



PAUL COWGILL

CONTRACT-BASED ACCOUNTS

THEIR IMPLICATIONS FOR MOBILE DAPPS, UX,
CENSORSHIP, & DEVEX

WHO AM I?

- ▶ [@paulcowgill](#) on Twitter
- ▶ Founder and tech lead, [Tasit](#) project (native mobile Ethereum dapps)

ASSUMPTIONS / PREMISES

- ▶ UX is important
- ▶ Often there isn't a trade-off between UX and decentralization

WHAT

CONTRACT-BASED ACCOUNTS

STATE OF THE ART

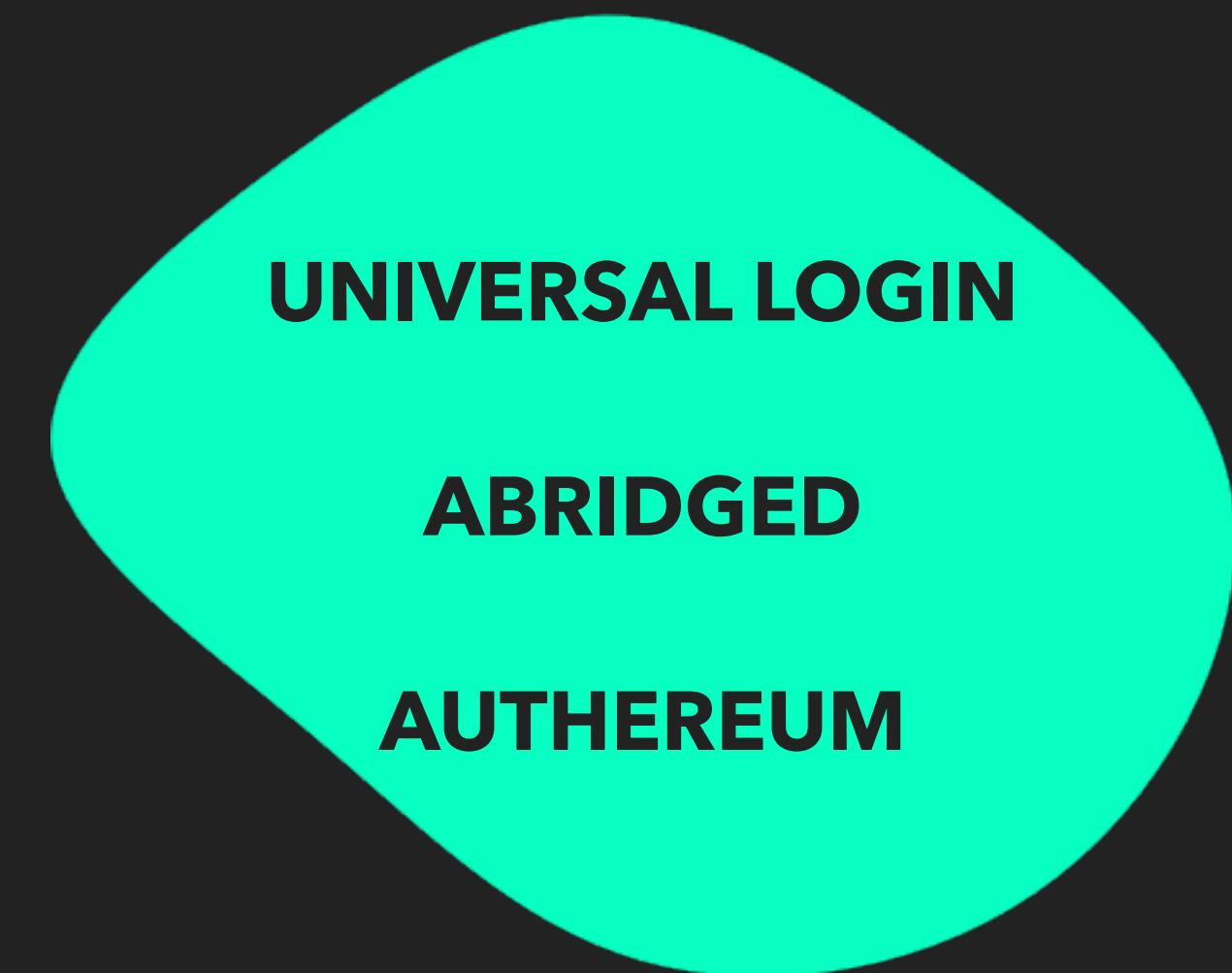
SMART WALLETS



DAPPS



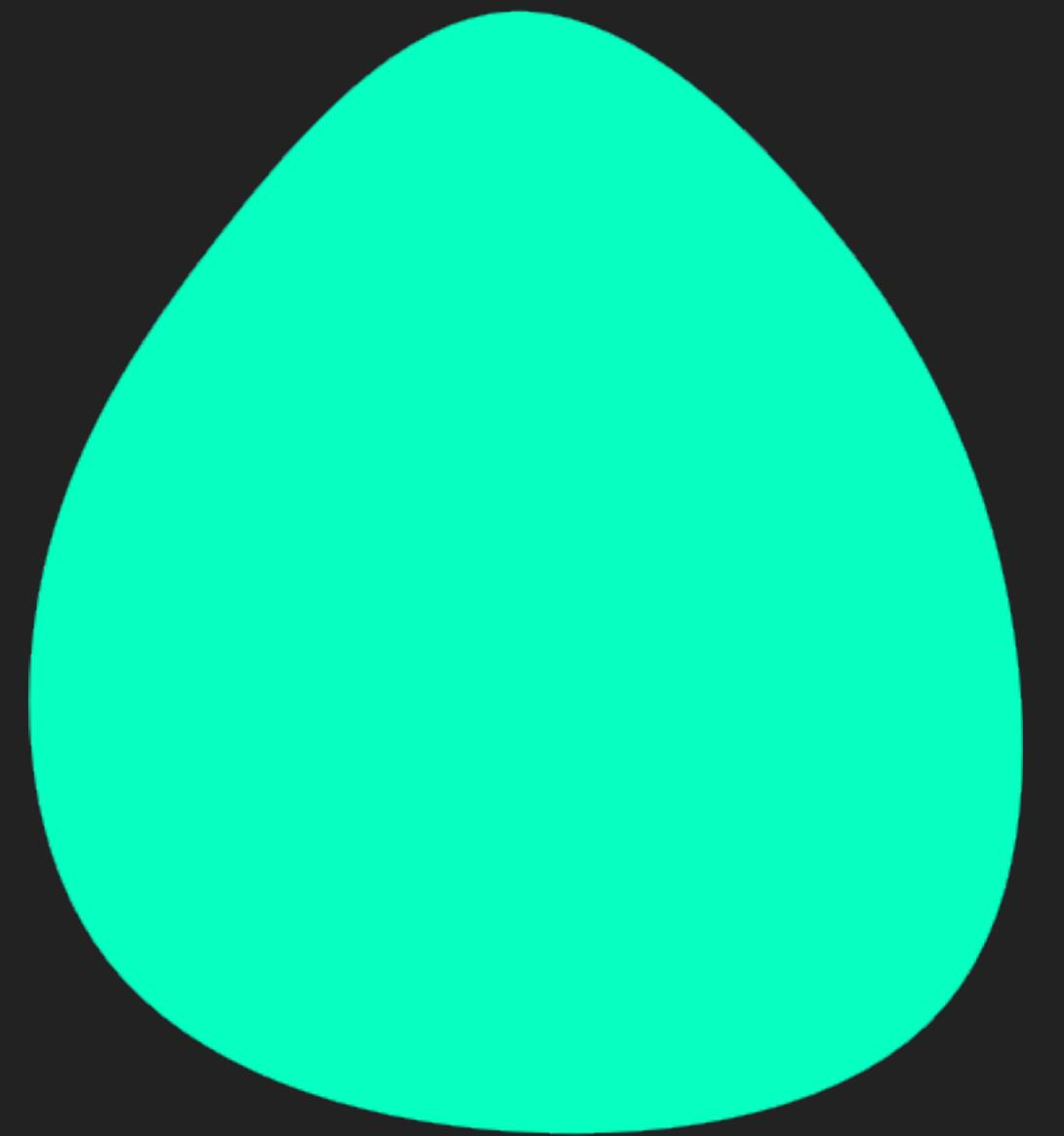
SDK'S



Note: Not an exhaustive list. Sorry for any glaring omissions!

FOCUS

DAPPS



WHY

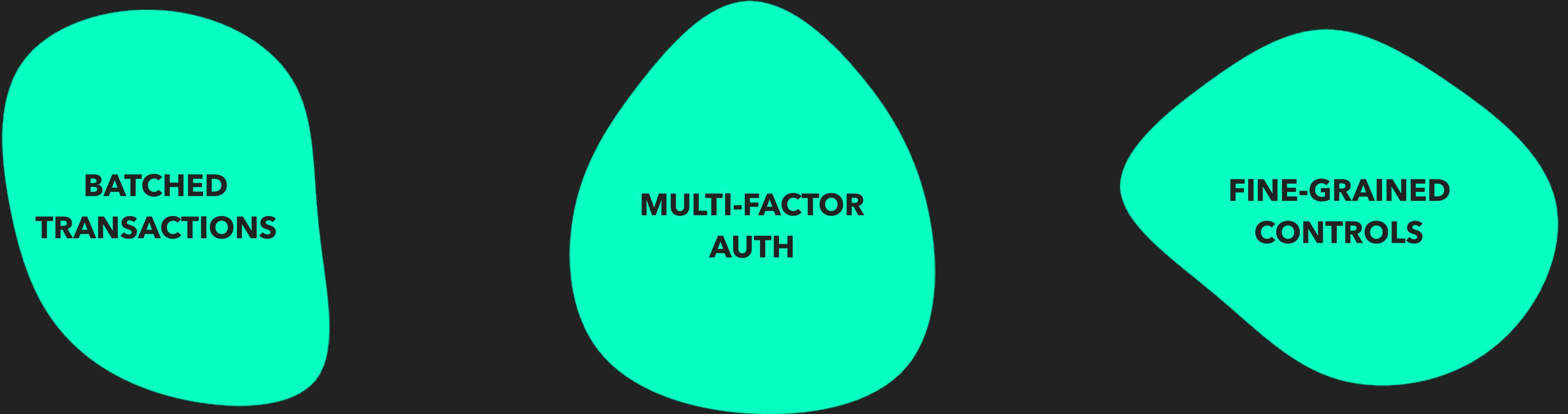
RECOVERY

SEED PHRASES

OPSEC

**STILL FULLY
SELF-CUSTODIAL**

OTHER UX WINS THAT SMART WALLETS OFFER



**BATCHED
TRANSACTIONS**

**MULTI-FACTOR
AUTH**

**FINE-GRAINED
CONTROLS**

WHAT DOES THIS MEAN FOR DAPPS?

**NOT JUST FOR SMART
WALLETS**

CENSORSHIP

NATIVE MOBILE DAPPS

(!!!)

**MOBILE IS THE FUTURE
(AND PRESENT)**

VIRAL DAPPS

“WALLETS”

WALLETS AS INTERFACE

**“WALLET”
= SAVINGS/INVESTMENT ACCOUNT**

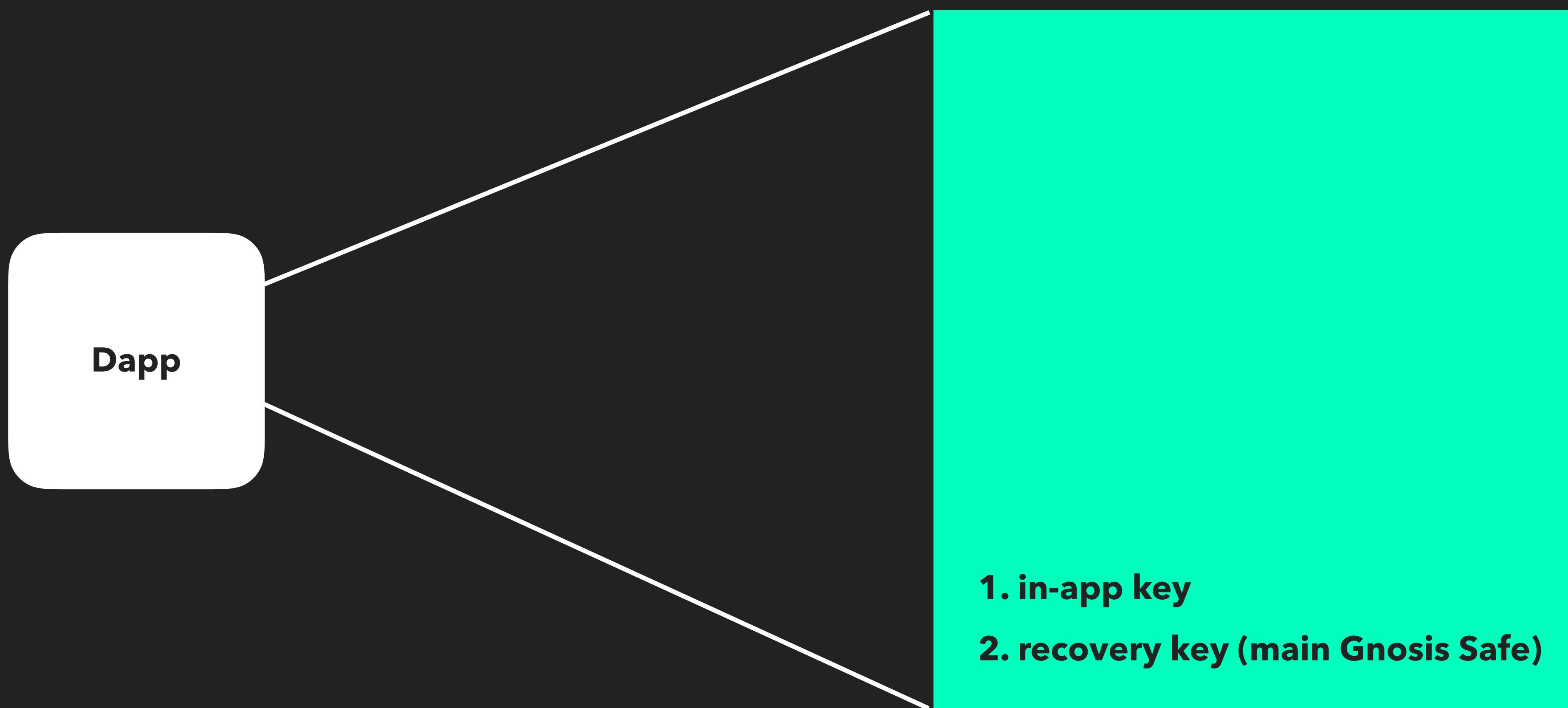
UBIQUITOUS CONTRACT- BASED ACCOUNTS

Hat tip to Austin Griffith

HOW

**A SMART “WALLET”
WITHIN EVERY DAPP**

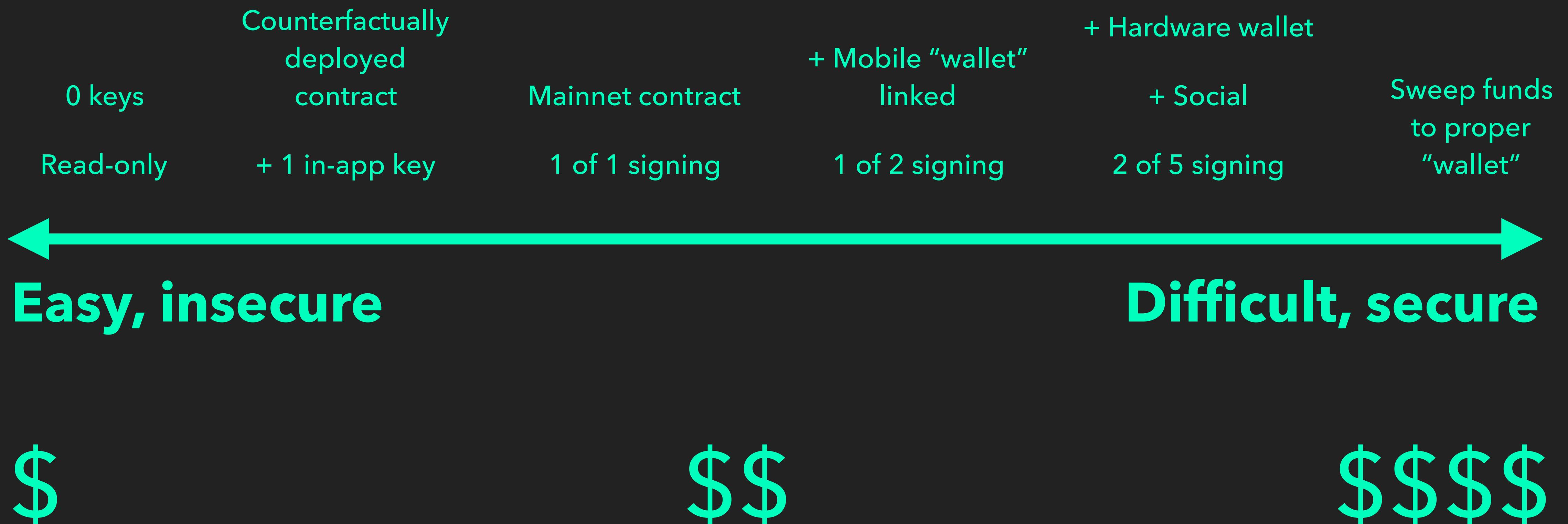
POWERED BY GNOSIS SAFE



**THE STANDARD
CREATE2 MAGIC**

**RARE/BATCHED
TOPPING UP**

PROGRESSIVE SECURITY



MANY SIMPLE CONTRACTS
OVER
ONE COMPLEX CONTRACT

DEVEX

3BOX

HOW THIS PLAYS OUT

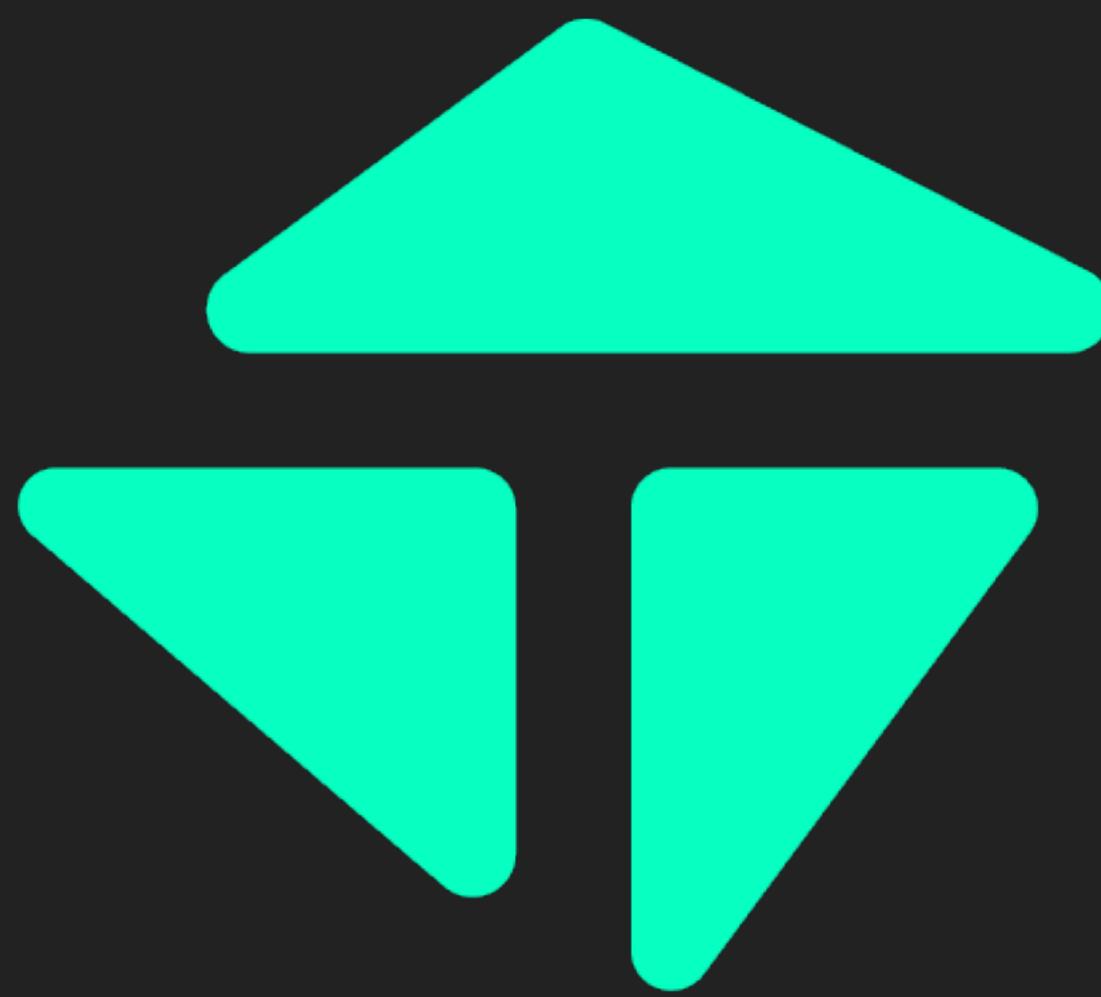
SLACK

PER-DAPP
THEN
PER-CLASS

GROUPS AS IDENTITIES

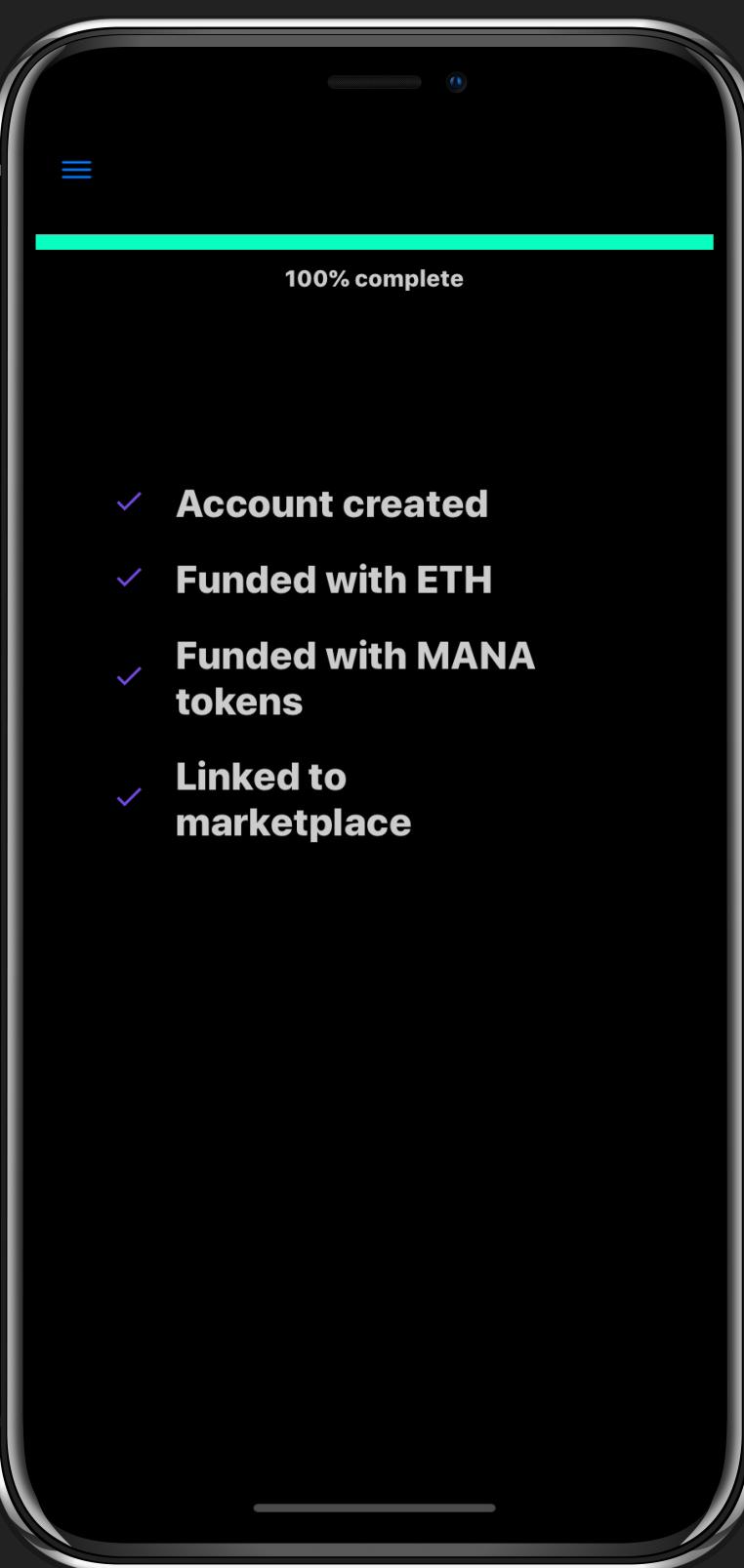
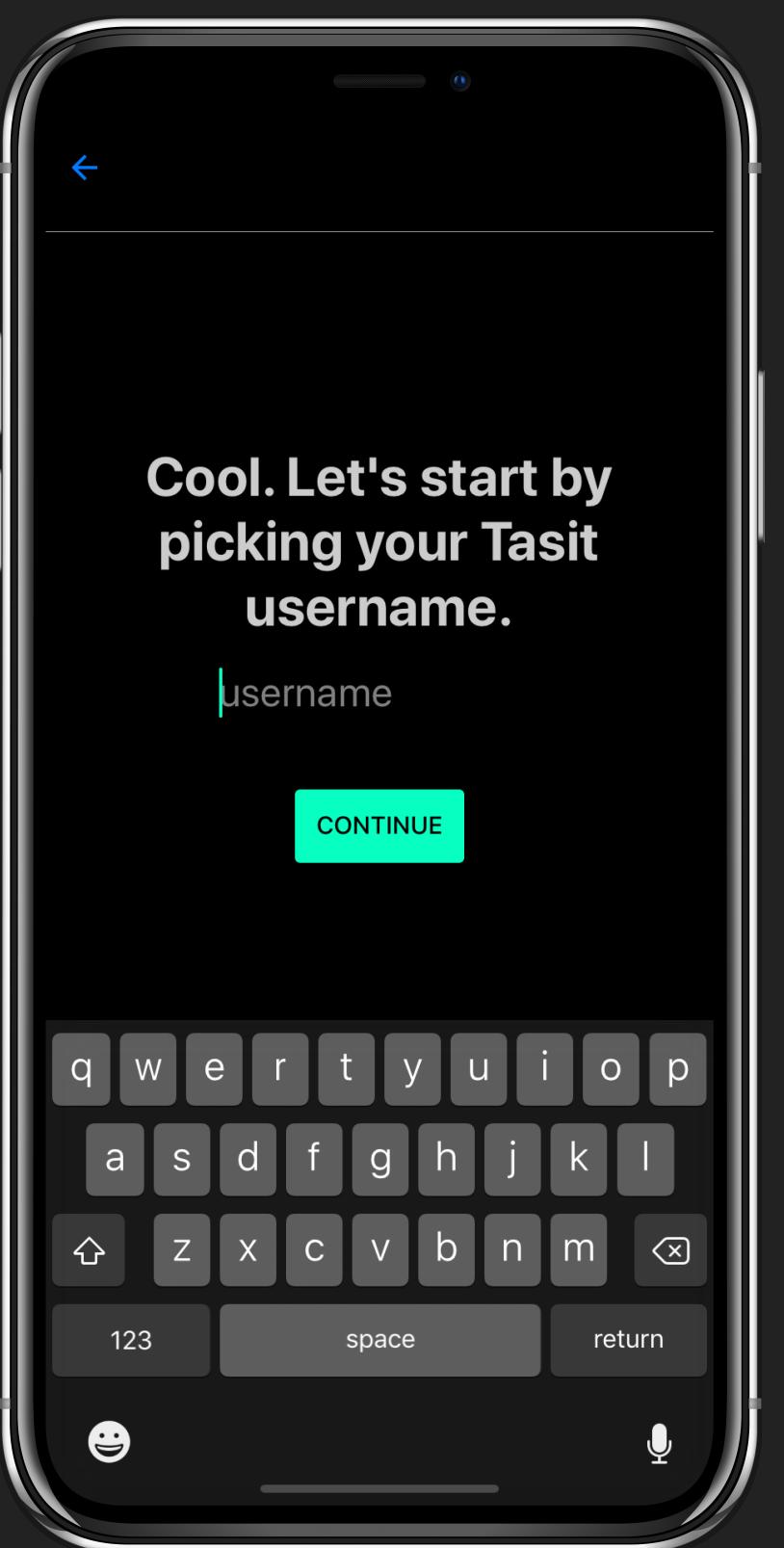
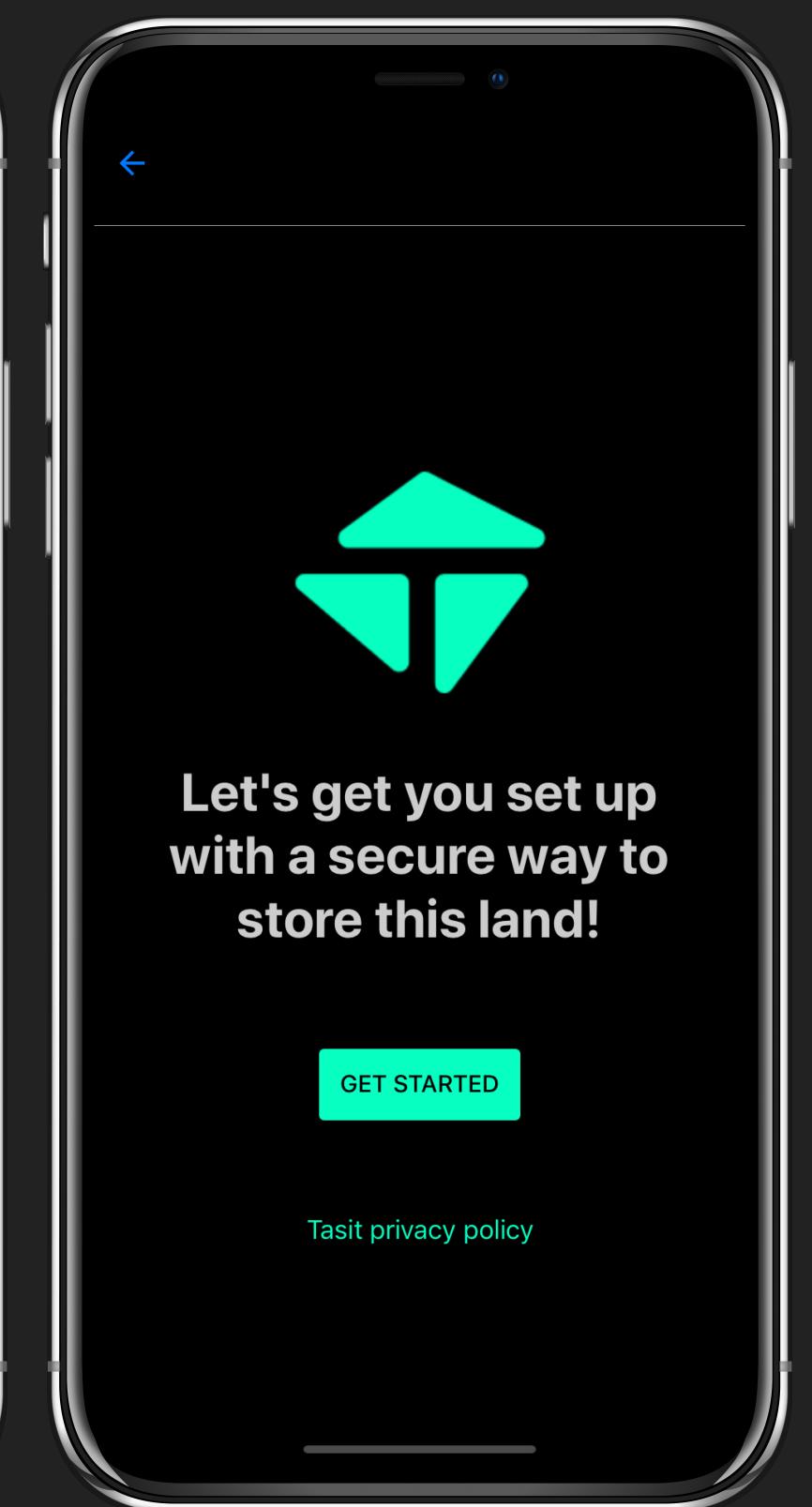
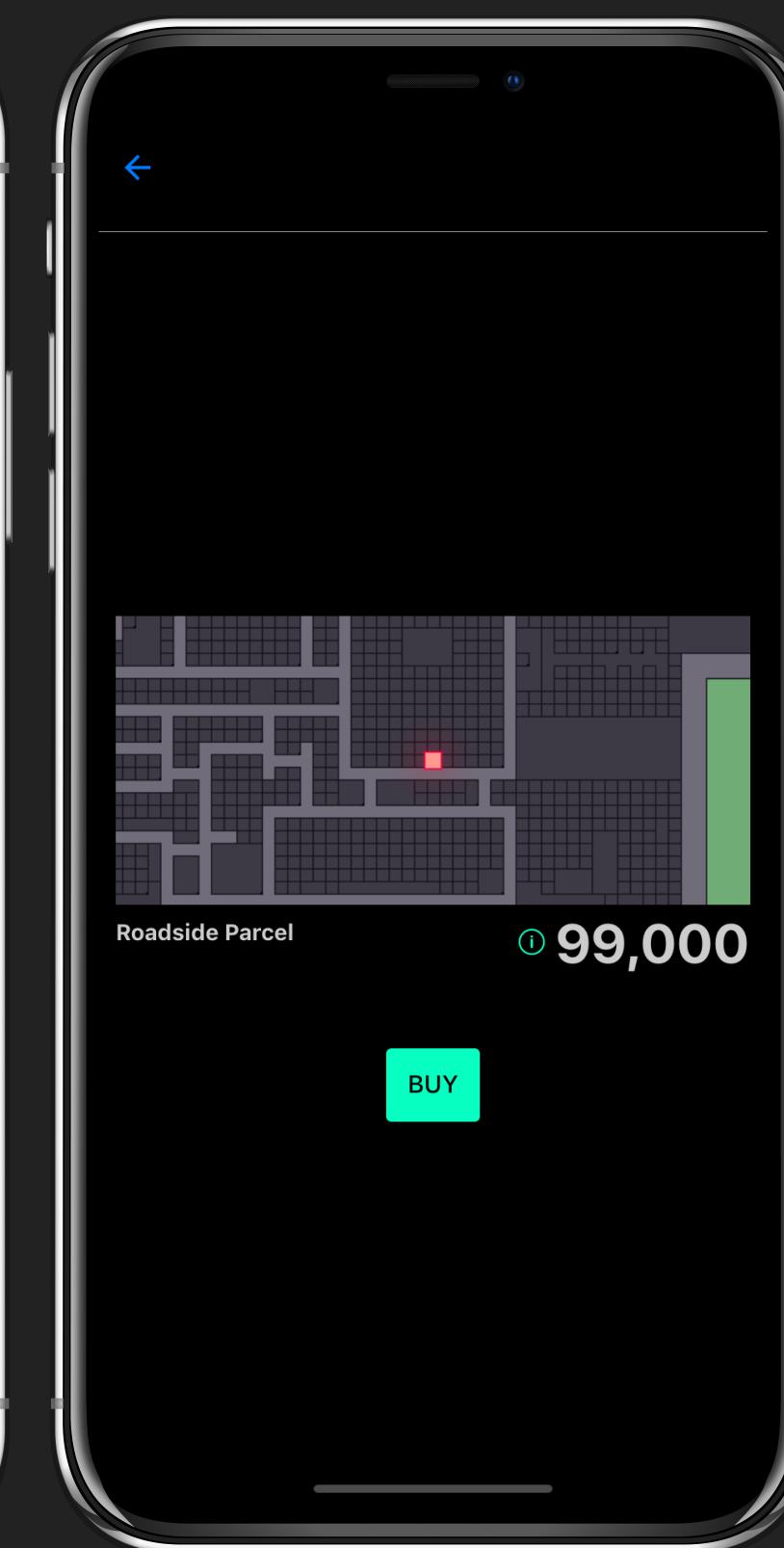
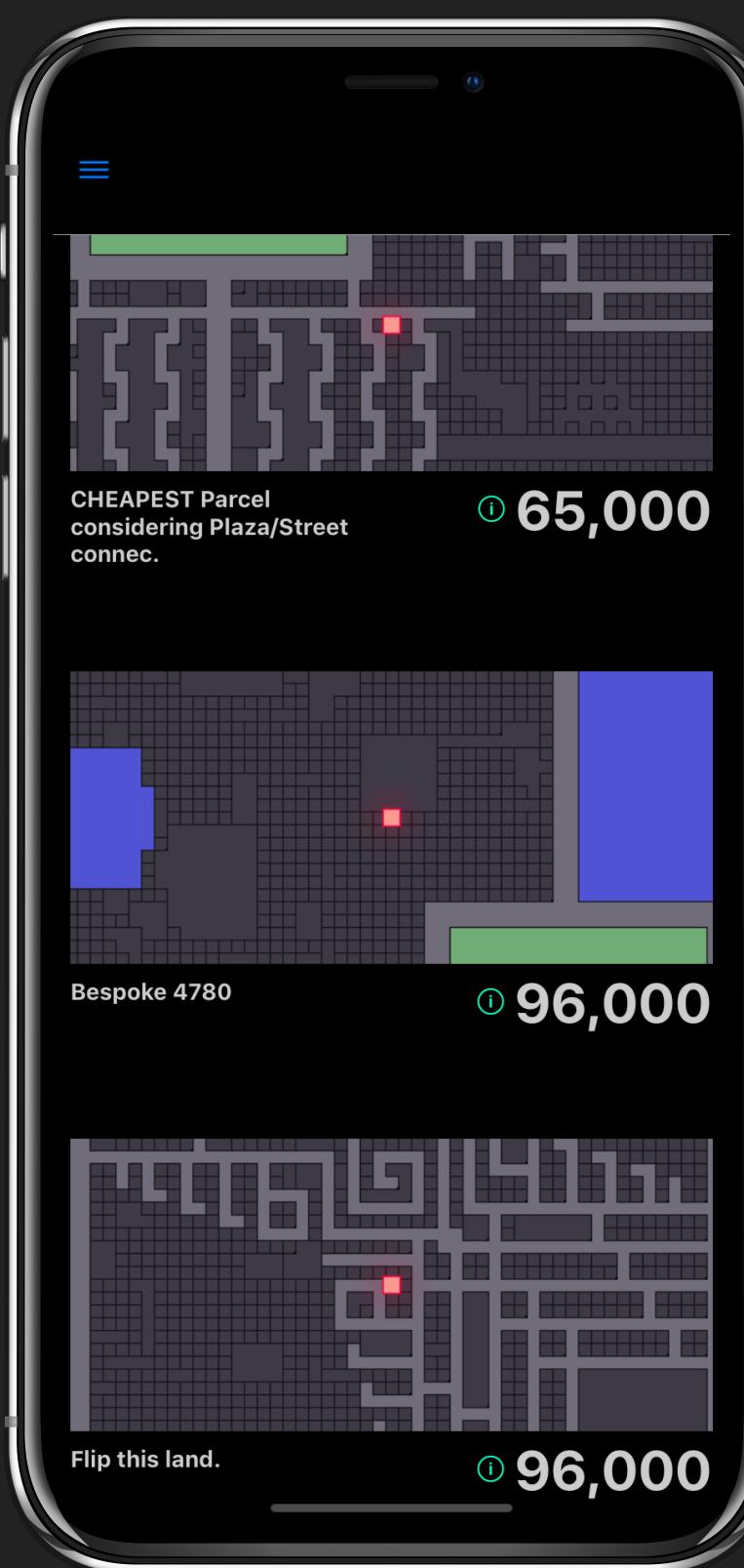
Hat tip to Glen Weyl

NATIVE MOBILE DAPPS



TASIT

DECENTRALAND BY TASIT



TASIT

- ▶ Website tasit.io
- ▶ Twitter [@TasitProject](https://twitter.com/TasitProject)
- ▶ Discord discord.gg/bRp4QKq
- ▶ Telegram t.me/tasitlabs
- ▶ GitHub github.com/tasitlabs
- ▶ Medium medium.com/tasit





[PLUG FOR GECO]

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Mentoring from Gnosis developers



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QUESTIONS?