

Set up instructions

Node.js version: 18.16.1

lite-server version: @2.6.1

Solidity version: >0.5.0 <0.8.0

Truffle version: @5.10.2

Ganache version: 2.7.1

Front End Framework : JQuery: 1.12.4

Usage:

Delete build (if exist)

truffle compile

truffle migrate

npm run dev

New Features!

1. A way of purchasing a pet with bitcoin.
 - a) testing with switching accounts---changes made in pets.json , Adoption.sol, js.app, main.html
2. A way to donate to a pet to reduce its adoption fee.
 - a) Adoption fee cannot exceed adoption fee.
 - b) Adoption fee cannot be refund.---changes made in pets.json , Donation.sol, js.app, main.html
3. A way of keeping track of all pets' transactions. (Petshop owner's page)
--- changes made in Adoption.sol, js.app, withdraw.html
4. A way for pet's seller to withdraw money after the refund period and withdraw donations.
 - a) Can't withdraw before refund period.
 - b) Only owner can refund.--- changes made in Adoption.sol, Donation.sol, js.app, withdraw.html
5. A way for filtering the pets each adopter owns. (Adopter's page)
 - a) testing with switching accounts--- changes made in Adoption.sol, js.app, account.html
6. A way for adopter(buyer) to return the pet and refund the bitcoin within the refund period.
 - a) Can't refund after refund period.

--- changes made in Adoption.sol, js.app, account.html

7. A way for pet's owner to initiate a transfer request -- transferring the pet to another account given a proper ethernet address.
 - a) Must be a valid address.
 - b) Pet cannot be refund when in transfer.

--- changes made in Adoption.sol, js.app, account.html

8. A way for the receiver account to accept or reject the transfer request.

--- changes made in Adoption.sol, js.app, account.html

All these features are modified in:

1. Back-end solidity contracts: adoption.sol, donation.sol
2. Front-end JavaScript: js.app, pets.json
3. Front-end HTMLs

We've also crafted user-friendly web pages with an appealing design and incorporated our logo into them!