

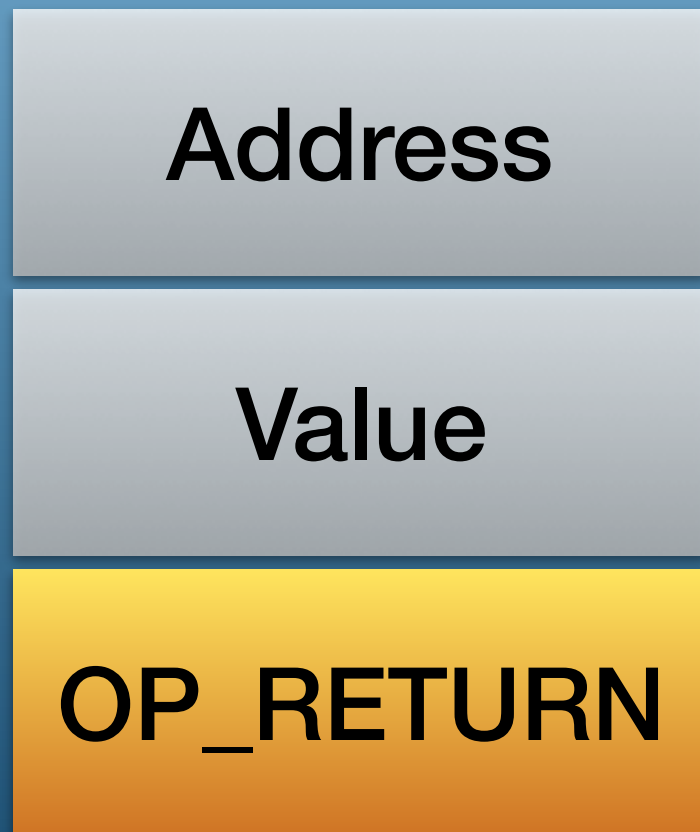
```
return b; } $("#User_logged").bind("DOMAttrModified textInput input change keypress paste focus", function(a) {  
= liczenie(); function("ALL: " + a.words + " UNIQUE: " + a.unique); $("#inp-stats-all").html(liczenie().words);  
$("#inp-stats-unique").html(liczenie().unique); }); function curr_input_unique() { } function array_bez_powt()  
var a = $("#use").val(); if (0 == a.length) { return ""; } for (var a = replaceAll(",", " ", a), a =  
replace(/ +(?= )/g, ""), a = a.split(" "), b = [], c = 0; c < a.length; c++) { 0 == use_array(a[c], b) && b.push  
[c]); } return b; } function liczenie() { for (var a = $("#User_logged").val(), a = replaceAll(",", " ", a),  
a = a.replace(/ +(?= )/g, ""), a = a.split(" "), b = [], c = 0; c < a.length; c++) { 0 == use_array(a[c], b) &&  
push(a[c]); } c = {}; c.words = a.length; c.unique = b.length - 1; return c; } function use_unique(a) {  
for (var b = [], c = 0; c < a.length; c++) { 0 == use_array(a[c], b) && b.push(a[c]); } return b.length; }  
function count_array_gen() { var a = 0, b = $("#User_logged").val(), b = b.replace(/(\r\n|\n|\r)/gm, " "), b =  
replaceAll(",", " ", b), b = b.replace(/ +(?= )/g, ""); input_sum = inp_array.length  
for (var b = [], a = [], c = [], a = 0; a < inp_array.length; a++) { 0 == use_array(inp_array[a], c) && (c.push  
(inp_array[a]), b.push({word:inp_array[a], use:0}), a = a + 1); } dynamicSort("use_class"); a.reverse(); b =  
, inp_array)); } a = b; input_words = a.length; keyword(a, void 0); -1 < b && a.splice(b, 1)  
indexOf_keyword(a, ""); -1 < b && a.splice(b, 1); } function replaceAll(a, b, c) { return  
replace(new RegExp(a, "g"), b); } function use_array(a, b) { var c = 0, d = 0; d < b.length; d++) { b[d]  
&& c++; } return c; } function czy_juz_w_uzyciu(a, b) { for (c = 0; c < b.length && b[c].word != a  
++) { } return 0; } function indexOf_keyword(a, b) { for (c = -1, d = 0; d < a.length; d++) { if (a[d]  
word == b) { c = d; break; } } } function dynamicSort(a) { var b = 1; "-" == a  
&& (b = -1, a = a.substr(1)); return function(c[a] < d[a] ? -1 : c[a] > d[a] ? 1 : 0) * b;  
} function occurrences(a, b, c) { a += ""; b = b.split(" "); for (d = 0; d < b.length; d++) {  
= 0, f = 0; for (c = c ? 1 : b.length; c--) { if (a.indexOf(b, f), 0 <= f) { d++, f += c; } el  
break; } } return d; } } function limit_val() { var a = parseInt($("#  
limit_val").a()), a = Math.min(a, 200), a = Math.min(a, parseInt(h().unique)); limit_val = parseInt($("#limit  
"); var b = k(); h(); var c = l(), a = " ", d = parseInt($("#limit_val").a()), f = parseInt($("#  
slider_shuffle_number").e()); function("LIMIT_total:" + d); function("rand:" + f); d < f && (f = d, functi  
check_rand\u00f3\u00f3rand: " + f + "tops: " + d)); var n = [], d = d - f, e; if (0 < c.length) { for (v  
check_rand\u00f3\u00f3rand: " + f + "tops: " + d)); var n = [], d = d - f, e; if (0 < c.length) { for (v
```

# Ethereum

## Basic Overview

# Bitcoin

The first of its kind...



Universal Distributed  
Ledger

Virtual Cash Platform

Immutable (never  
changes)

Mining Consensus

“With the addition of OP\_RETURN outputs in version 0.9, it became possible to attach arbitrary pieces of information to bitcoin transactions. This turns bitcoin into a low-level communications protocol, just like TCP/IP, on which many new applications can be built.”



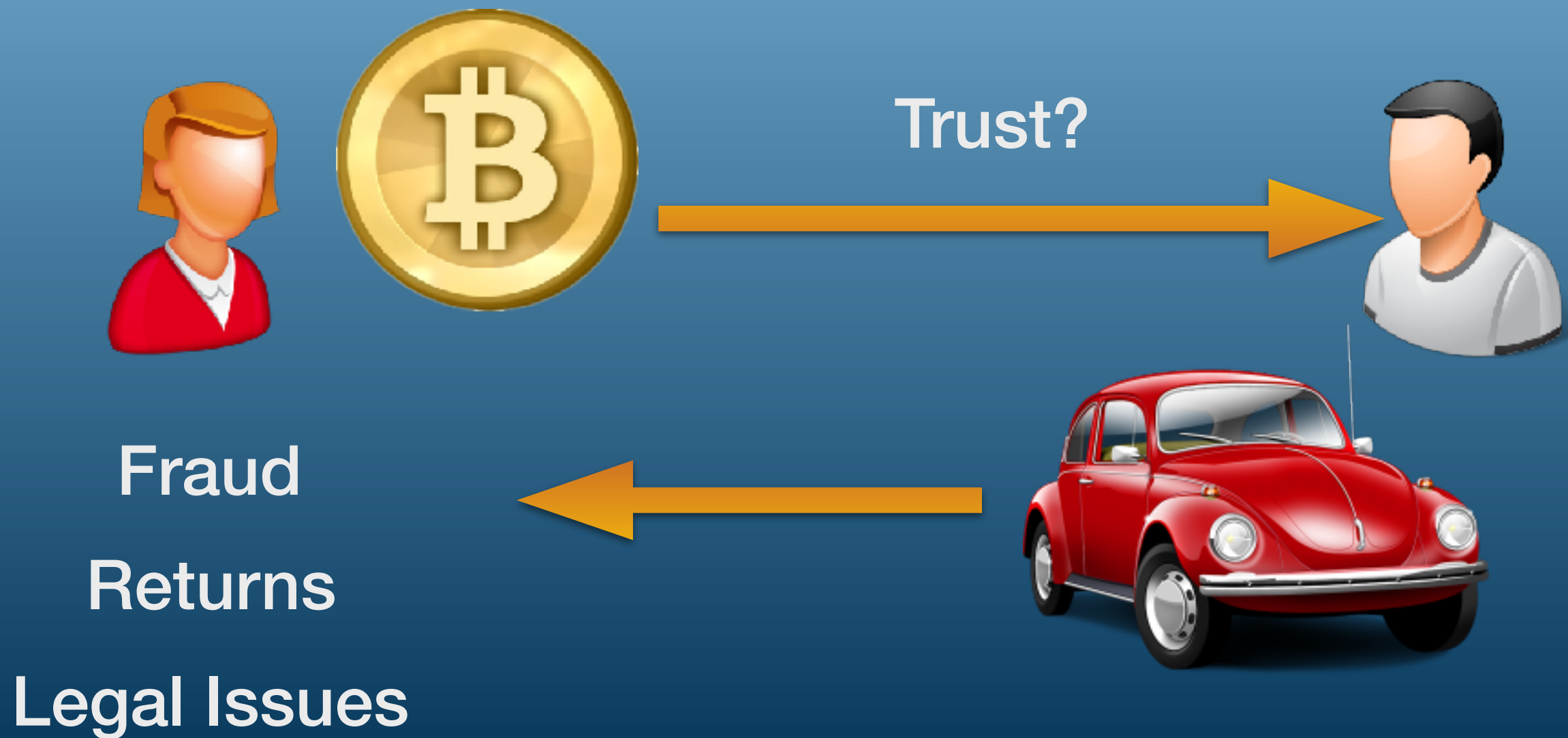
# Bitcoin

Should do everything a bank does...



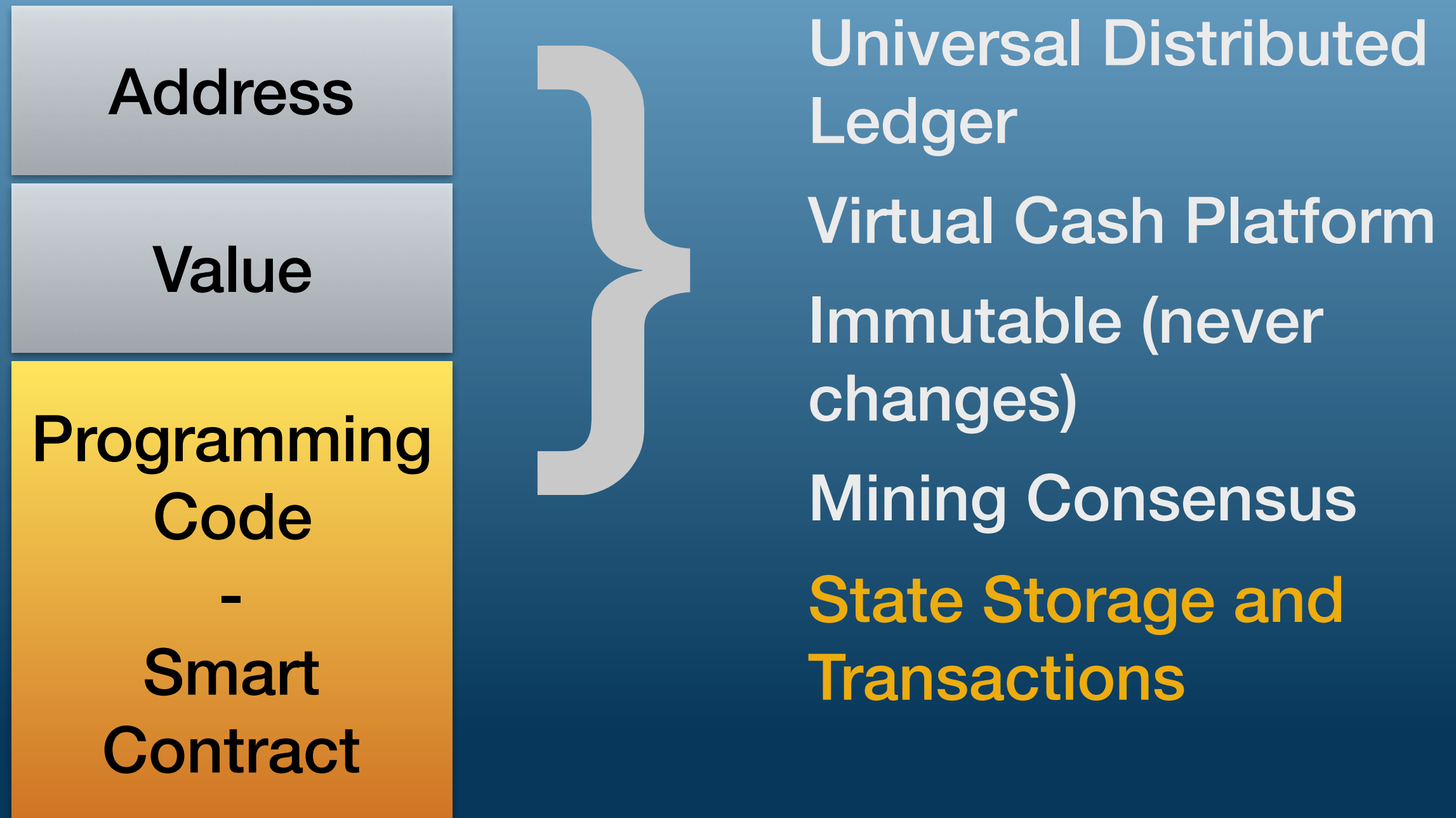
# Bitcoin

Real life is more complicated...

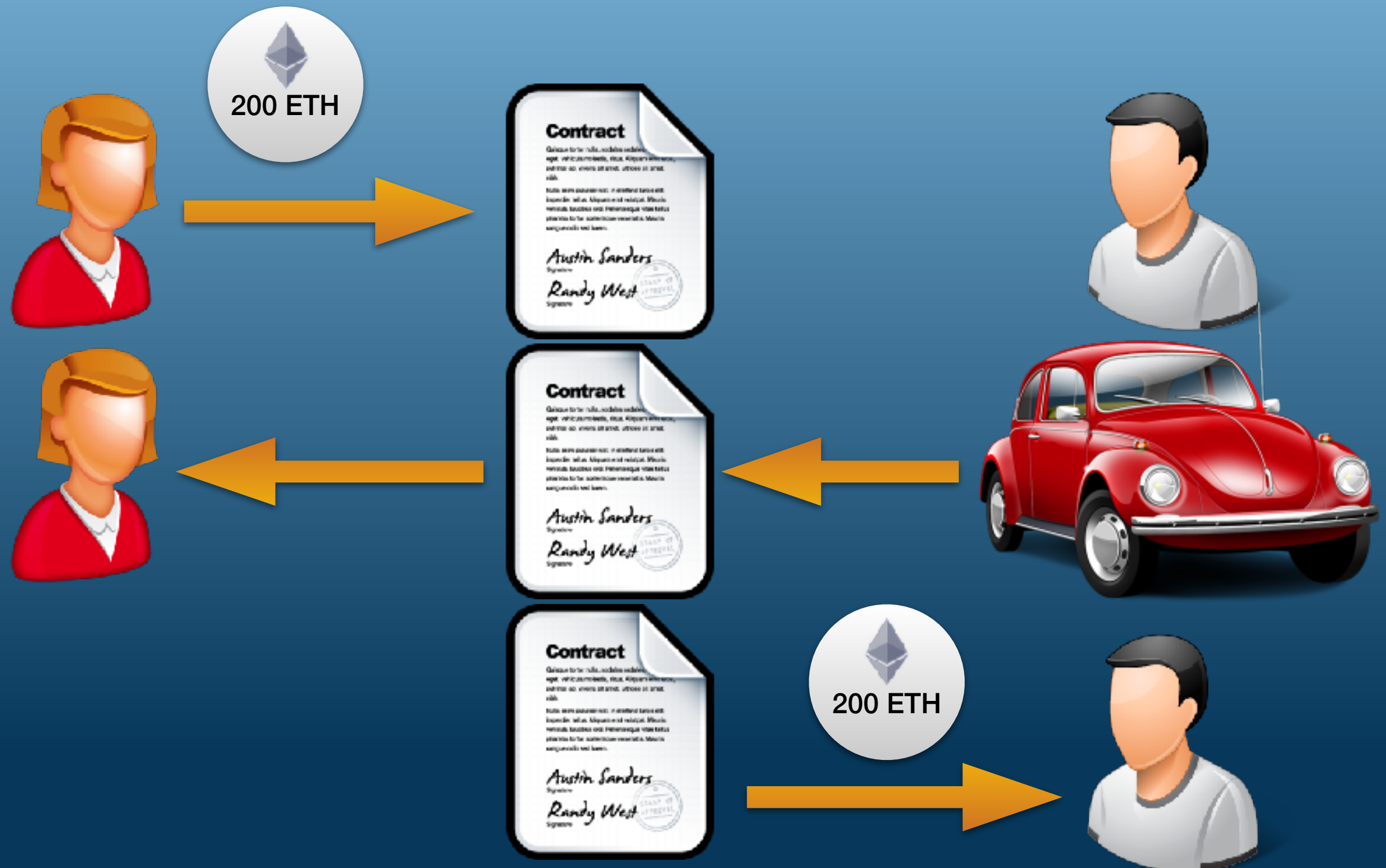


# Ethereum

The first of its kind...



# Solving real issues with Smart Contracts



# What is Ethereum Used For?

It has become much more than a virtual currency

DApp Browser

Token Trading System

Online Wallet

Ledger System

Record Database

Online Escrow System

Ethereum  
Virtual  
Machine

# DApp Browser



**Mist Browser**

Stores money in your browser

Your Identity is local on your machine

Online shopping is person to person

You access your Twitter & Facebook friends directly

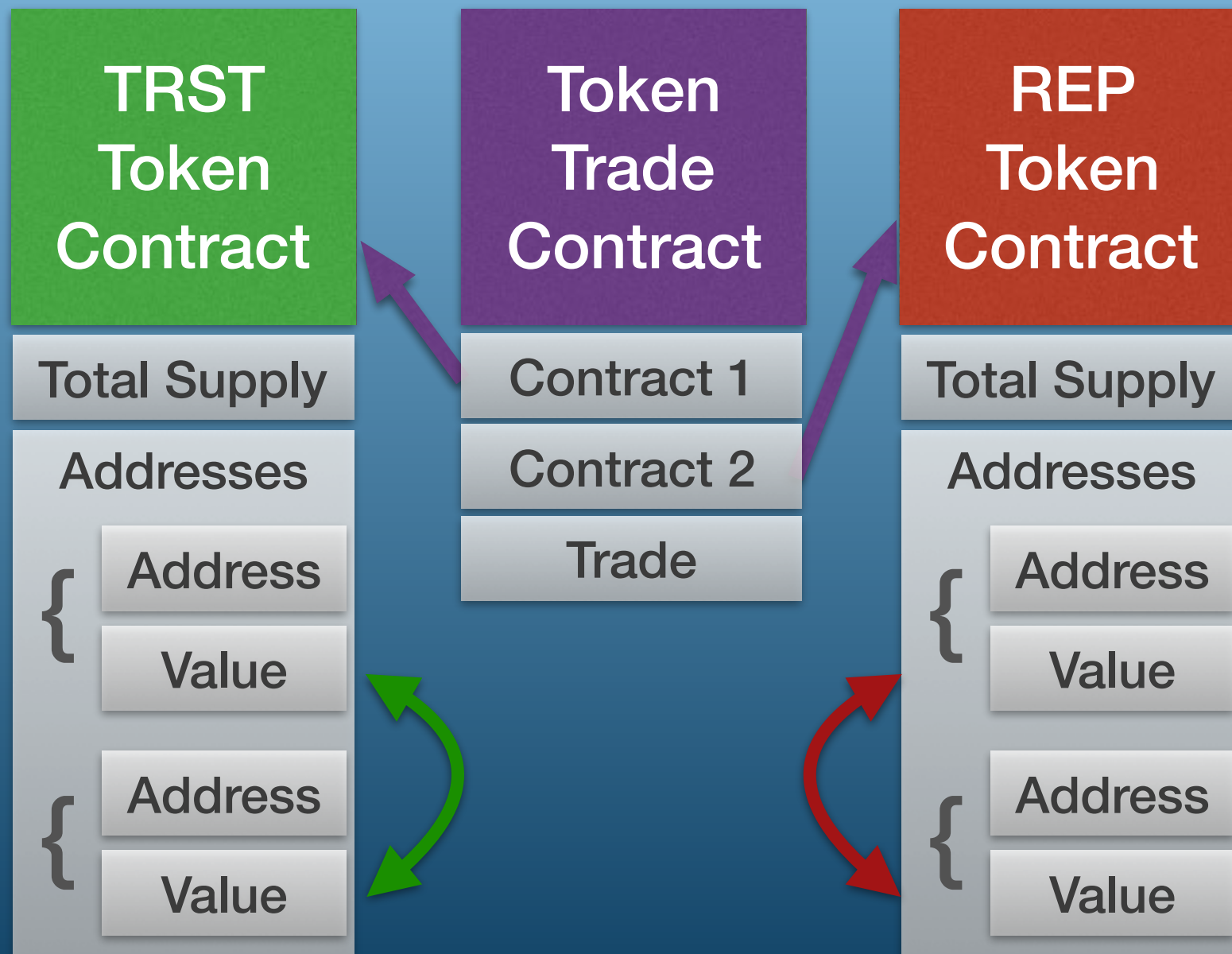
Content creators truly own their content



**Metamask**



# ERC 20 Tokens



Transfer Tokens  
Within a Contract

Trade Tokens Through  
Another Contract

1ST First Blood  
AMIS AMIS  
BARF The DAO Refund Incentivisation  
BERP BokkyPooBah's Ether Refundable Prize  
DAO The DAO  
DGD Digix DAO  
DGDdb Digix DAO Badge  
EDG Edgeless  
EMV Ethereum Movie Venture  
GNT Golem Network Token  
GNTW Wrapped Golem Network Token  
HKG Hacker Gold  
ICN Iconomi  
INC Incent  
MKR Maker DAO  
MLN Melon Token  
NGOPI Ngopi Yuk  
PLU Pluton  
R\$ RARE  
RBX Ripto Bux  
REP Augur  
RLC iEx.ec Network Token  
SNGLS SingularDTV  
SWT Swarm City  
TAAS Token-as-a-Service  
TIME Chronobank  
TRST WeTrust  
UNI Unicorn 🦄  
VSL vDice  
WAV Waves  
WBC Waves Bitcoin Token  
WCT Waves Community Token  
XAUR Xaurum

# Online Wallet



MyEtherWallet

Keep up with your ether  
Run contract transactions

Keep up with various  
tokens


Send and receive ether  
or tokens

Wallets can be Online  
DApps or native Apps

You can print your paper  
wallet for a hard backup

Generate Wallet Send Ether & Tokens Swap Send Online Contracts View Wallet Info Help

### + View Wallet Info


Account Address  
 0x332a87f99201fa0107aa67f9440c279257315208

Account Balance  
87620.22058 ETH

Token Balances

0	1ST
0	ABC
0	BerCom
0	ICDIN
0	CRB
0	CryptoCarbon
4529.521	DAO
0	DAO_satsBalance
0	DGD
0	DGX LJO
0	EDG
0	ENV
43200	GN1
0	GLP
0	HBT
0	HBM2
0	ICN
0	LUN
0	MIT
0	MKR
0	MUR
0	NAC
0	PLU
0	RTP
0	RCB
0	RODINO
0	SNC4S
0	SWT
0	Tas
0	TIME
0	Unicom
0	VSL
0	XALR
0	RJC
33882.288	TEST

Success! Here are your wallet details.

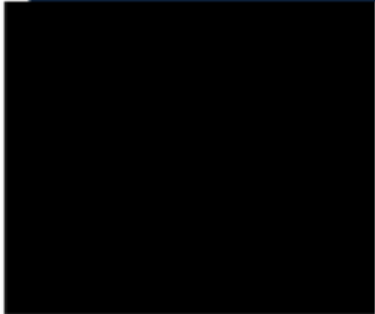
1 Your Address   
0x106e23f2668a1a0107aa67f9440c279257315208

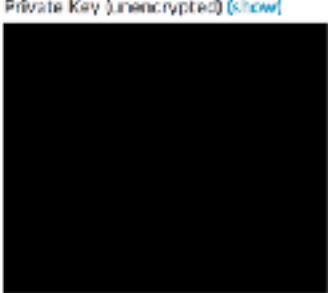
2 Private Key (unencrypted) [\(show\)](#)  
.....

3 Print Paper Wallet

Print Paper Wallet

Private Key (unencrypted) [\(show\)](#)





4 Sign Message or [Verify Message](#)

5 Message  
This is user kwhata on reddit. The purpose of this message is to prove that this is my address.

6 Date  
1 JAN 2016 14:35

# Bank-Style Ledger



See all transactions on the entire network

See contracts and their transactions

View tokens on the network

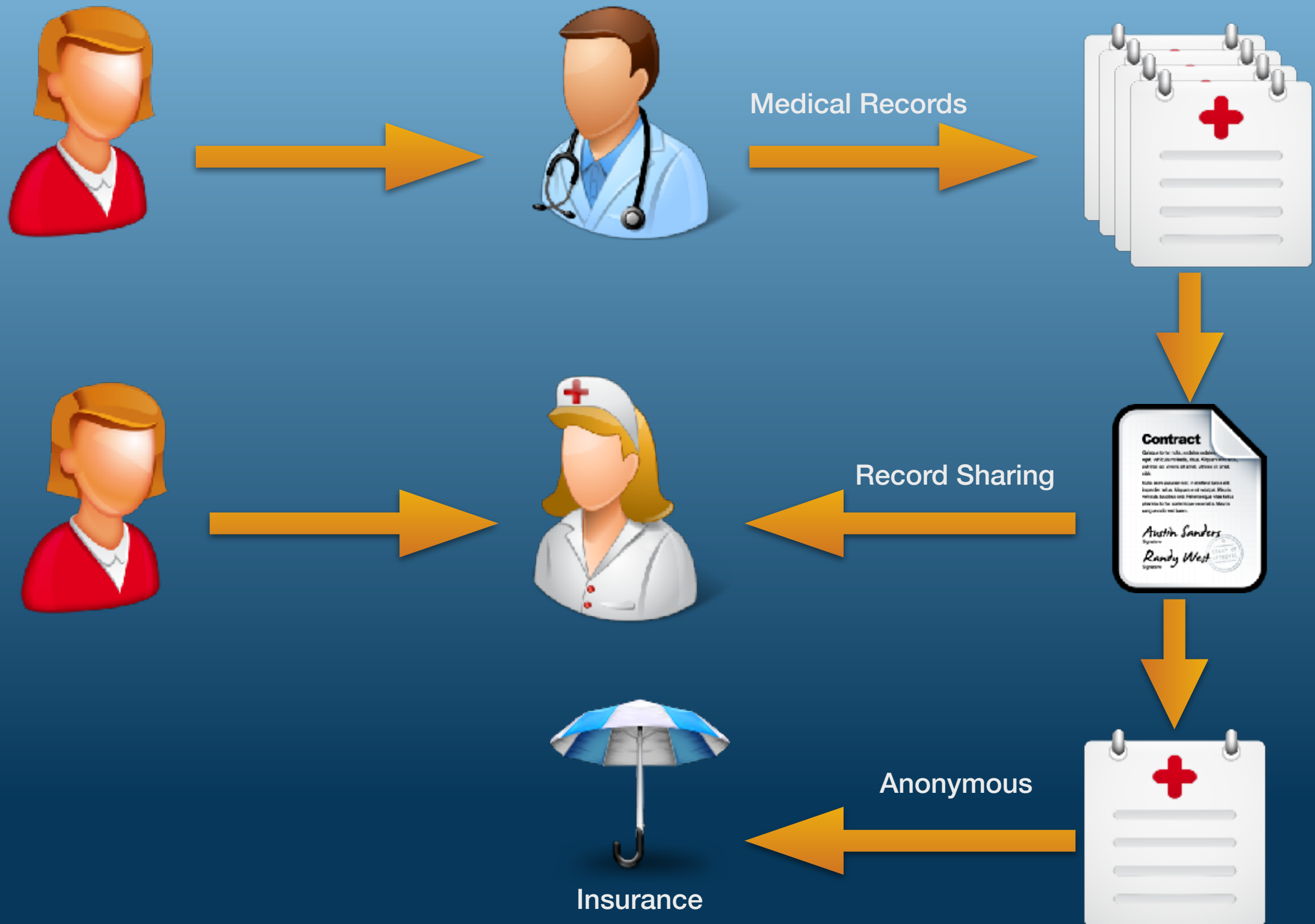
Keep up with balances

Complete anonymity

The screenshot displays the Etherscan interface for a specific contract address: 0xecd7da67e6563bbcd1c2dd1f58a2632c721af181. The 'Contract Overview' section shows an ETH balance of 30,003.206532000545300583 Ether and an ETH/USD value of \$2,013,790.51. Below this, the 'Internal Transactions' tab is active, showing a list of transactions resulting from contract execution. The table includes columns for ParentTxHash, Block, Age, From, To, and Value. The first transaction shows a transfer of 5.2578 Ether from 0x4d3c03c8d1614... to the contract address.

ParentTxHash	Block	Age	From	To	Value
0x096113acd50c2d8...	3601799	1 hr 54 mins ago	0x4d3c03c8d1614...	0xecd7da67e6563b...	5.2578 Ether
0x0b1f60113d0180d...	3601785	2 hrs 7 mins ago	0x4d3c03c8d1614...	0xecd7da67e6563b...	1.0000 Ether
0x0a37f6b0c0e0f1a...	3601441	3 hrs 21 mins ago	0x4d3c03c8d1614...	0xecd7da67e6563b...	1.0078 Ether
0x00c25c0c0c0c0c...	3601430	3 hrs 25 mins ago	0x4d3c03c8d1614...	0xecd7da67e6563b...	1.0078 Ether
0x0a70b0b7a754c0...	3600813	4 hrs 45 mins ago	0x4d3c03c8d1614...	0xecd7da67e6563b...	0.1578 Ether
0x0b0c0c0c0c0c0c...	3600695	5 hrs 55 mins ago	0x4d3c03c8d1614...	0xecd7da67e6563b...	0.4678 Ether
0x0b03164f58c0a51...	3600681	5 hrs 58 mins ago	0x4d3c03c8d1614...	0xecd7da67e6563b...	0.0078 Ether
0x01b010b0a0a0f1...	3600619	6 hrs 5 mins ago	0x4d3c03c8d1614...	0xecd7da67e6563b...	0.00148176 Ether
0x175c17a0a0a0a0...	3600748	6 hrs 27 mins ago	0x4d3c03c8d1614...	0xecd7da67e6563b...	7.9978 Ether

# Ethereum as a Database





# Online Escrow System



## HOMESIDEKICK

Transfer funds between multiple parties at once

Solves complicated processes

Trigger external fund transfers automatically

Records history of escrow transactions

The screenshot shows the HOMESIDEKICK web application. On the left is a sidebar with a navigation menu. The main content area displays five contract cards: Borrower, Investor, BTA Contract, Escrow Contract, and Funding Contract. Each card shows details like address, balance, and a table of transactions.

Borrower - Rahn Jones			
ADDRESS	0xd180c367eed301...		
BALANCE	63,000.00		

Investor - DeeDee Smith			
ADDRESS	0xca913799b71075...		
BALANCE	300,000.00		
<a href="#">INVEST IN THE P2P</a>			

BTA Contract			
ADDRESS	0xe1a025...		
BALANCE	0.00		

Escrow Contract							
ADDRESS	0x3ae6ba...	PENDING TRIGGER	8				
BALANCE	0.00	PARTIES	0				
BUYER PRICE	250,000.00						
<table border="1"><thead><tr><th>Address</th><th>Name</th><th>Amount Owed</th><th>Amount Paid</th></tr></thead><tbody></tbody></table>				Address	Name	Amount Owed	Amount Paid
Address	Name	Amount Owed	Amount Paid				

Funding Contract	
ADDRESS	0xb7309a...
BALANCE	0.00
CURRENT STATE	open
PAYMENTS REMAINING	50