DR. ANDRAS RUNG

Ergomania CEO-owner

BLOCKCHAIN INTERFACES THAT MATCH USERS' NEEDS



Leading digital product design team in Budapest 16 years of experience

OUR CUSTOMERS









 $\mathbf{T} \cdots \mathbf{Systems} \cdots$







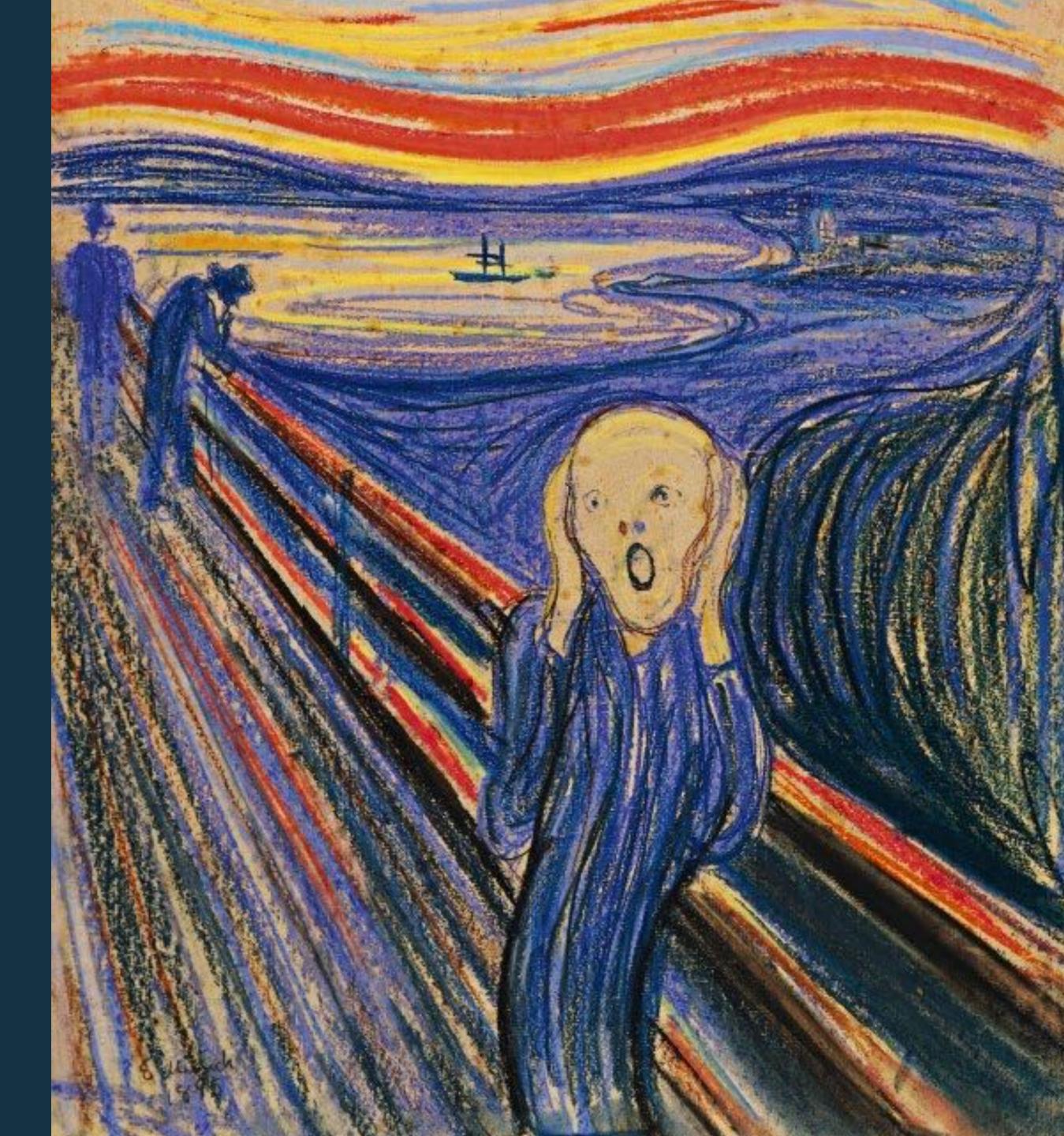




FEAR OF THE UNKOWN

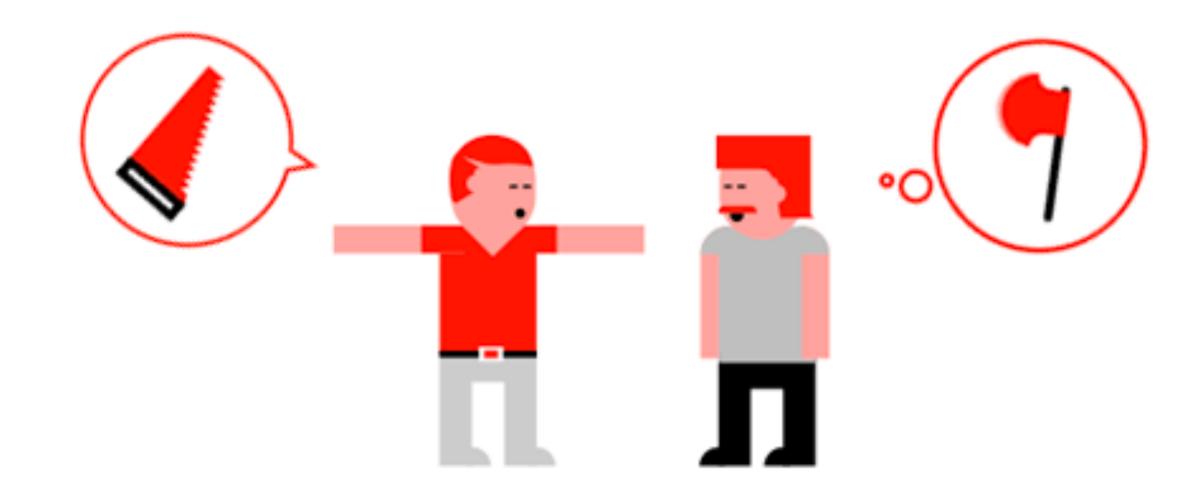
- Unclear benefits
- Non-matching mental models
- Terrible UX





WHAT ARE MENTAL MODELS?

- Relatively precise mental image of our regular activities
- Defines how we interact with known processes or with something similar to them
- Formed by our earlier experiences
- Typical financial activities also based on mental models:
 - Swipe bankcard
 - Send money
 - Take out money from ATM

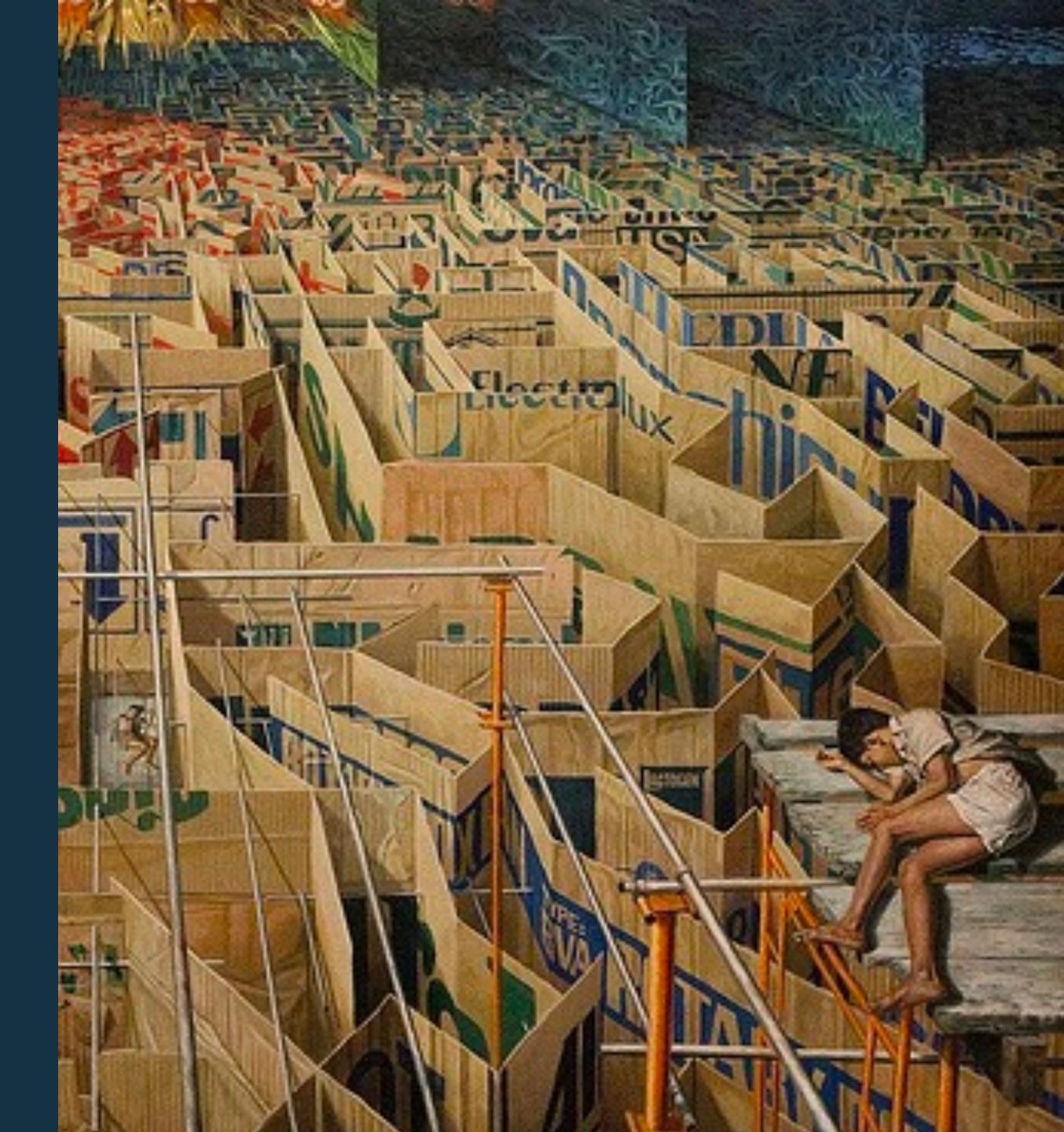




MENTAL MODEL FOR CRYPTOCURRENCIES?

- No proper model
- Reality is too complicated
- No real rutine (e.g torrenting 10 years ago)
- Far removed from our financial habits
- Teenagers will have earlier mental model for cryptocurrencies than for standard banking





SIMILIARITIES TO REAL MONEY

- Can be transferred
- Can be exchanged
- Represents value
- Bankers are the miners





HOW CRYPTOCURRENCIES DIFFER?

- Starts with a lot of 0s
- Addresses cannot be spoken or memorised
- Mistakes are easy to make
- Sending fees are changing
- Inheritance is complicated





ONBOARDING

- Education is needed due to radical innovation
- Differences should be emphasised
- Progressing in steps
- Active guidance: hints, tooltips
- All secenarios should be covered



WALLET SETUP

Okay. Let's set up your wallet!

Do you already have a seed that you would like to use?



The IOTA seed is like the username and password to your account, combined into one string of characters. You can use this to access your funds from any wallet, on any device.

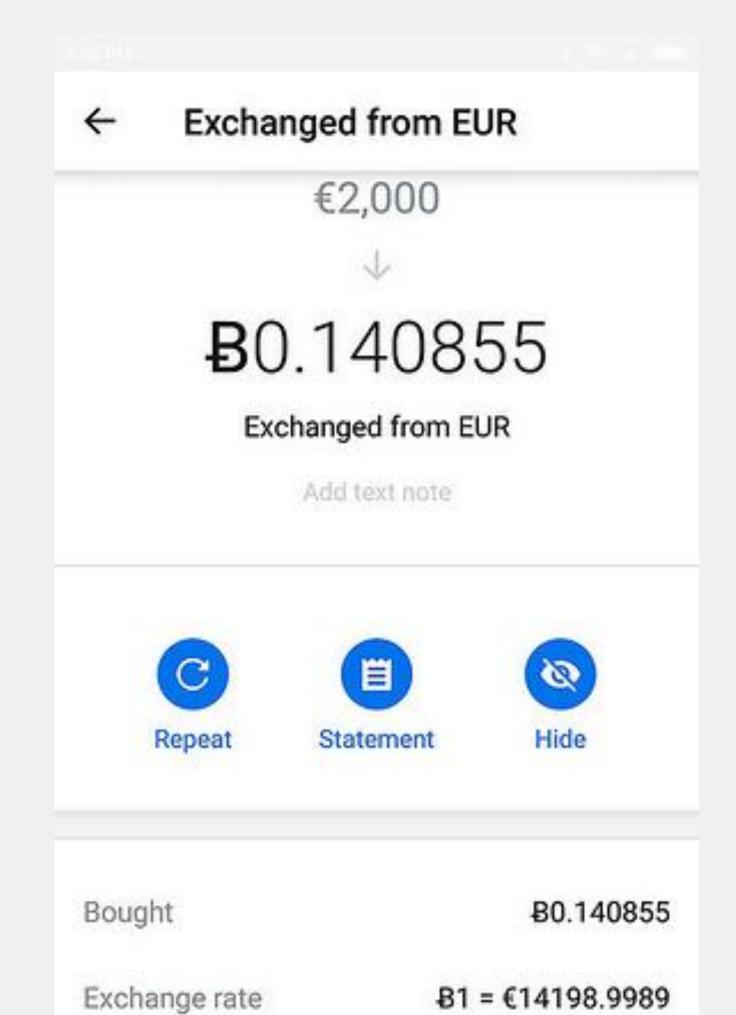
YES - I have a seed

NO - I need a new seed



COMMUNICATION

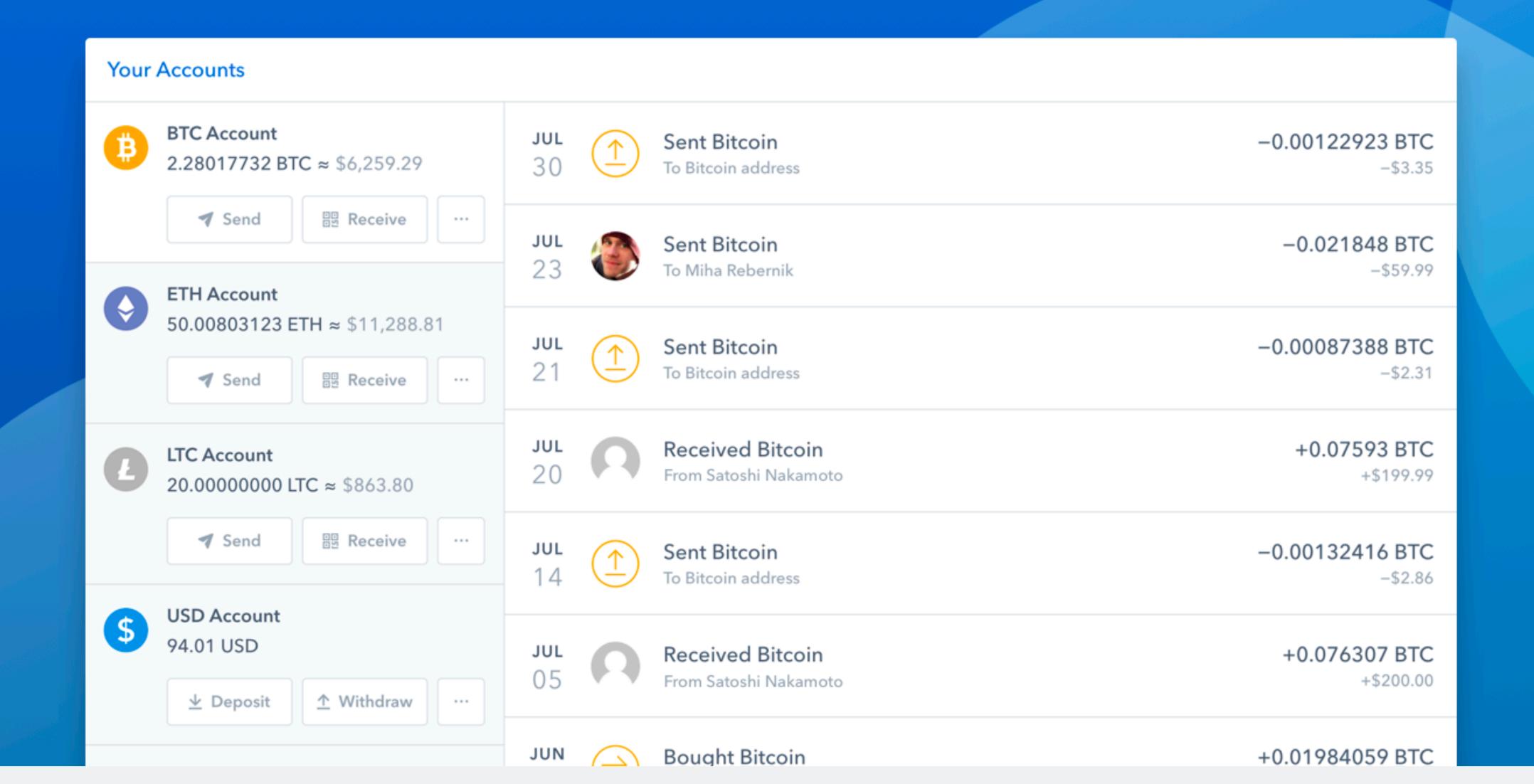
- Be clear and current
- Explain the next steps
- Help users understand the current stage
- Humanise the conversation: Telex AI chatbot / voicebot

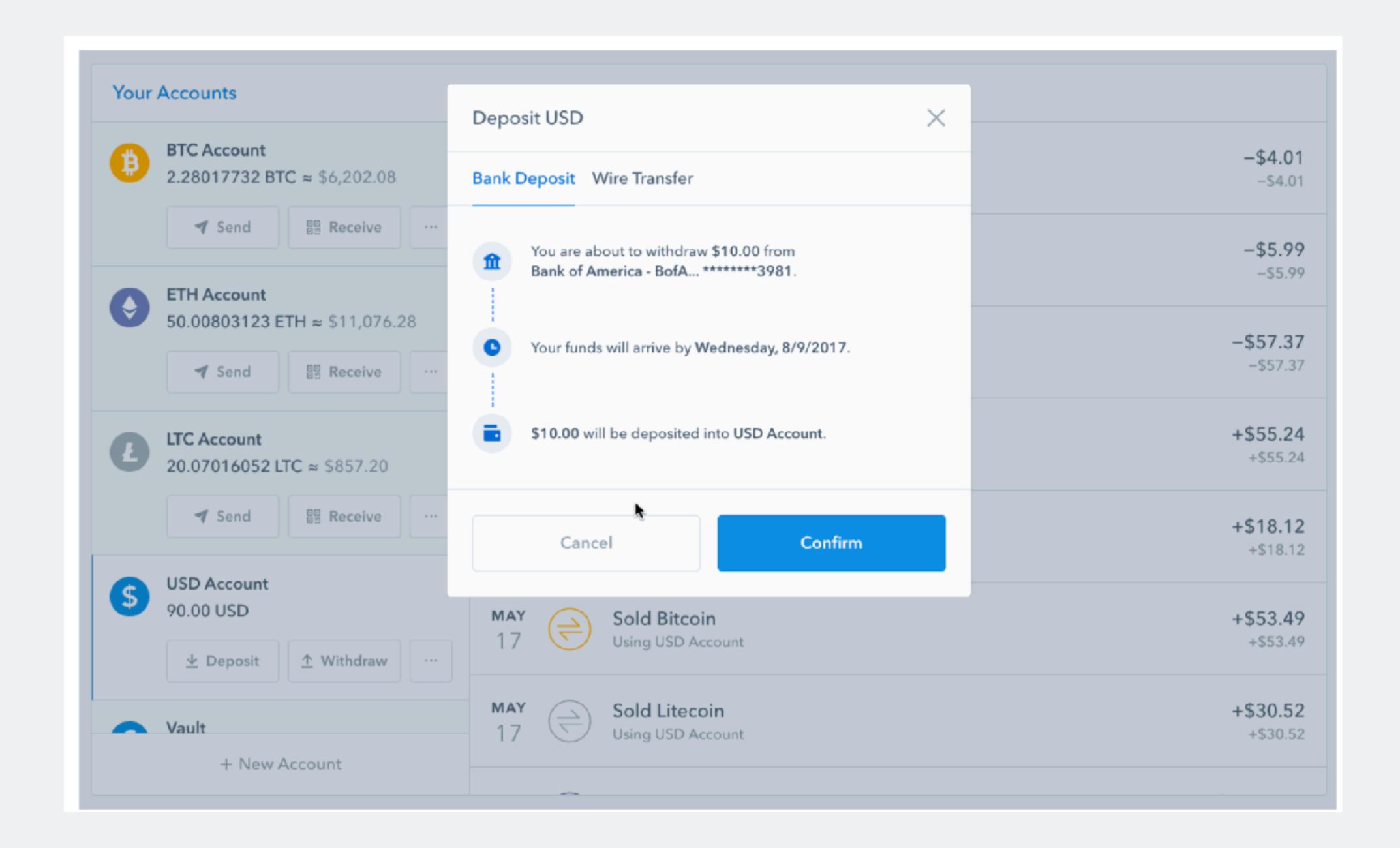


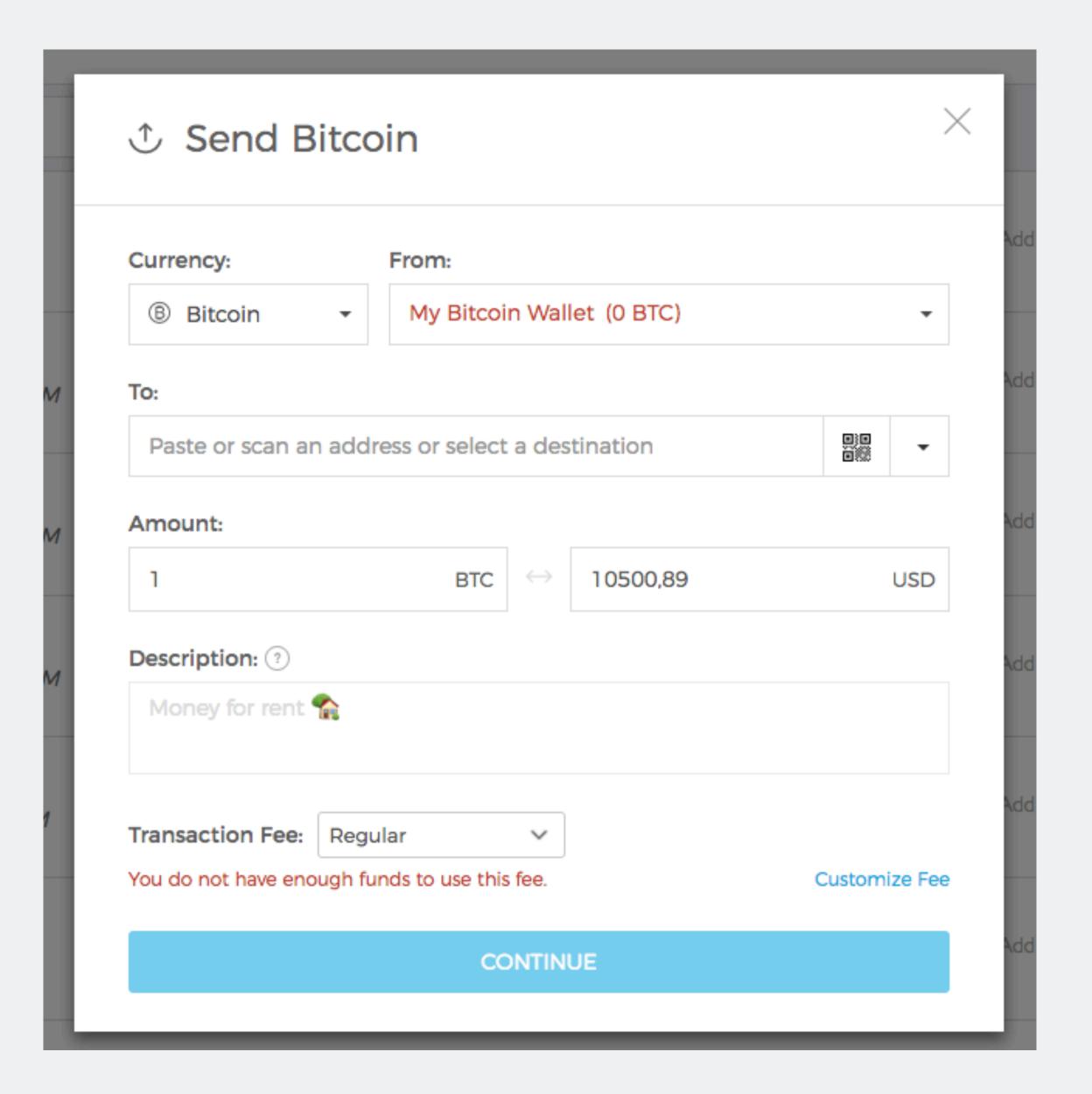
Fee

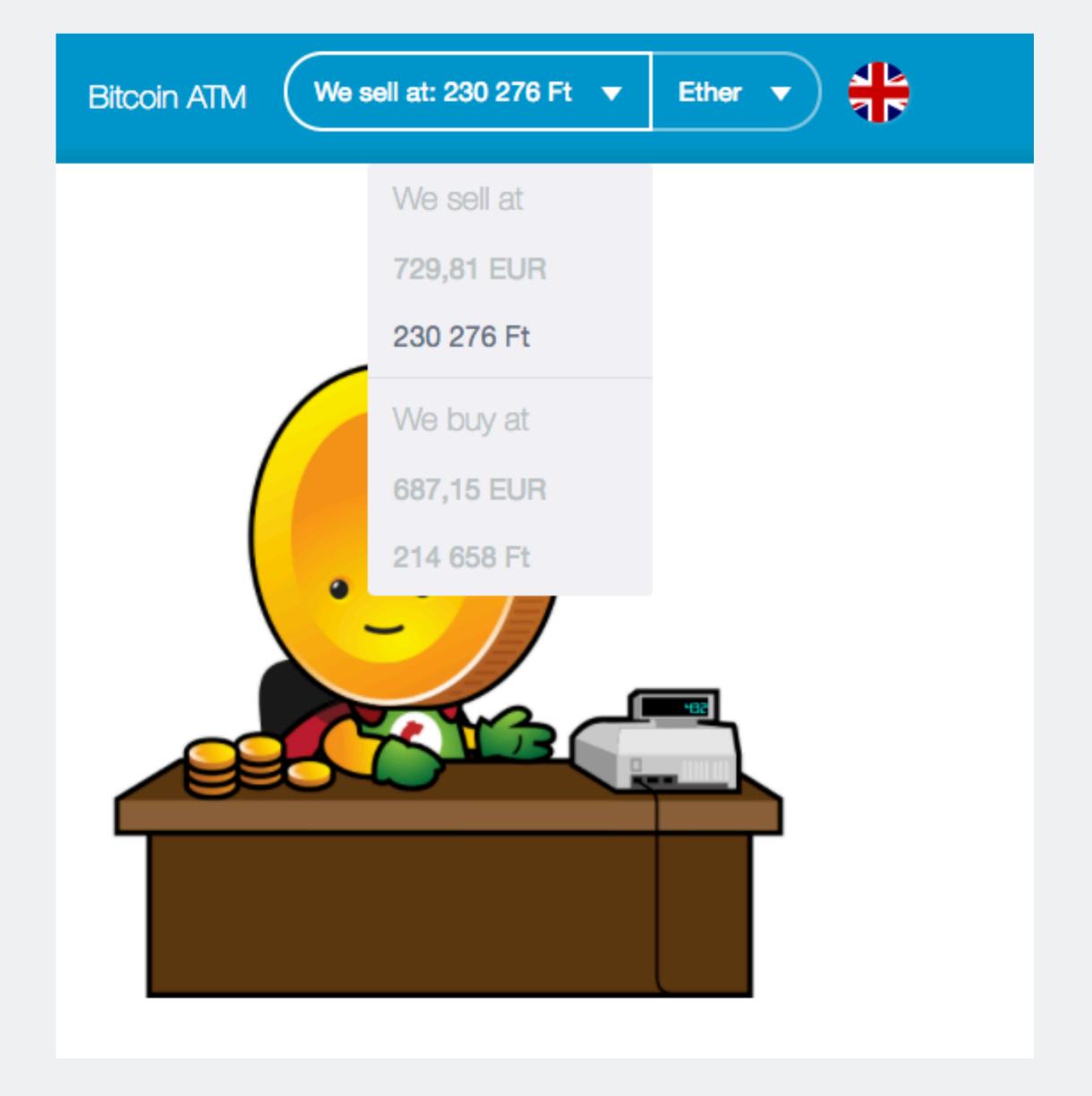
B0











TRUST

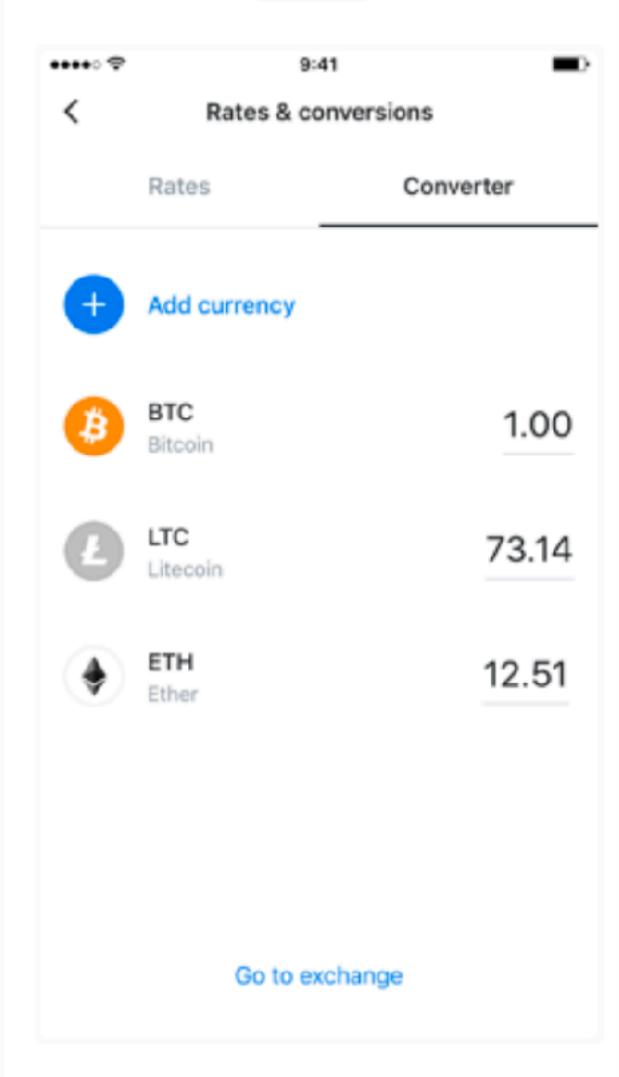
- Trustable design (Desirability test)
- Predictable
- Consistent
- Data exposure



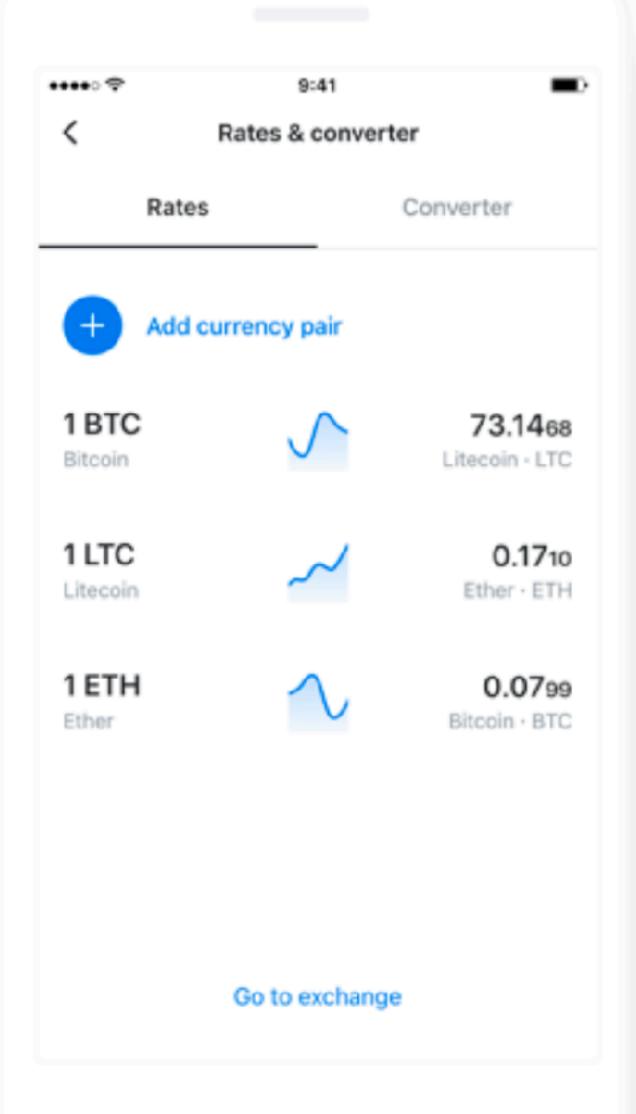
"Old school" blockchain tools show you a lot of long cryptographic hashes. They're not human readable. They're of no use to a user...and yet people like them! Why? It's a feeling of comfort: "I can see a non-human readable chaincode ID, so I believe that this thing I'm looking at is secure.

Ed Moffat, Design Lead, Fabric Composer









GIVING FEEDBACK AND

- Explain the result of the last steps
- Pay special attention to irreversible actions
- Show how cryptocurrencies differ from fiat moneys





ergomania.eu andras.rung@ergomania.eu



SAVE YOUR SEED

Manual Copy

HFTS9S AHFDER QXSVBN YCXSJL WOFDD9 9 A G E T D JRAGDA FG9HKE SCNAFY DUOIAC KLAEEA E 9 D F H W YZTIPP OSW

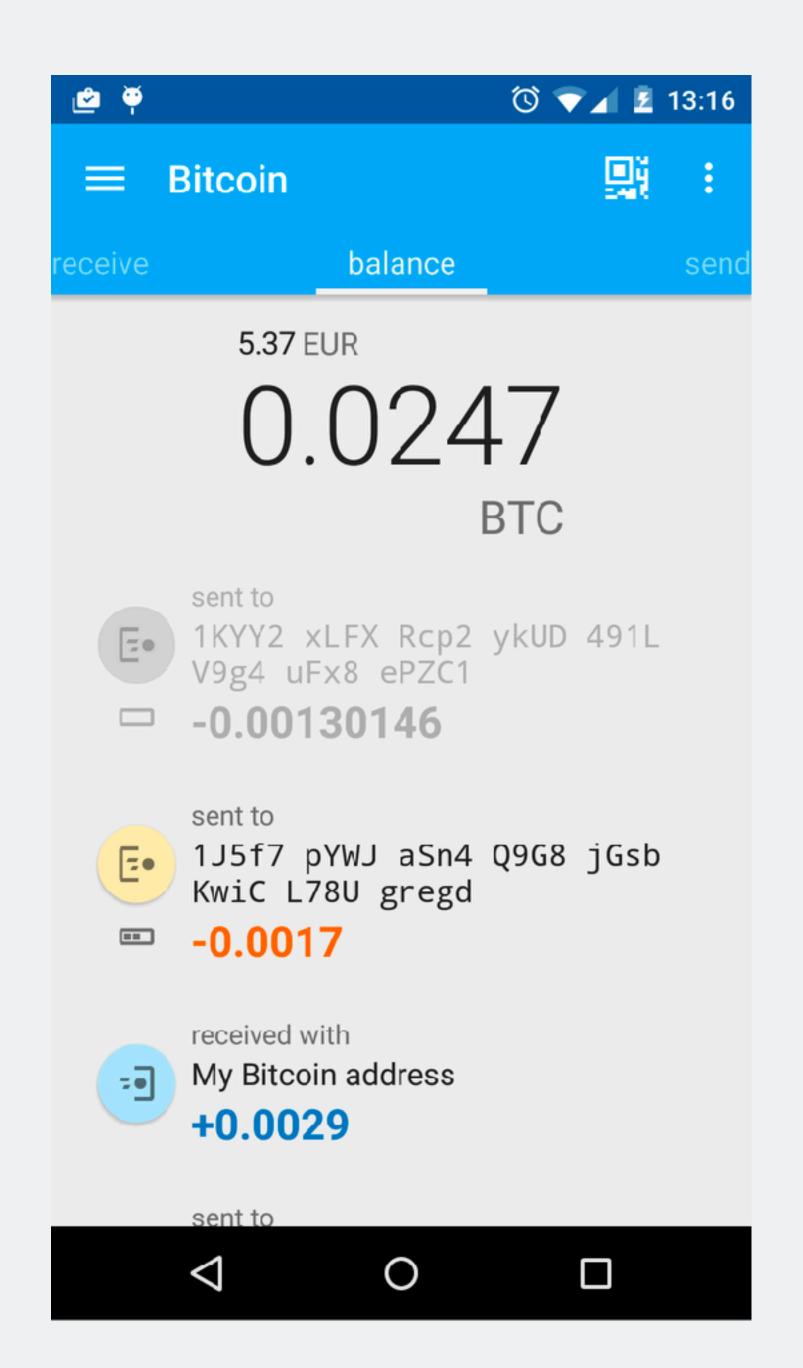
CHECKSUM: ARF

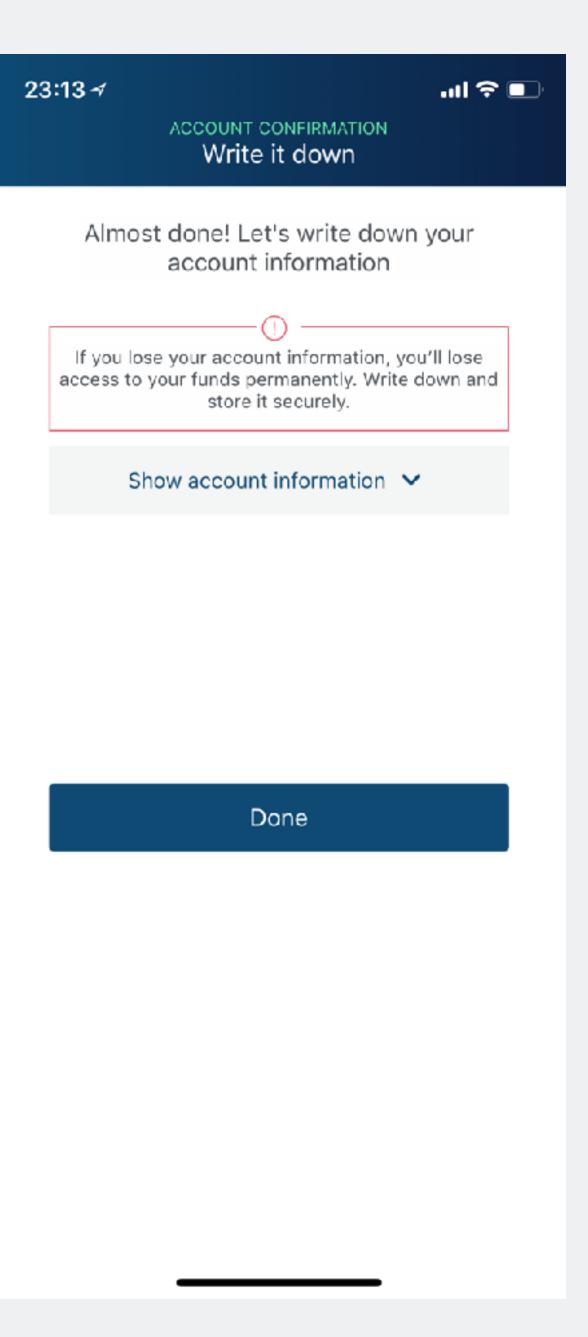
The seed is 81 characters, read left to right across the whole row (rather than in 2 columns). We have split the seed into **groups of 6** characters (+ 3 at the end) for easier copying. A seed can only contain capital letters A to Z, or the number 9. The checksum is 3 letters long.

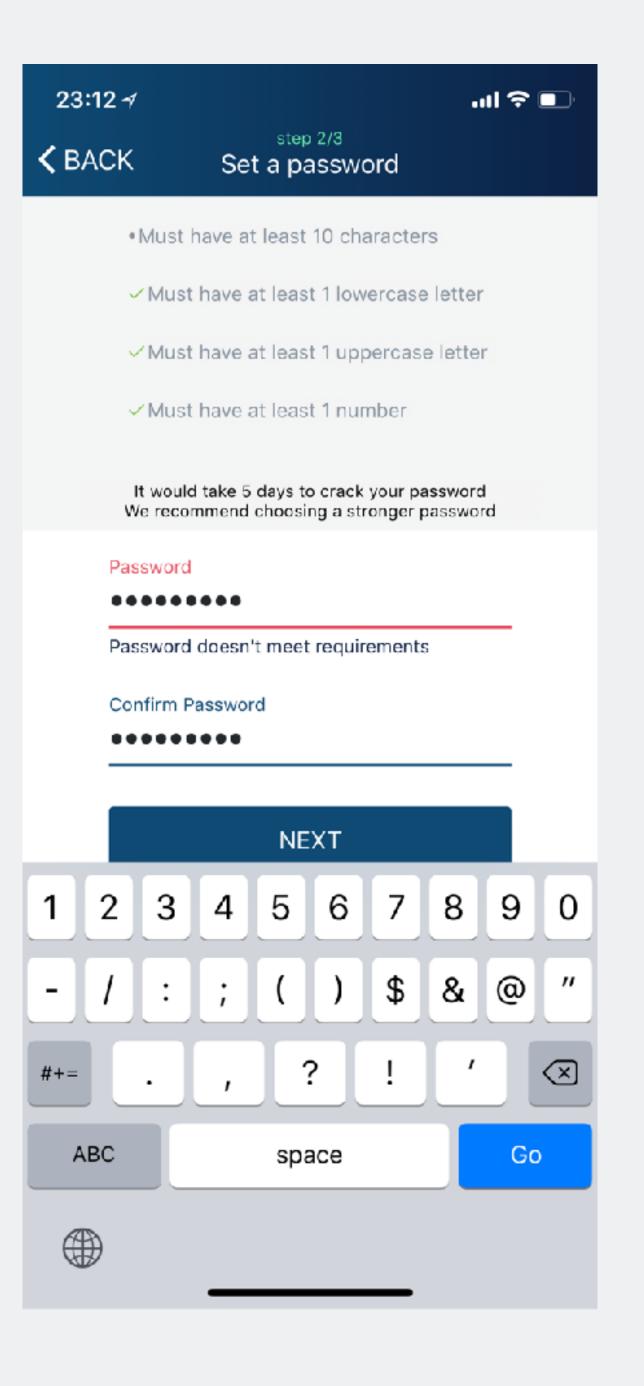
Copy both the seed and checksum down onto paper and triple check to ensure there are no errors.

GO BACK

NEXT

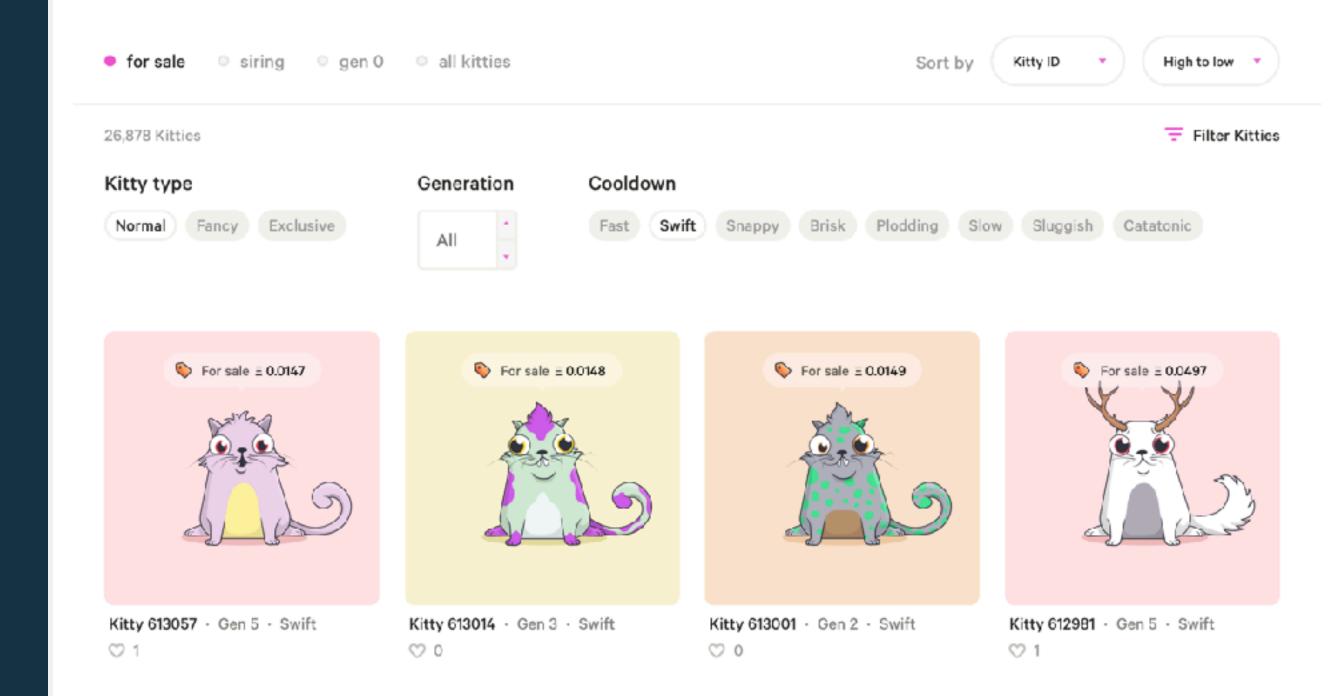






CRYPTOKITTIES THE UX SUCCESS

- Reliable, modern frontend
- Transparent, easy-to-understand communication
- Established UX patterns
- Built-in gamification
- Plays with the notion of scarcity and uniqueness





ISSUES TO CONSIDER WHEN DESIGNING BLOCKCHAIN INTERFACES

- There is no easily applicable mental model
- The users try to get a grasp of reality
- Bad experience prevents adaption
- Reliable research for better understanding
- Education and active guidance



MAY THE BLOCKCHAIN BE WITH YOU!

DR. ANDRAS RUNG

andras.rung@ergomania.eu +36 30 397 5008 www.ergomania.eu





Leading digital product design team in Budapest 16 years of experience