Pick-A-Book

REVA HACK 2021

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Himalayan Coders

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Overview:

http://pickabook.ga/ is Decentralized Web App (DApp) which is built on Ethereum Ropsten Test Network which is used to rent and buy books using REVA Coin(RUC). This website is a P2P website where only buyer and sender are involved.

Goals:

1. Buy and Sell books using CryptoCurrency (REVACoin).
2. Much easier to set up than a client-server network, does not need specialist knowledge.
3. To achieve decentralized Peer to Peer Network without involvement of 3rd person.

Prerequisites:

1. First you need to install the Metamask browser extension.
2. Create an account and change from Ethereum mainnet to Ethereum Ropsten Test Network.
3. Import REVACoin (RUC) using “hash - 0xE65b90cAad7B65651D747289378a5c086449E976 ”(this) address.

Project Overview:

This project mainly focuses on a Decentralized App on P2P network.

Decentralized App is based on Web 3.0 which will be used in all the website in future.

A peer-to-peer (P2P) network is a decentralized communication model between two peers also known as nodes, which can communicate with each other without the need for a central server. Unlike the seeder/leecher (or client/server) model in which a seeder makes the request and a leecher fulfills the request, the P2P network model allows each party to function as both a seeder and as a leecher. This means that the network, once formed, can be used by the participants to share and store files without the help of an intermediary.

Milestones:

I. REVACoin (RUC)

We have created a new coin called the REVA coin which is based on the Ethereum Ropsten Test Network. All the transactions of the coin can be seen in website https://ropsten.etherscan.io/address/0xE65b90cAad7B65651D747289378a5c086449E976

II. ChatApp

We have created a Chatapp currently using a third party chat engine (https://chatengine.io/) for Peer To Peer Communication.