

# ChainUrRents presentation

Andreas Ellervee

Orlenys Lopez Pintado

Blockchain Seminar

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# ChainUrRents

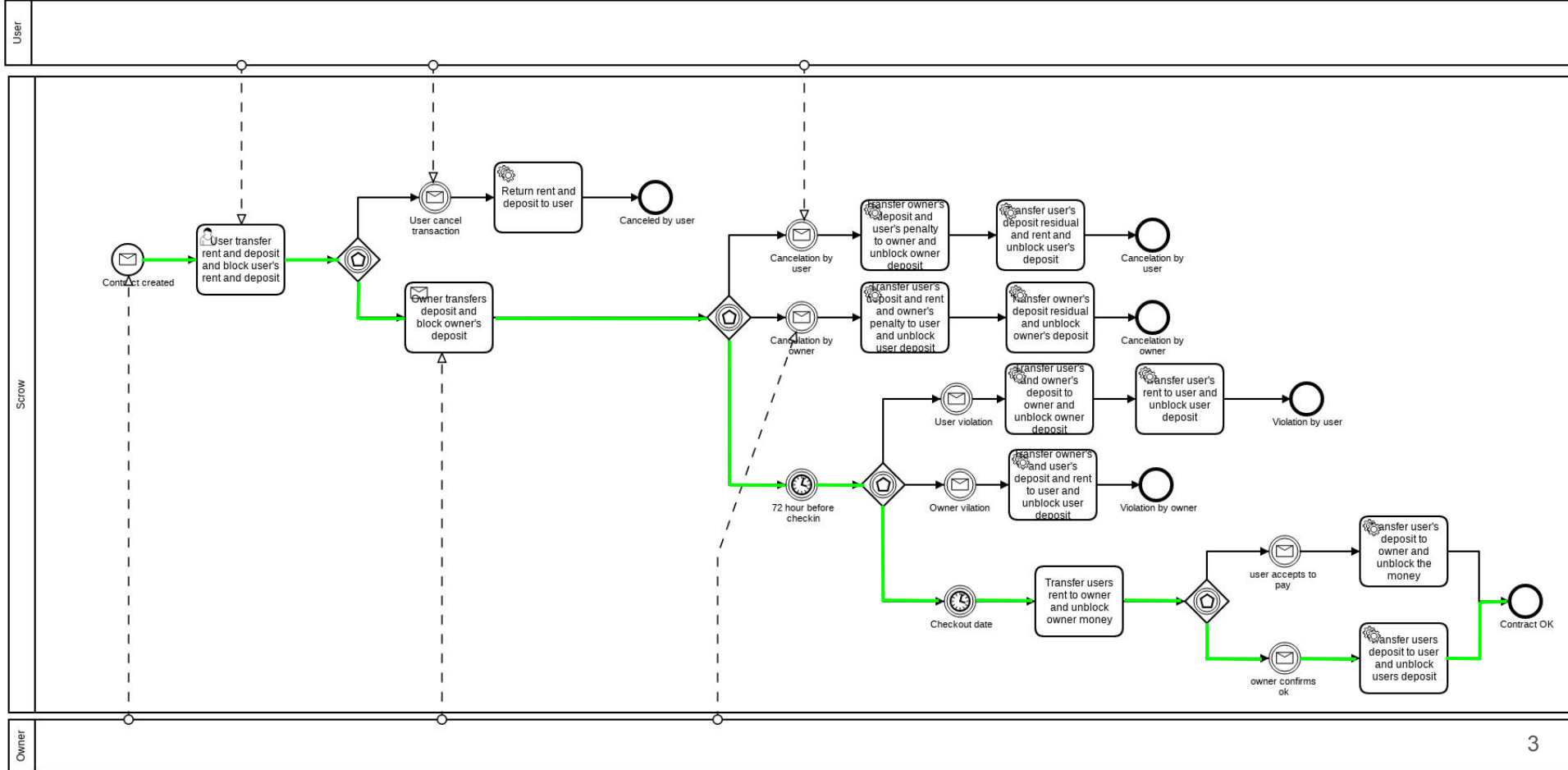
- Property rental service that is powered by **Blockchain technology**
- Rental contracts are **Smart Contracts** on the Ethereum blockchain network, no middlemen are involved

# 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>

# Blockchain contract model (Green is path that we will DEMO)

<http://tinyurl.com/chainurrents>



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 straight forward
- 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 ?