Mayor's Blockchain Challenge

5-Minute Pitch

Transmute | 07/29/2018

Meet Transmute

Orie / Sheel / Margo

2

The Problem

(Why are we here?)

People Experiencing Homelessness

“Documents are stolen like that!”
“I’m fighting for benefits”
“Opportunities for resources are rare”
“The run-around breaks trust”
“We are treated like an underclass”

Service Providers

“I need to feel the seal”
“You need to prove you who are”
“Sharing between organizations is complicated”
“I have to be able to trust it is verified”

1. People experiencing homelessness need a **secure and trusted digital place** to keep important documents.

1. People experiencing homelessness need a **secure and trusted digital place** to keep important documents.

2. Those digital documents need to have a verification process so that they can eventually be **trusted and accepted** as much as the original source.

3

Our Solution

Platform description

- **User-friendly Webapp acts as a digital wallet (ipad or phone)**
  - Person experiencing homelessness controls documents and ability to share that information
  - Can seamlessly add, organize, share, and invite service providers to verify

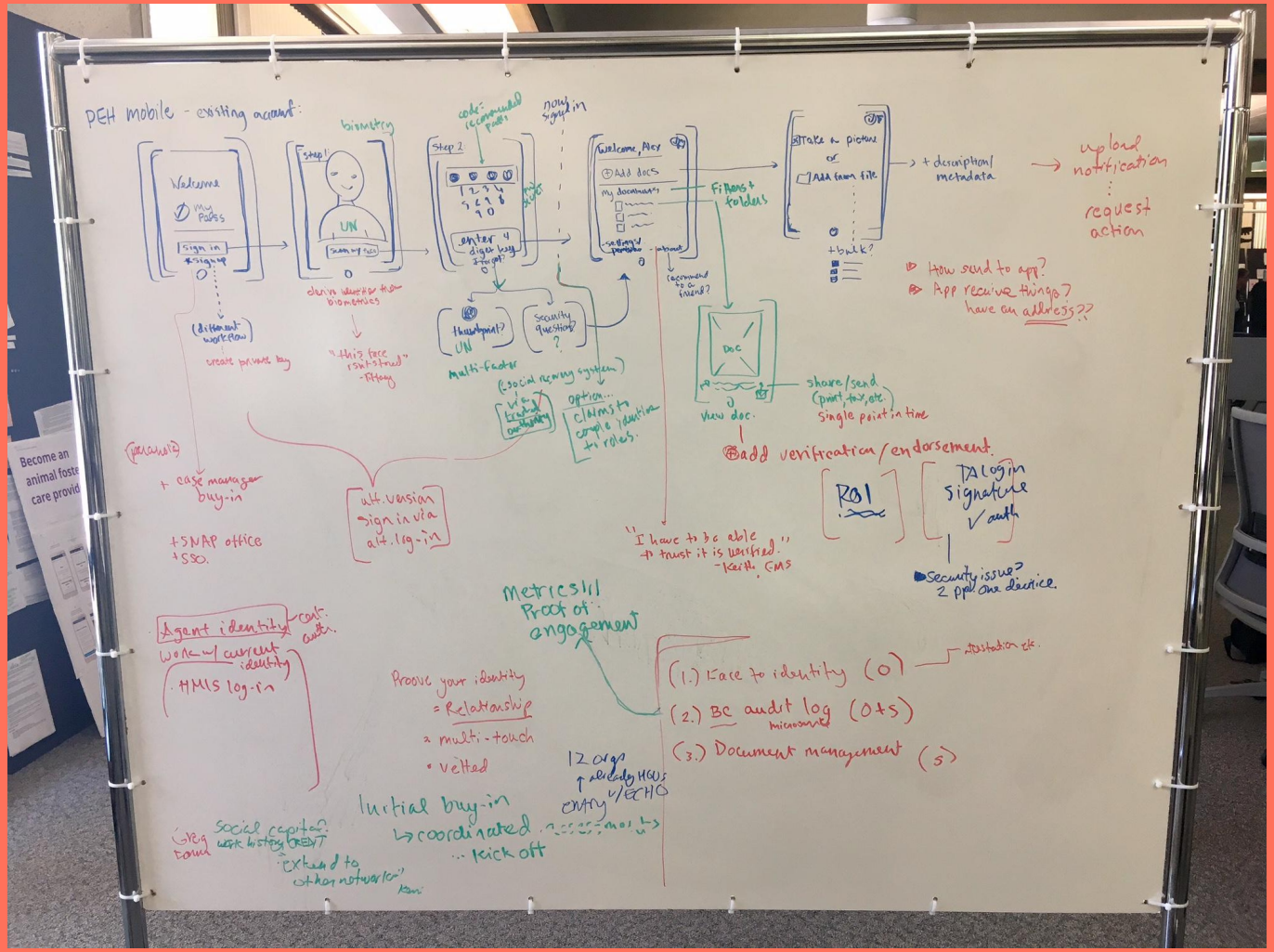
Platform description

- **User-friendly Webapp acts as a digital wallet (ipad or phone)**
  - Person experiencing homelessness controls documents and ability to share that information
  - Can seamlessly add, organize, share, and invite service providers to verify

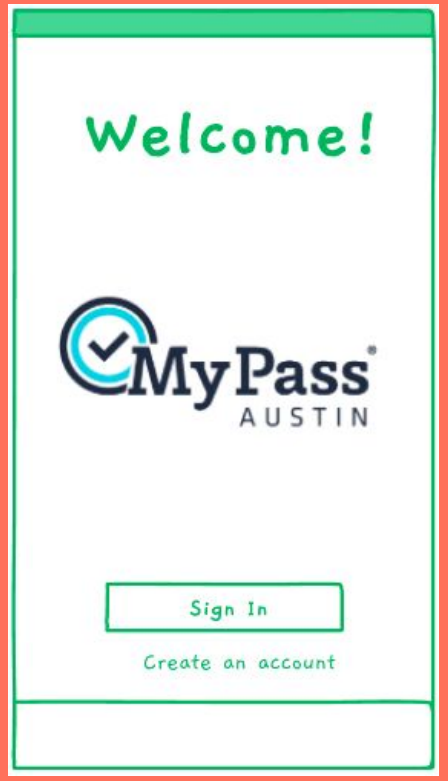
- **Blockchain as a tool for audit log and payments**
  - Identity derived through biometrics (facial scan) combined with a secret pin provide access to a private key
  - Trusted Authority agents (i.e. case managers) can verify important documents while working with users, which is captured in the immutable audit log

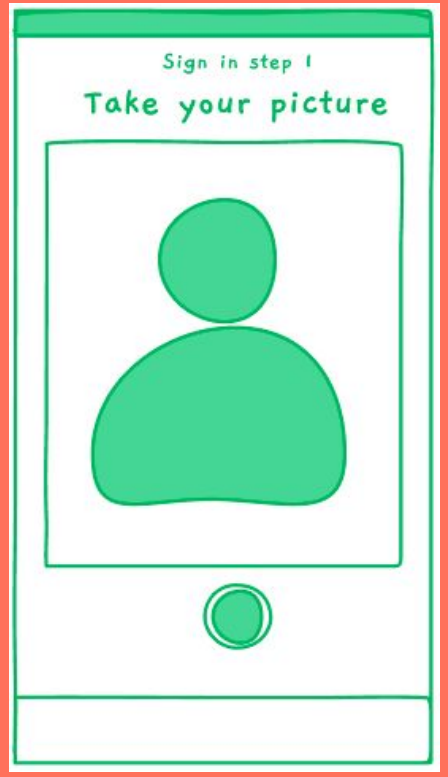
4

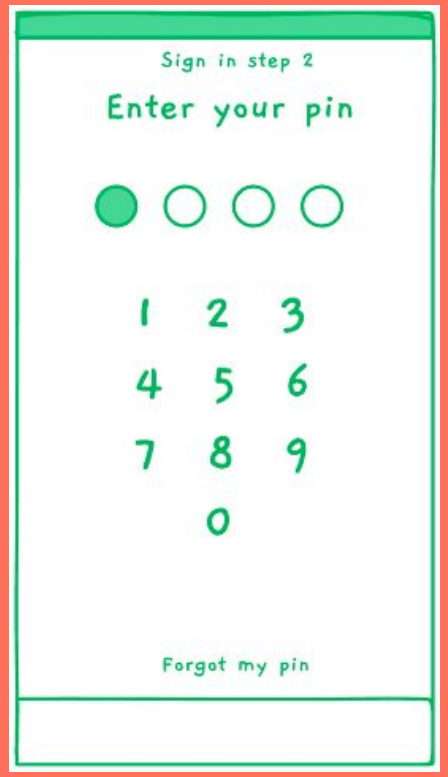
Our Solution

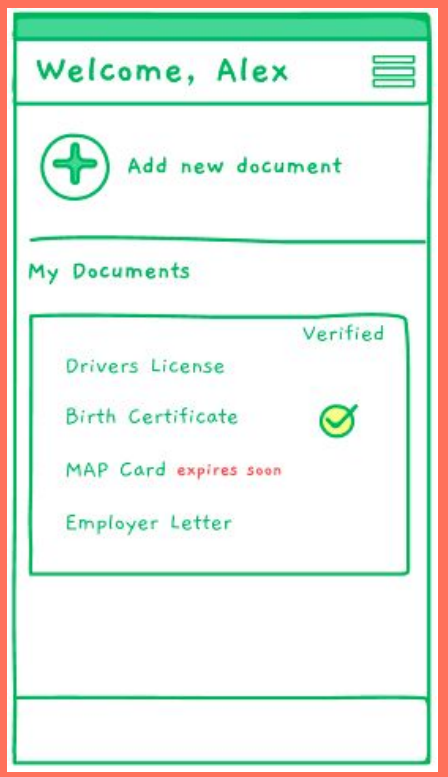

PEH mobile - existing account:
Welcome
my Pass
sign in
sign up
(different workflow)
create private key
biometry
step 1
UN
Scan my face
derive identifier from biometrics
"this face isn't stored" - Tiffany
code: recommended paths
Step 2
1 2 3 4
5 6 7 8
9 0
enter 4 digit key
I forgot?
thumbprint? UN
Security questions?
multi-factor
(social recovery system)
via trusted authority
option...
claims to couple identities to roles.
now signed in
Welcome, Alex
Add docs
my documents
settings/ pertains
about
recommend to a friend?
Filters + folders
Take a picture
or
Add from file
+ bulk?
+ description/ metadata
upload notification
request action
How send to app?
App receive things? have an address??
Doc
share/send (print, fax, etc.) single point in time
view doc.
add verification/endorsement.
(parameter)
+ case manager buy-in
+SNAP office
+SSO.
alt. version
sign in via alt. log-in
"I have to be able to trust it is verified." - Keith, EMS
ROI
TA login
signature
✓ auth
Security issue? 2 ppl. one device.
Agent identity
cert. auth.
work w/ current identity
HMIS log-in
Metrics!!
Proof of engagement
(1.) Face to identity (0)
attestation etc.
(2.) BC audit log (0+S)
microservice
(3.) Document management (S)
Proove your identity
= Relationship
= multi-touch
• vetted
12 orgs
already HQUs
entry w/ECHO
Initial buy-in
↳ coordinated
... kick off
Social capital
work history CREDIT
"extend to other networks"
Greg Kenn

Prototyping and testing (1)

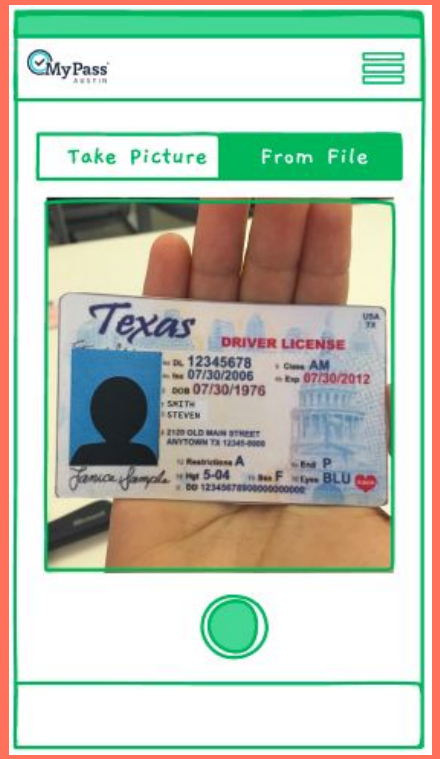


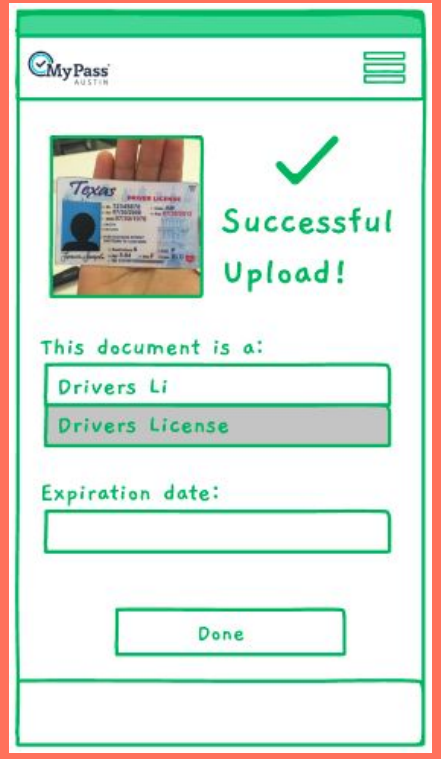






Prototyping and testing (1)





Secure | https://mypass.transmute.live

Bookmarks | School of Social W... | Yoga | Recipes | Social Work and Bu...

MyPass

MyPass

Soverign Idenitity for People Experiencing Homelessness

REGISTER

Services packages addressed

- [X] MAP Card
- [X] Housing Application
- [ ] SOAR Application

- Self-upload and control
- Share documentation directly out of the app (email, print, fax)
- Ability for a trusted authority (participant in blockchain) to verify a document
  - I.e. DPS for Texas ID
- Expiration date monitoring
- Percentage completion for service packages

5

Key Metrics

(How will we learn and pivot?)

# of users on-boarded to the app

retained onboarded users overtime

of documents uploaded to the app by each user

“trusted authorities” onboarded to the app by partner agencies

documents verified

Apps like this should be developed and tested using traditional, scalable cloud technologies first.

Decentralized security should be added only after the experience has been accepted by key stakeholders.

Thank You!

Team Transmute