choquety

*Utilizing Blockchain for
Real Estate Title Transactions*

Documentation

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Summary:

Chocquety is an online real estate marketplace in which users can buy and sell houses using ethereum. Users can rely in the safety and privacy of a blockchain to keep track of real estate transactions. In our case, smart contracts replace the essence of a traditional paper title. No longer will home transactions take weeks or months, it is cut to minutes by using a blockchain and online marketplace. Users can rely on real time data, quick and easy transactions on their end, and security in their data.

Problem:

Typical real estate transactions take time. Sometimes people are in a rush to sell, or maybe a rush to buy. You need to wait on realtors or title companies to complete the transactions from start to finish. Our goal with **choquety** is to cut out all the now unnecessary middlemen that come with real estate transactions and link the buyer to the seller immediately, no questions asked. No title and escrow fees, properties can be sold as is, and sales can be closed in minutes, not weeks.

Solution:

We have implemented an instance of the Ethereum blockchain to keep track of and verify real estate transactions. We created a user-friendly interface that allows buyers to look through the homes available and ultimately purchase them on a secure network. We have implemented metamask and have been utilizing Truffle Framework to create choquety.

Technology Used:

Ganache:
- Our private localized instance of the Ethereum blockchain
- Every time a house is **purchased**, another block is added.
- Used to deploy contracts, develop our application, and run tests
- The RPC server is the same one that Metamask connects with on Chrome

Metamask:
- MetaMask is a bridge that allows you to visit the distributed web of tomorrow in your browser today. It allows you to run Ethereum dApps right in your browser without running a **full** Ethereum node
- If needed, we can make several different accounts for users to interact with choquety and purchase a home
- Connects with Ganache and **our** web app