Revenue Share Dapp Tech Document v1.0

Introduction :

Built a Revenue share application backed with smart contract that splits the revenue based on % shared of the partners.

Technology Stack :

- We use Ethereum Smart Contract written in solidity.
- The Contract compiled and deployed into Rinkeby test network.
- Contract Address : https://rinkeby.etherscan.io/address/0x1642cF220FE3e42B5ce70F5795d9fa1B78EB59d2
- For developing, compiling and deploying contract we used Browser solidity compiler
- For frontend development we have used HTML5, CSS and Javascript.
- To interact with the deployed contract from the frontend we have used Web3.js
- For signing transactions, We have used MetaMask browser wallet.

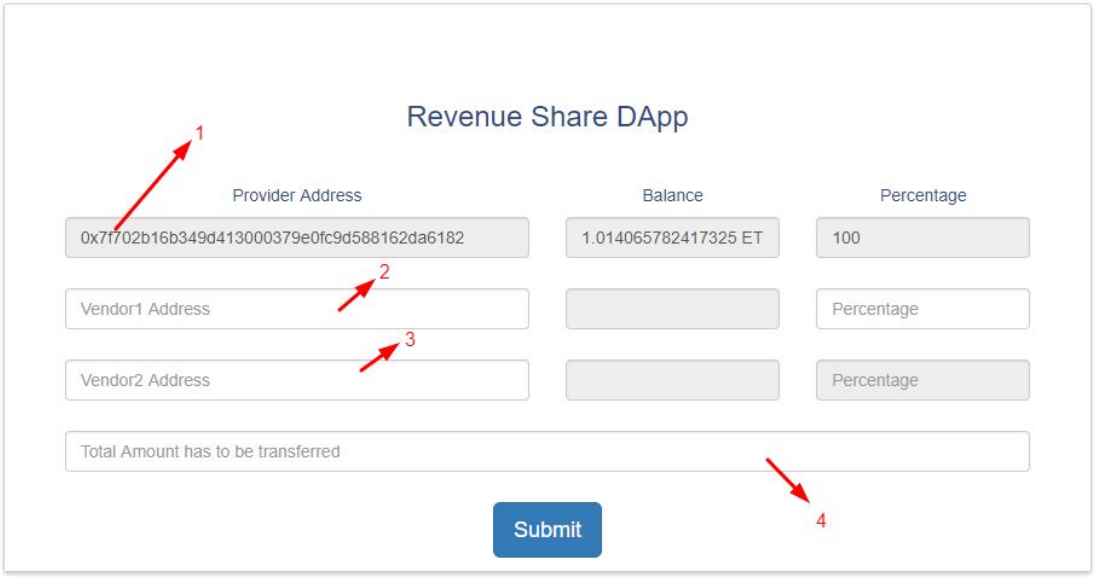
Source Code:

Source code hosted in following github repo
https://github.com/clustrexdev/revenueshare-web3-html5-metamask-dapp
The repo includes the following files for code reference.

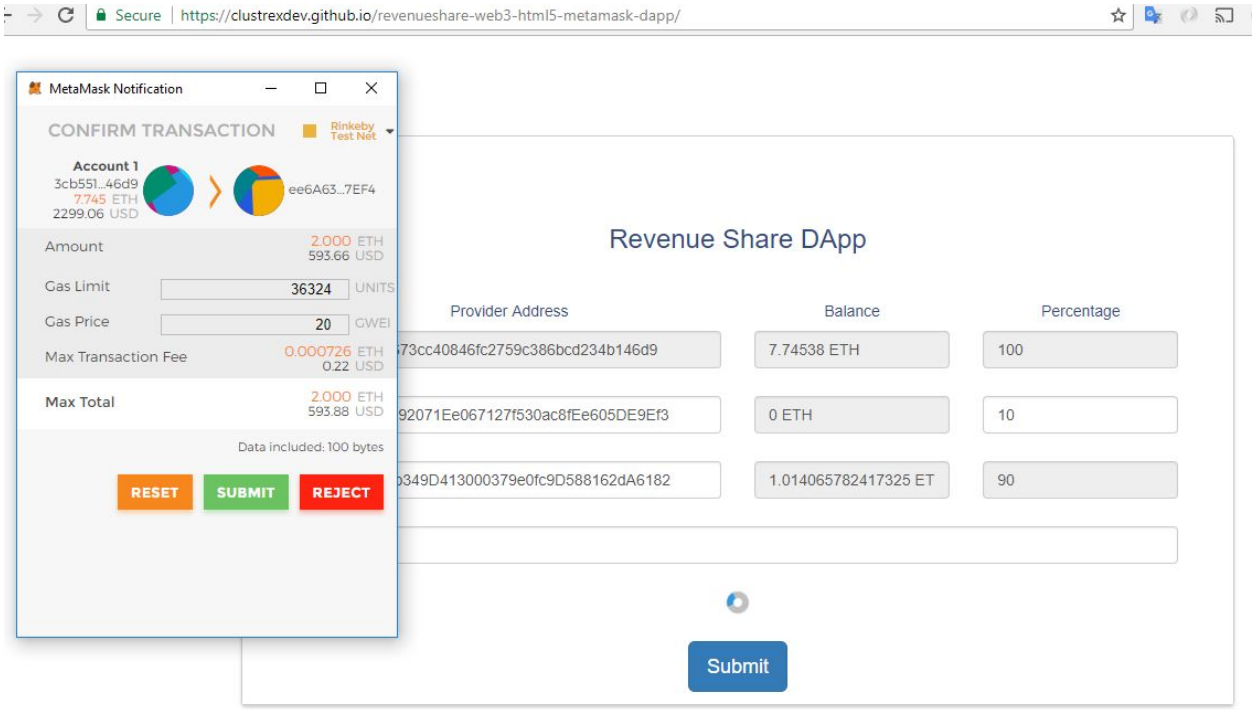
- index.html
- style.css
- script.js
- revenue.sol
- Revenue Share Dapp Tech Document v1.0.pdf

Demo:

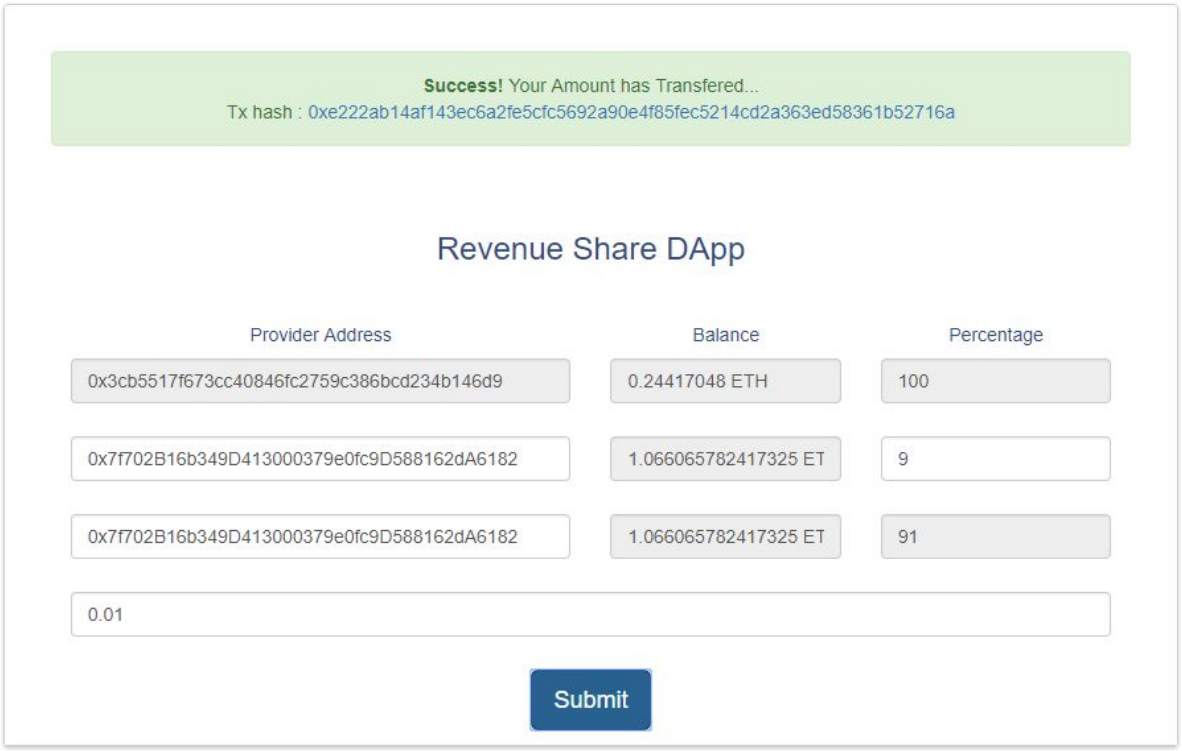
Demo application deployed in the below link
https://clustrexdev.github.io/revnueshare-web3-html5-metamask-dapp



1. Sender address by default app picks default Metamask account.
2. 1st stakeholder address and percentage of stake needs to be transferred.
3. 2nd stakeholder address and their balance and remaining percentage are automatically filled up.
4. Total ETH to be transferred.
5. Click submit button you will see Metamask popup and sign the transaction.



After successful transaction



Reference Links:

Solidity development : https://ethereum.org/token

Web3 : https://github.com/ethereum/web3.js/

MetaMask : https://github.com/MetaMask/faq/blob/master/DEVELOPERS.md