ChainUrRents presentation

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ChainUrRents

- Property rental service that is powered by **Blockchain technology**
- Rental contracts are **Smart Contracts** on the Ethereum blockchain network, no middlemen are involved

Application

- Backend: NodeJS application
- Frontend: Angular 1.5
- Database: MongoDB
- `testrpc` - Simulates Ethereum network (for development and testing)
- `web3` - Ethereum Javascript API (to communicate with the Ethereum network, create contract and call contract functions)
- Repository - [http://tinyurl.com/chainurrentsrepo](http://tinyurl.com/chainurrentsrepo)
Blockchain contract model (Green is path that we will DEMO)

http://tinyurl.com/chainurnents
DEMO
Conclusion

- Interesting experience developing blockchain powered application
- Solidity is an easy language to learn, helps to write good contracts
- Once the contract was done, development process was very straightforward
- No time-based events on Blockchain (no notion of general time, only block generation time), so timed events are controlled with JavaScript
- We recommend to use an UNIX environment for development (setup is far more easier than on PC)
Thanks! Questions?