

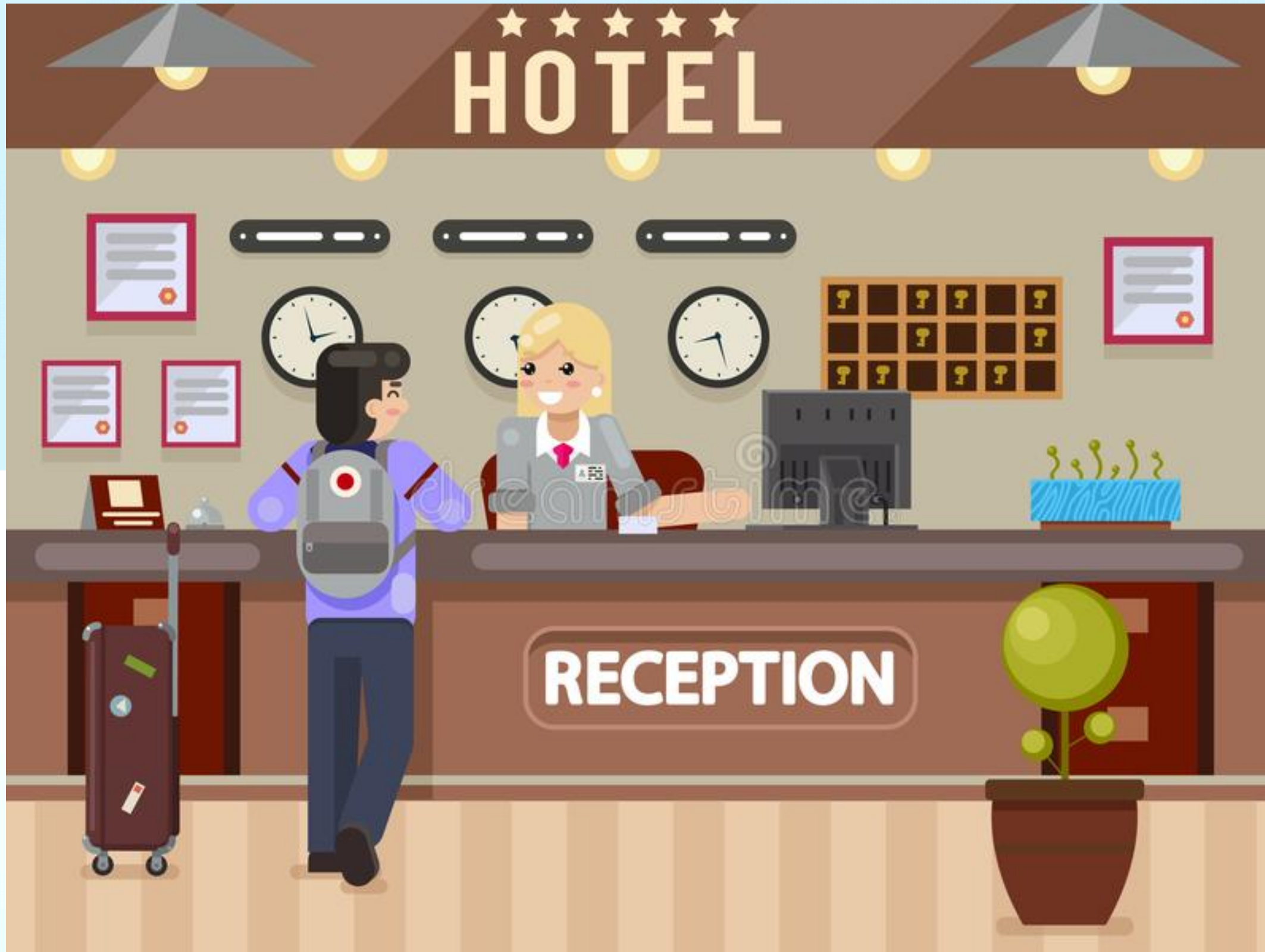


BLOCKSTAY

Blockchain-Based Hotel Access and Stream-Pay Rental Service

Kyle Huang, Harold Than, Rose Zhao (The BlockStreamers)

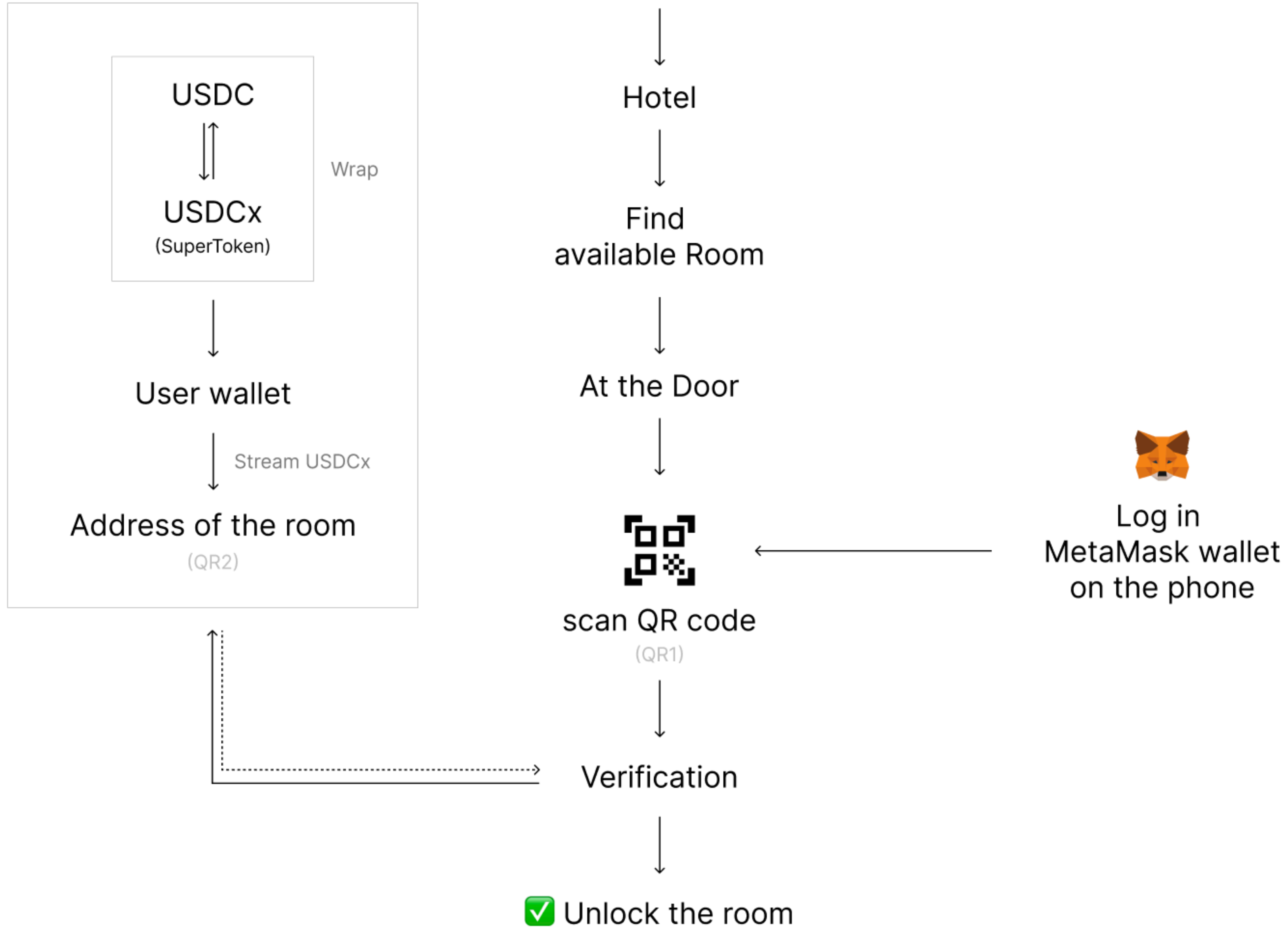
Problem





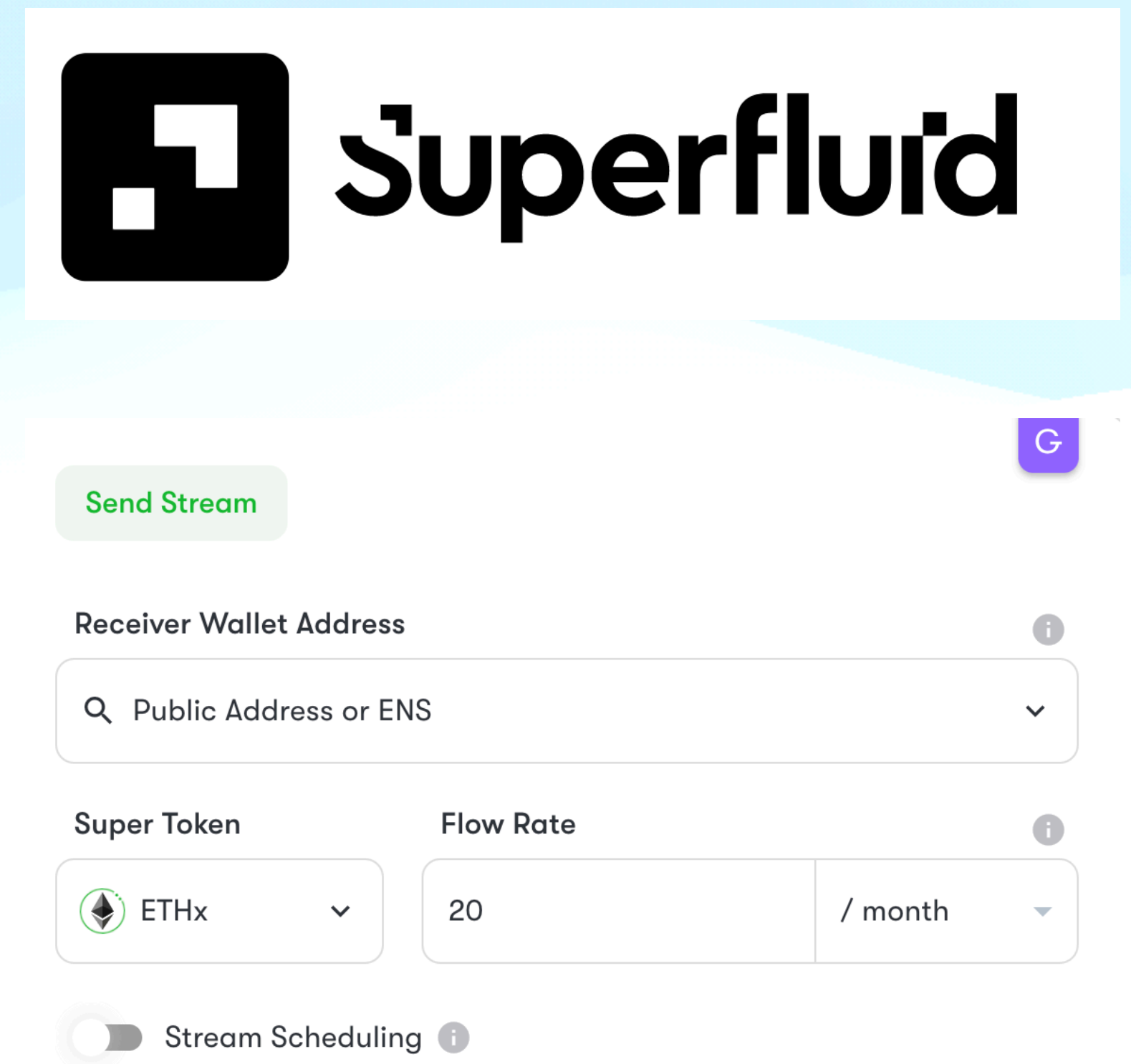
BLOCKSTAY

Blockchain-Based Hotel Access and Stream



Technology Flow

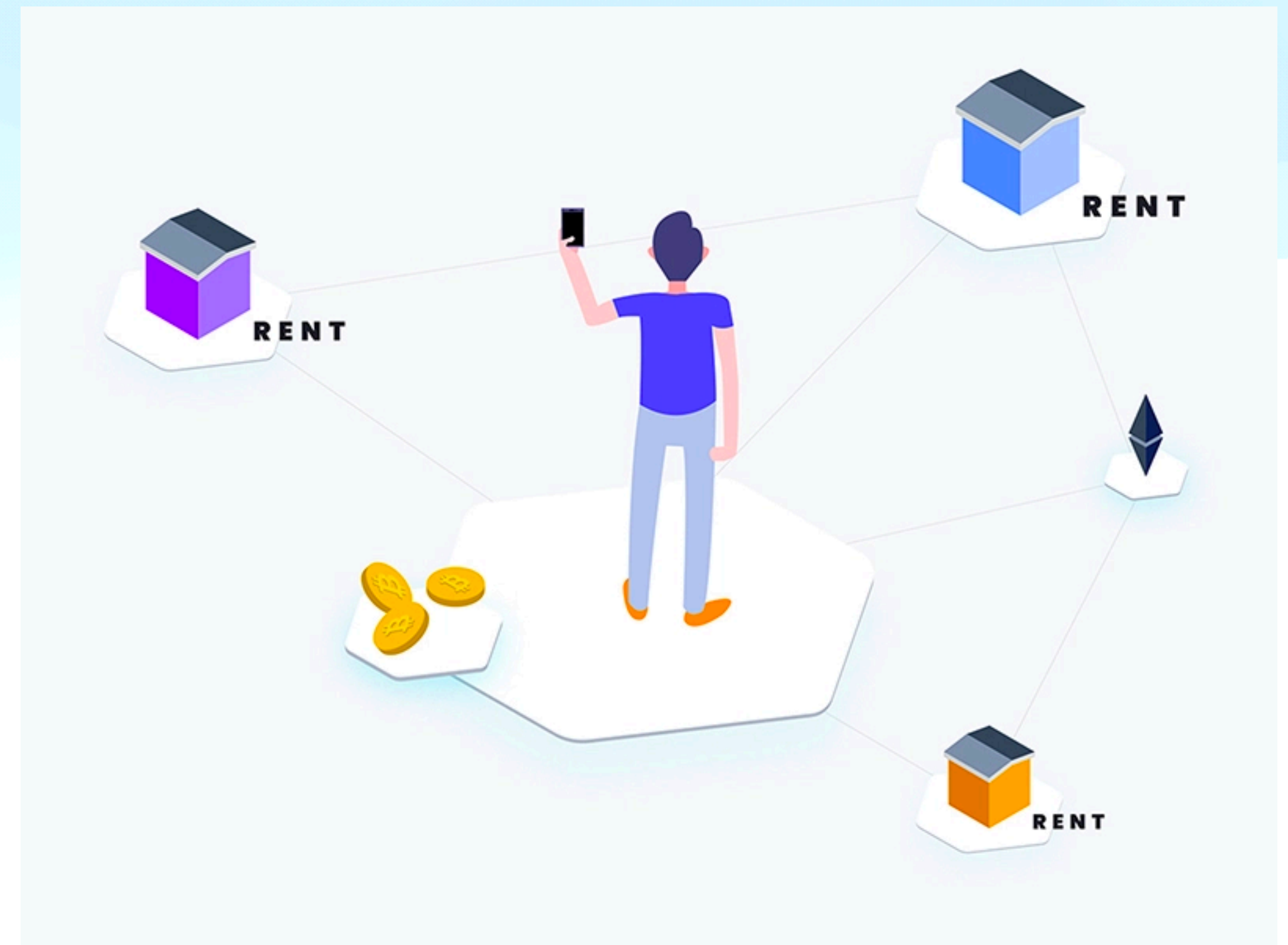
- Booking Process
 - Decentralized hotel booking platform using smart contract
- Payment and confirmation
 - Blockchain Wallet “Stream” Payment - built on top of Superfluid
 - Initiate recurring payments, paid out by the second
 - Traditional Banking cannot achieve that
 - Direct payment system with no specialized infrastructure cost
- Room Access
 - Smartphone app, IoT-enabled smart lock
 - Blockchain Wallet acts as secure ID-authentication



Stakeholder: blockchain rental services

benefits to property owners, renters, and the overall rental market

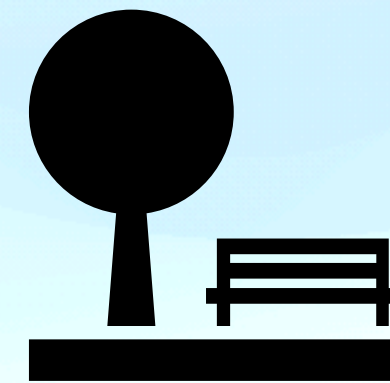
- To Owners:
 - Secure real-time transfer with no bank fees
 - Cost reduction (labor and infrastructure)
- To renters:
 - No pre-payment, flexible time subscriptions
 - Reduce check-in waiting time
 - Improve access security
 - Service Personalization
- Overall market:
 - Decentralization and user control
 - Transparency and trust



Impact: blockchain rental services

can revolutionize the way people access and manage rental properties, vehicles, and equipment

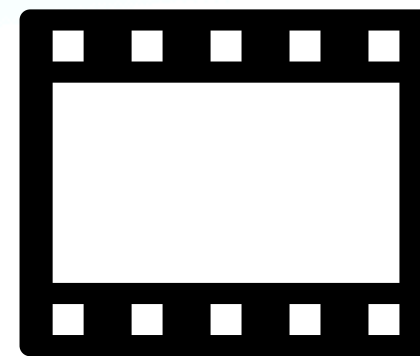
- Decentralized rental platforms
- Secure identity verification
- Transparent rental history
- Tokenized rental payments
- IoT and smart contracts
- Reward and loyalty programs



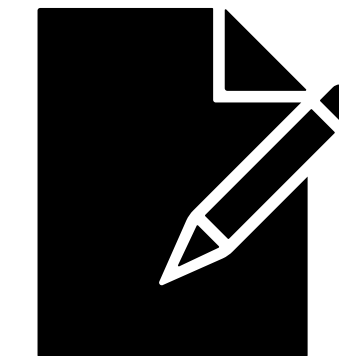
Parking Meter



Gym Membership



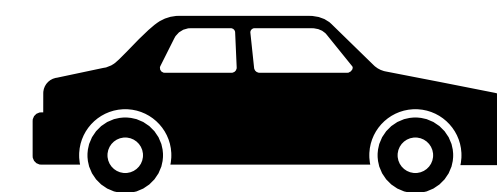
Online Services



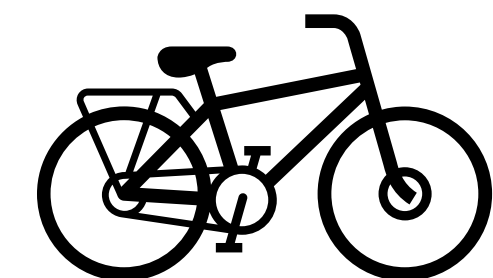
Insurance Contract



Apartment Rental



Rental Car



Shared Bike