint a Nft from "**Create**" page.

- Nft mint with Niftory API.

- To build a **walletless onboarding** experience ,we use Niftory in Nft mint process.

- Users create a "**Niftory Wallet**" at the first login and Nft mint do with this wallet.

- Then, CryptoMoneyBox approve all transactions automatically on backend with Niftory.

THANK YOU

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