Real Estate NFT Dapp

Technology Stack & Tools

- [Solidity](#) (Writing Smart Contracts & Tests)

- [Javascript](#) (React & Testing)

- [Hardhat](#) (Development Framework)

- [Ethers.js](#) (Blockchain Interaction)

- [React.js](#) (Frontend Framework)

- [NFT ERC 721](#) (Ethereum Request for Comments: creating non fungible tokens)

- [IPFS](#) (Interplanetary File System: distributed file storage)

- [Node.js](#) (back-end JavaScript runtime environment)

- [Metamask](#) (cryptocurrency wallet)

Setting Up

1. Install Dependencies:

$ npm install

2. Run tests

$ npx hardhat test

3. Start Hardhat node

$ npx hardhat node

4. Run deployment script

In a separate terminal execute: $ npx hardhat run ./scripts/deploy.js --network localhost

5. Start frontend

$ npm run start

Real Estate NFT

Escrow Contract

Down payment

Buyer

Sale Proceeds

SELLER

Loan

Lender

Inspector

Appraiser

→ Seller lists property
→ Buyer deposits earnset
→ Appraisal
→ Inspection
→ Lender approves
→ Lender funds
→ Transfer Ownership
→ Seller gets paid