Welcome to
consento

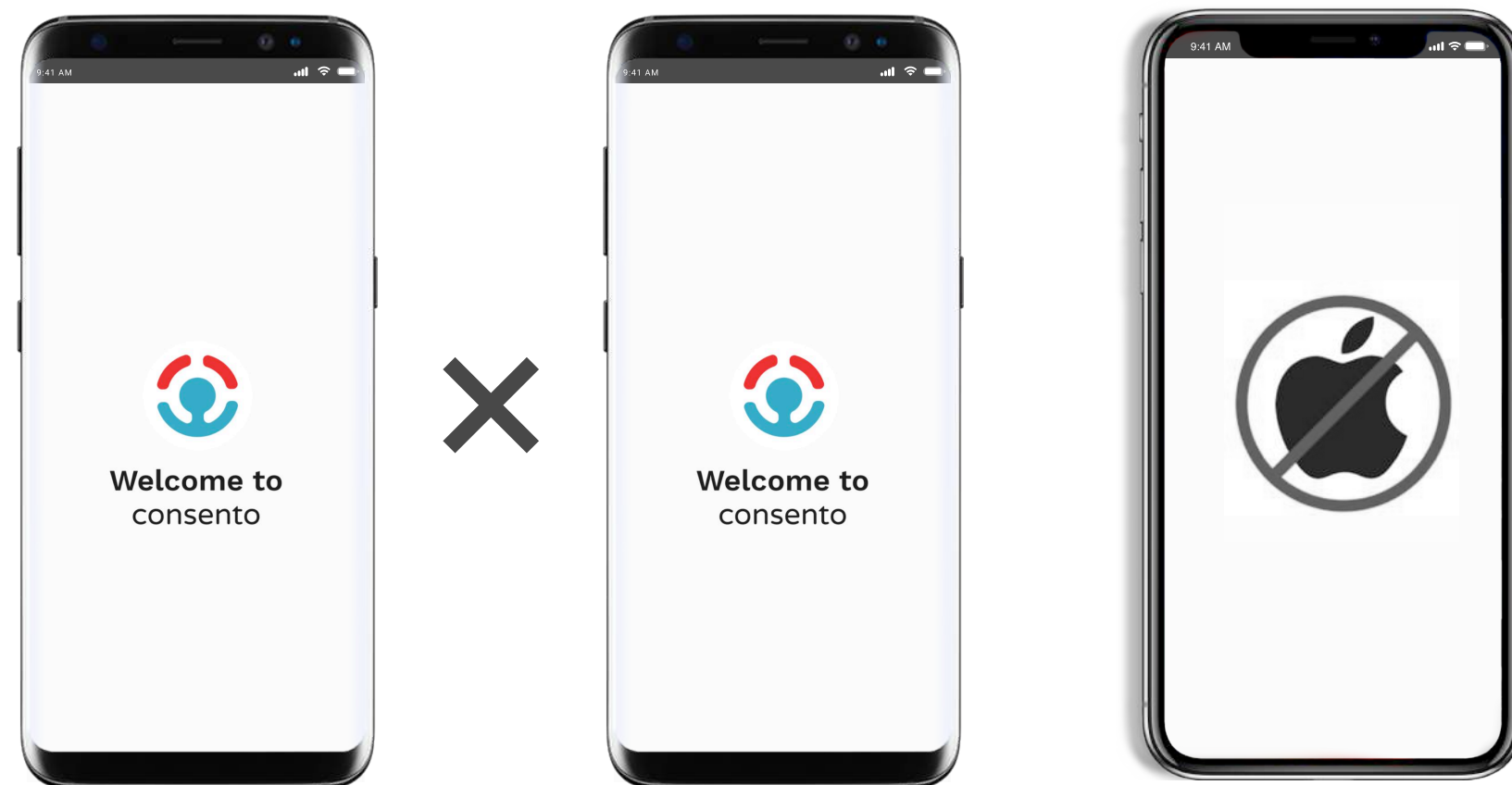# Consento v1
Precursor

To enjoy this version of Consento you need at least two Android devices. You can use your own device or enjoy it with a friend.

We know that it works in with a degraded version on some iPhone version if you build it from hand but it isn't ready for iPhone yet, sorry.

The concept of Consento is to run on various platforms on servers and desktops. For this reason we chose a standard library for the encryption of devices. Unfortunately we had to realize that it's mobile implementation is quite slow on old processors.

Consento uses http://expo.io to make it easier to iterate and to contribute to Consento. You can download the Android client ↓

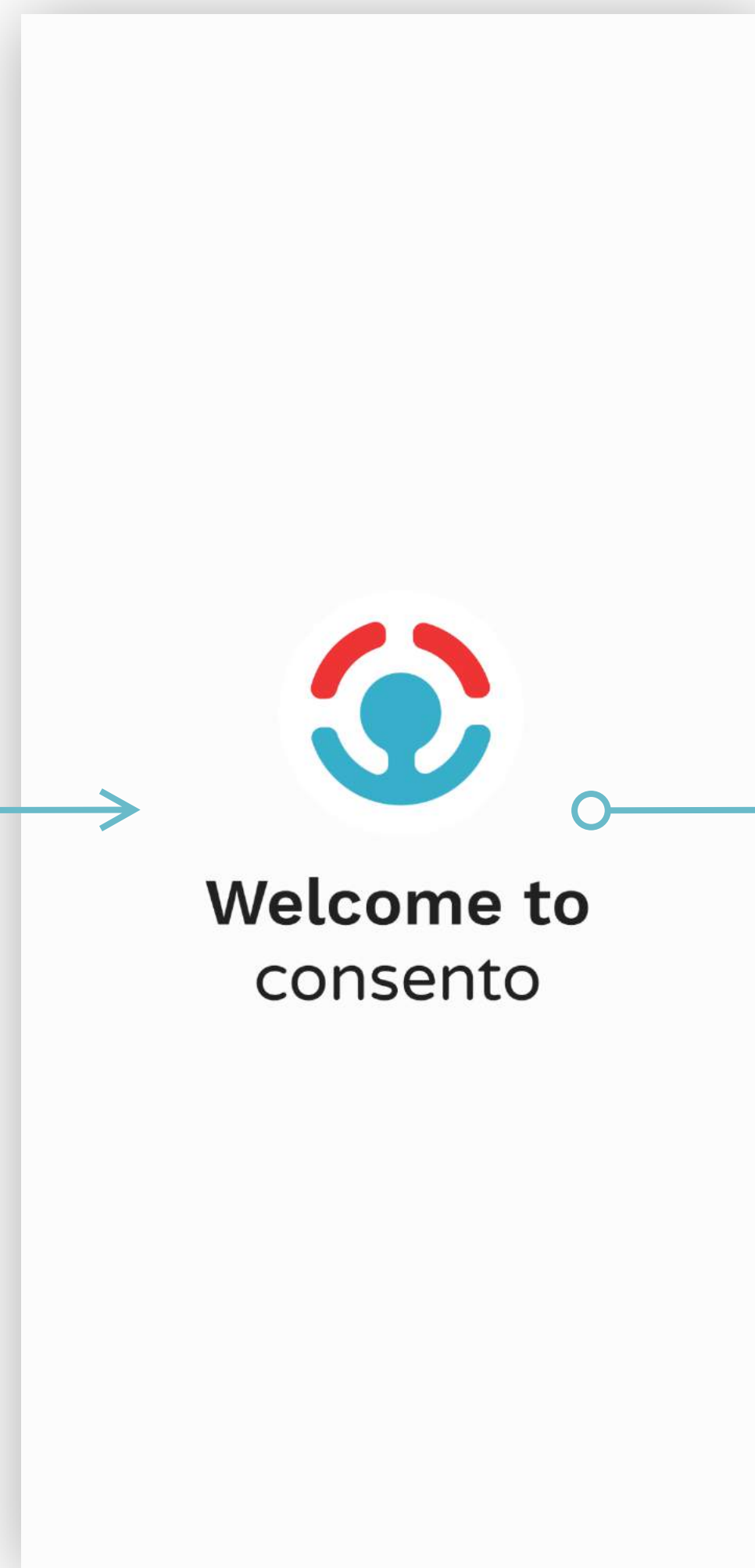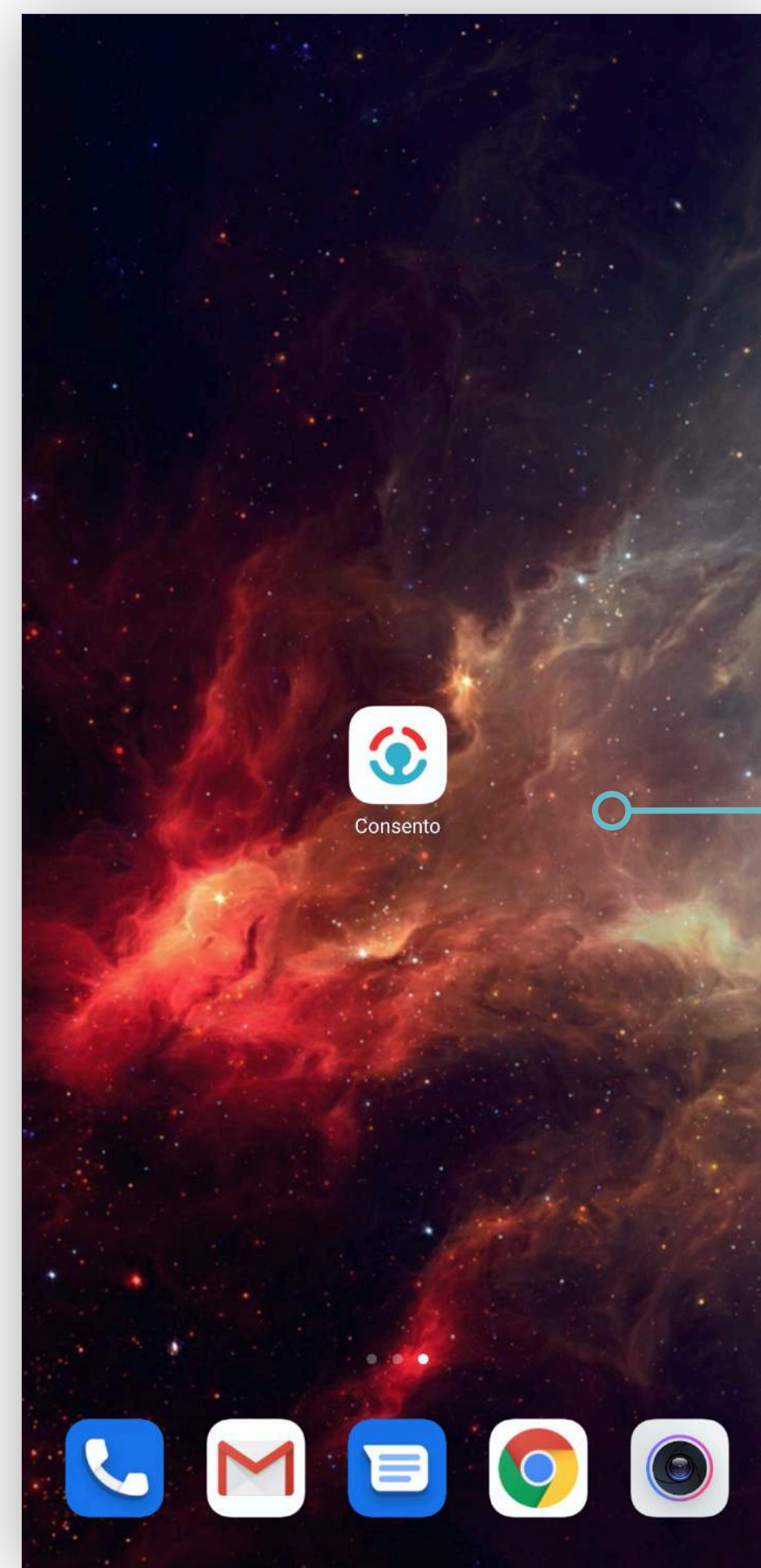https://play.google.com/store/apps/details?id=host.exp.exponent

If you want to ensure total privacy in your testing process you will need to start the @consento/notification-server which is built on nodejs.

Start

Consento in its first version is a standalone mobile application.

The goal for this version is to test the viability of a collaborative unlocking process for end users.

As such, this version can be started without special setup.

to Homescreen

The account is automatically created and stored on the device in an strongly encrypted manner.

It is planned for future versions to start create a user before starting with the App.

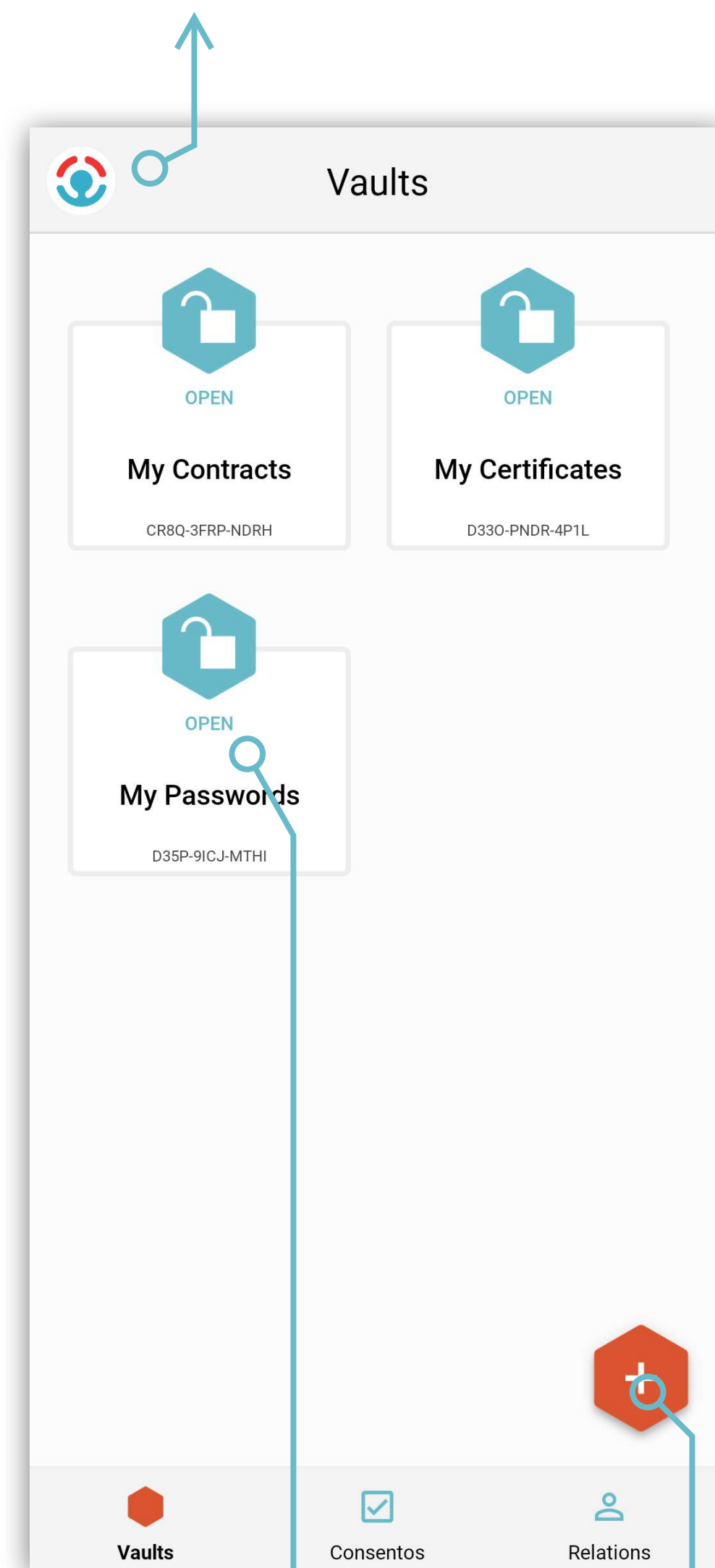Start Consento by running Expo.io and this link:

exp://expo.host/@consento/consento

Welcome to consento

Consento v1

First Use / Homescreen

go to configuration

Vaults

OPEN
My Contracts
CR8Q-3FRP-NDRH

OPEN
My Certificates
D33O-PNDR-4P1L

OPEN
My Passwords
D35P-9ICJ-MTHI

Vaults   Consentos   Relations

Consentos

All set up !

You don't have any Consento request
for the moment.

Vaults   Consentos   Relations

Relations

Add relations !

Just press the + button and scan the
QRcode of a Consento user's device.

You can name that person as you whis,
only you will know it.

You and that person could then add
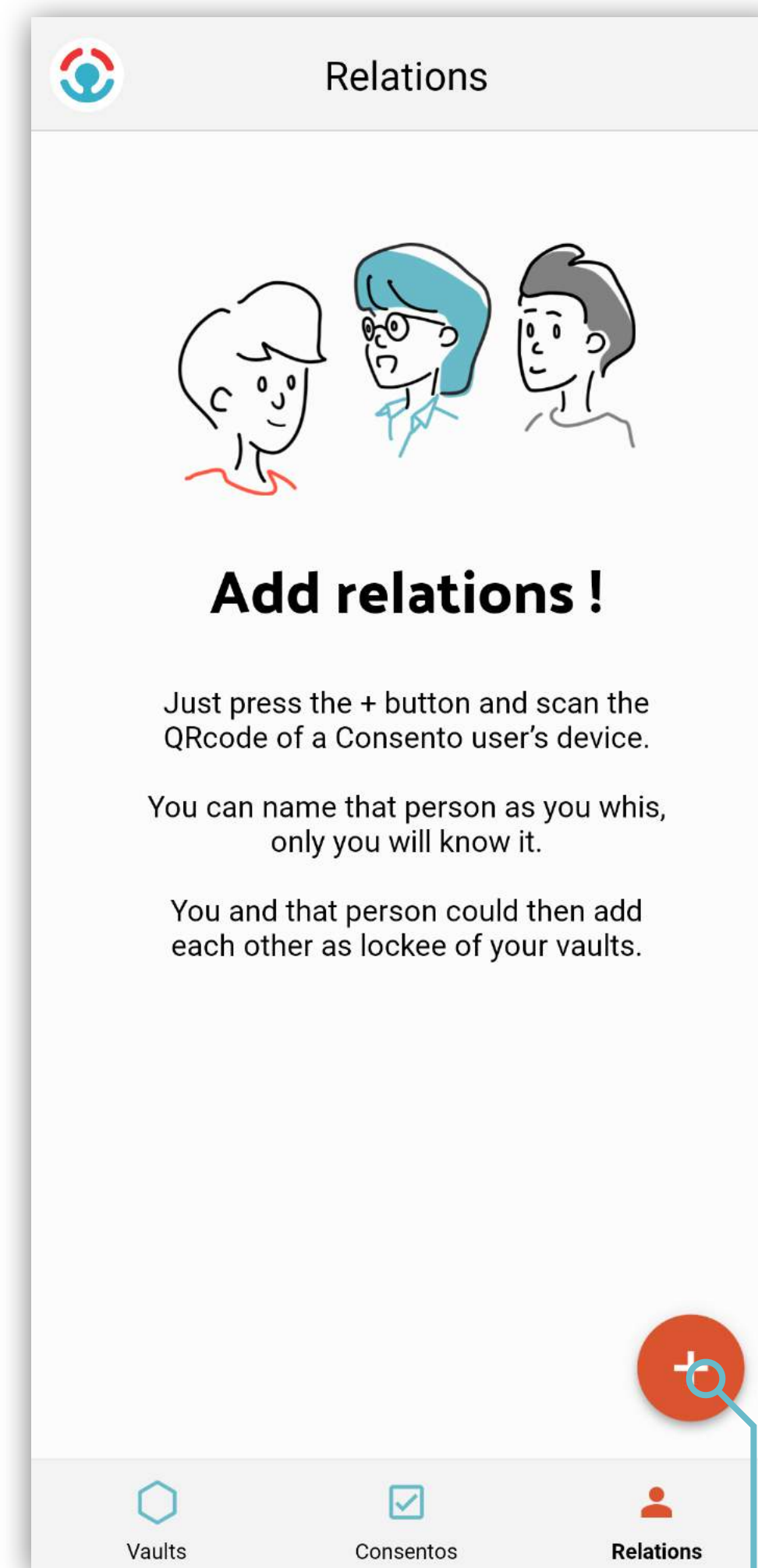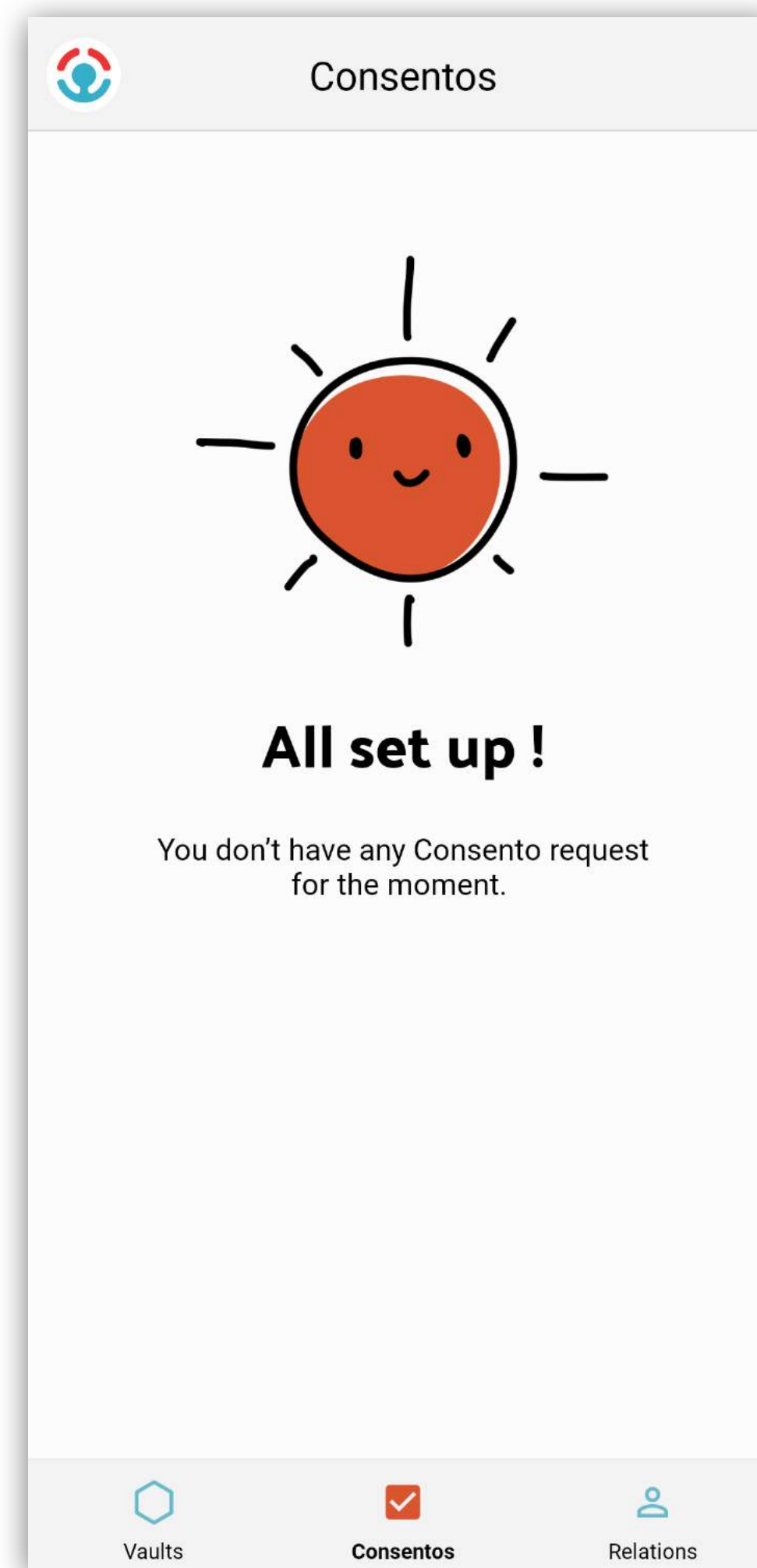each other as lockee of your vaults.

Vaults   Consentos   Relations

go to vault

add a vault

add a relation

Consento will automatically create three vaults on start and shows them on the **vaults-screen**.

These are supposed to give a hint to the user on the kind of data that could be added to the vaults.
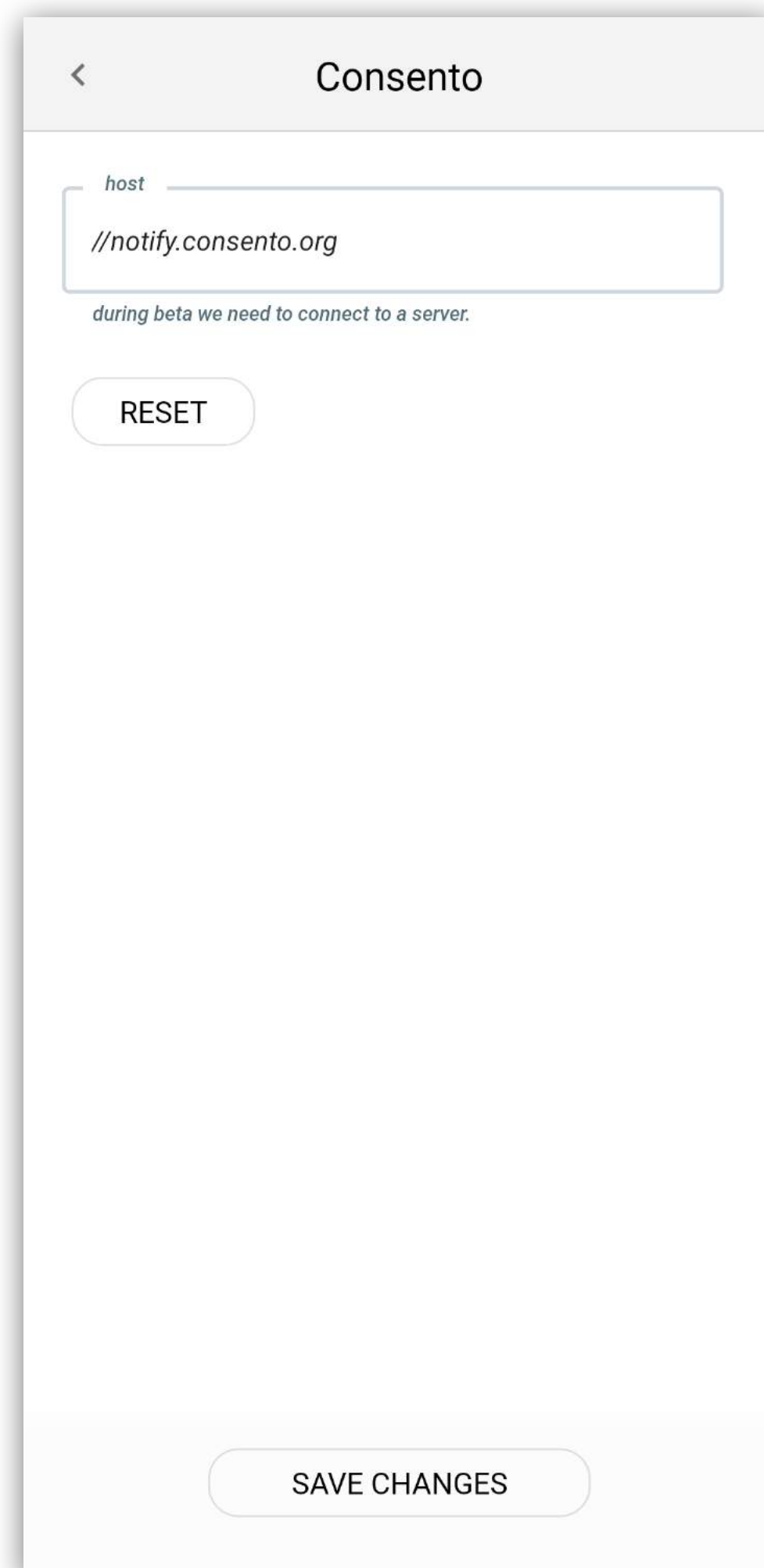We are interested to know if this preset is helping with the user expectations.

The **consento-screen** is where new requests will be displayed further on.

The **relations-screen** can be used to manage relations with other Consento devices.

Consento v1
Important details

host

//notify.consento.org

during beta we need to connect to a server.

RESET

SAVE CHANGES

The configuration-screen is reachable through the Consento-icon.

The host definition is necessary for the devices to communicate.

The default domain, **//notify.consento.org** is a small server that runs the opensource server software

https://github.com/consento-org/notification-server

The server is necessary for the applications to communicate with each other, but it has no ability to read any of the messages sent between the devices.

For two Consento Apps to be able to communicate with each other they need to have the same server specified.
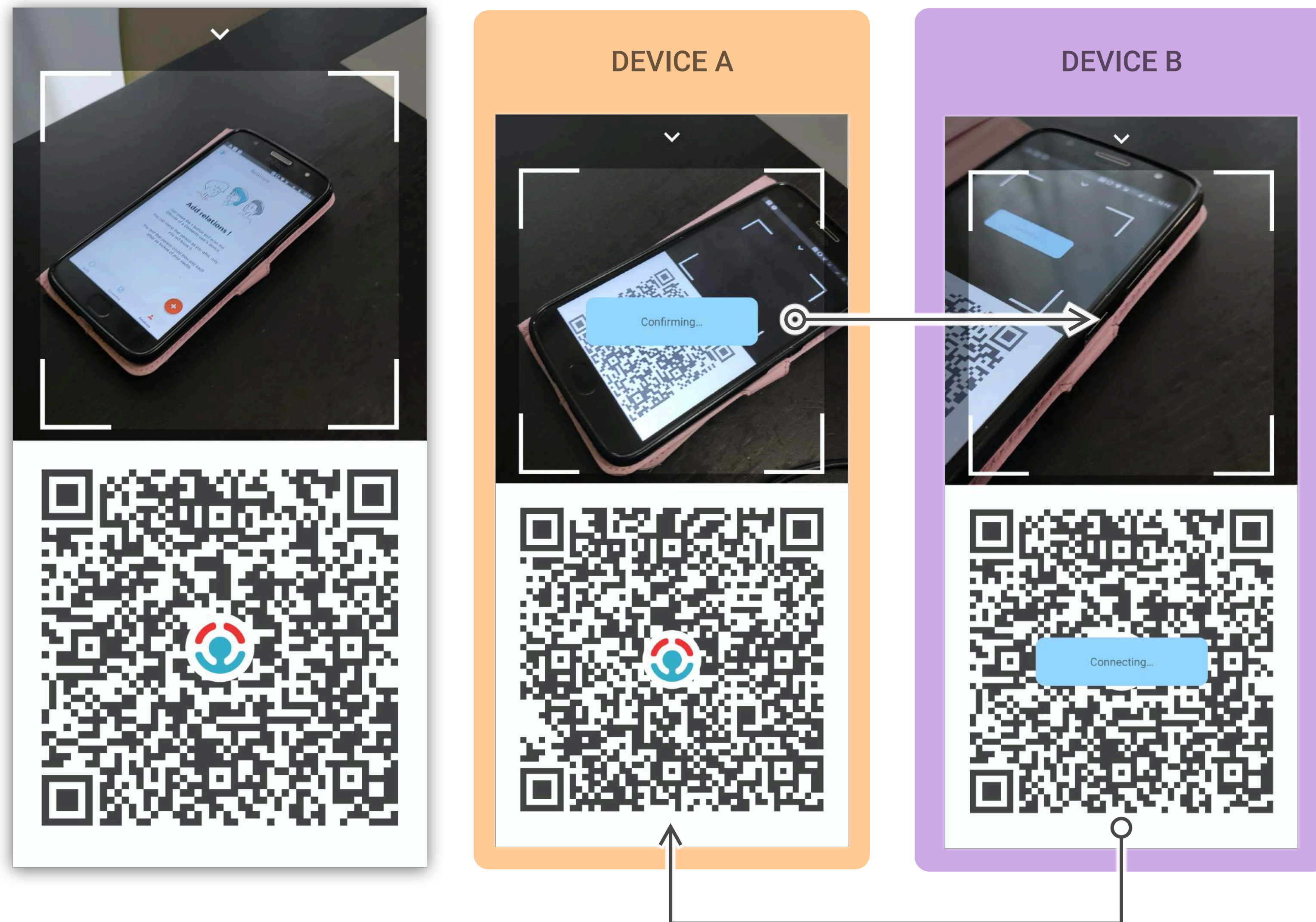
On the vaults screen you may also notice a cryptic string below the vault name. This is the actual name of the vault. Even if you give two vaults the same name, they are two different vaults.

OPEN

My Contracts

CR8Q-3FRP-NDRH
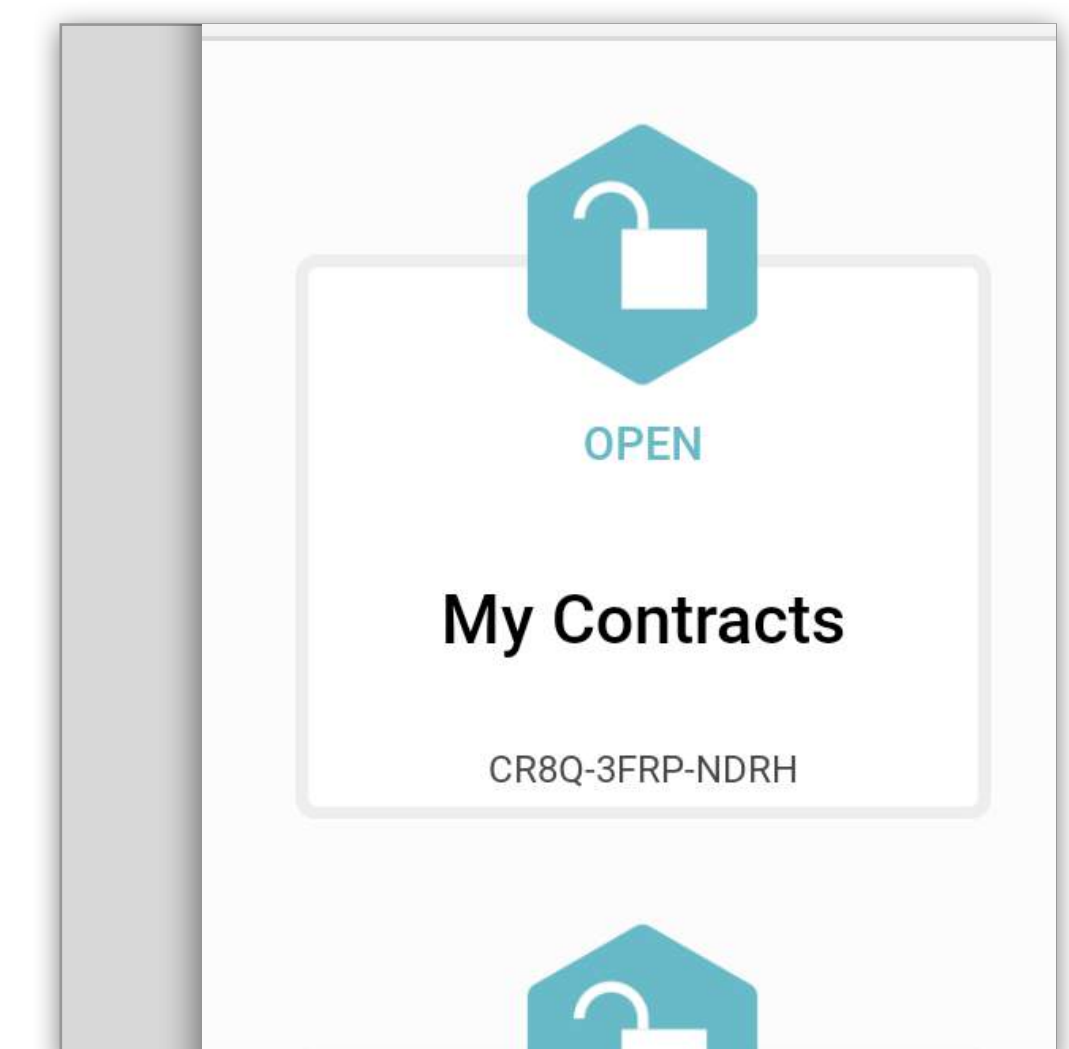
To connect two Consento Apps you need to press the ➕ button on the **relations-screen** on both devices!

In the camera dialog, one device needs to scan the QR-code that is shown on the other device.
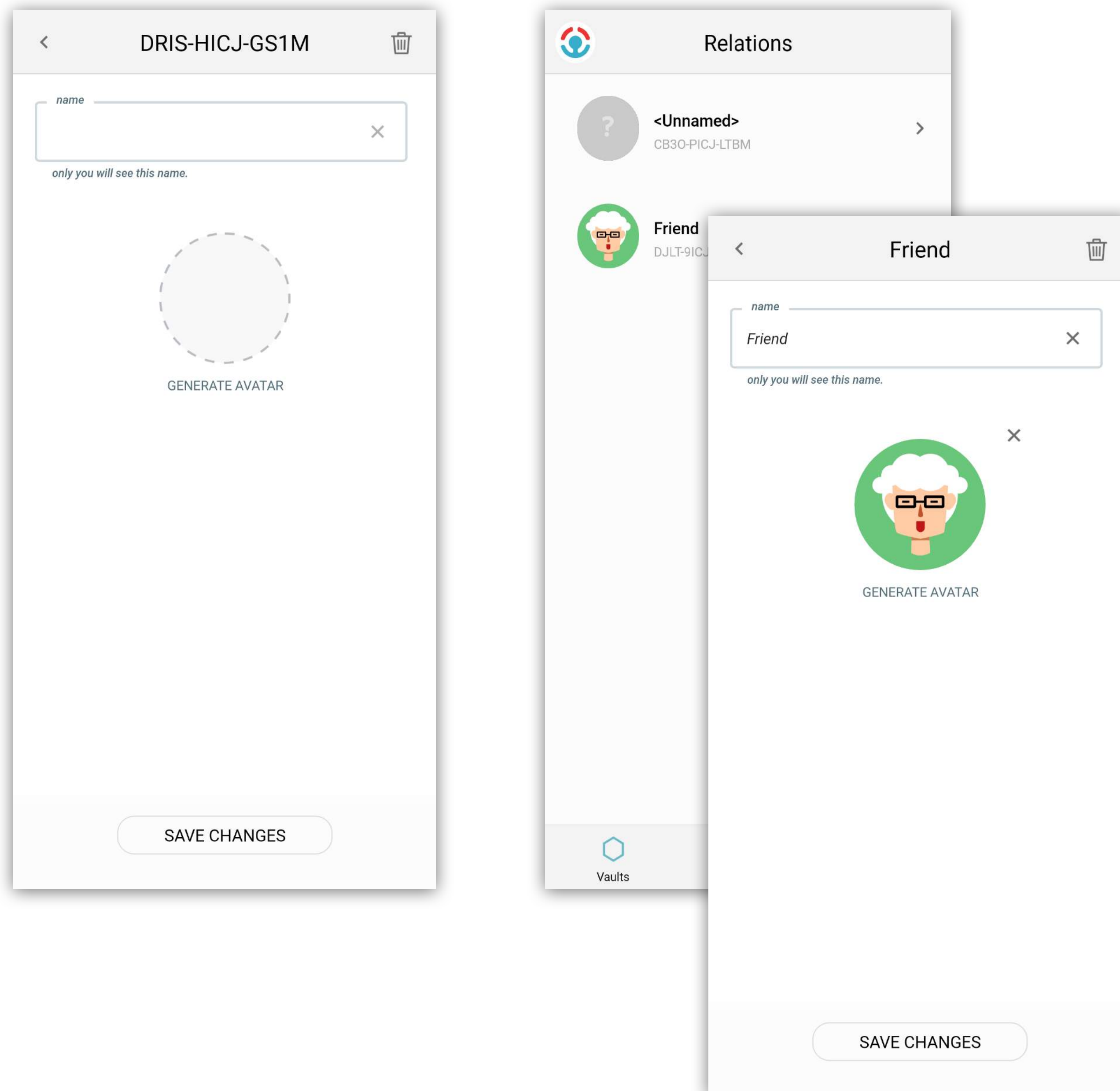
It may take a little but eventually blue status texts will appear, indicating that the devices are exchanging secrets with each other.

The QR-code will be newly generated every time this process is started and is only valid as long as this camera screen is not closed! →

A new relation

After a successful connection you can see a unnamed relation display without an avatar.

The relation can be used without a name and sometimes it might be a good for the user, to be the only one to remember who that relation belongs to.

To make it easier to remember who-is-who, we designed generic but memorable avatars that may hint how a person looks like but doesn't reveal more details about them.
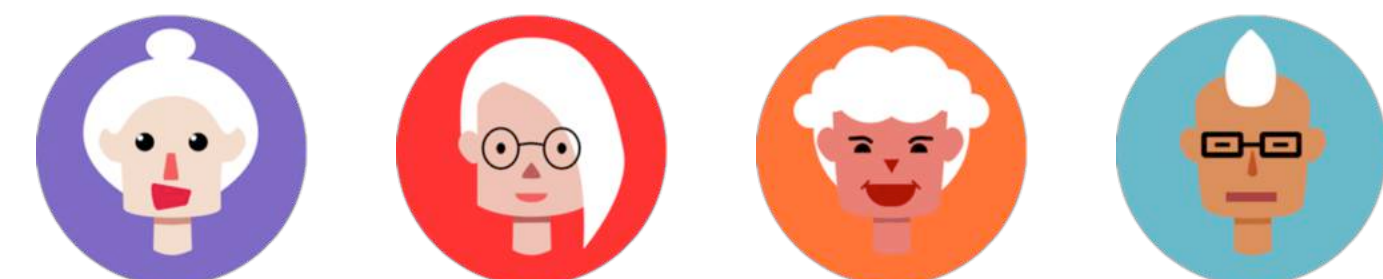
The best name/avatar combination is one that you can remember but others can not imagine.

Screen 1 — FILES

< My Contracts ✏ 🗑

LOCK

FILES | LOCKS | LOGS

No data yet...

In this MVP version of Consento,
you can upload pictures
or create text file.
No maximum file size. Your device will
tell when it is full.

Note: This is a MVP version. Data will
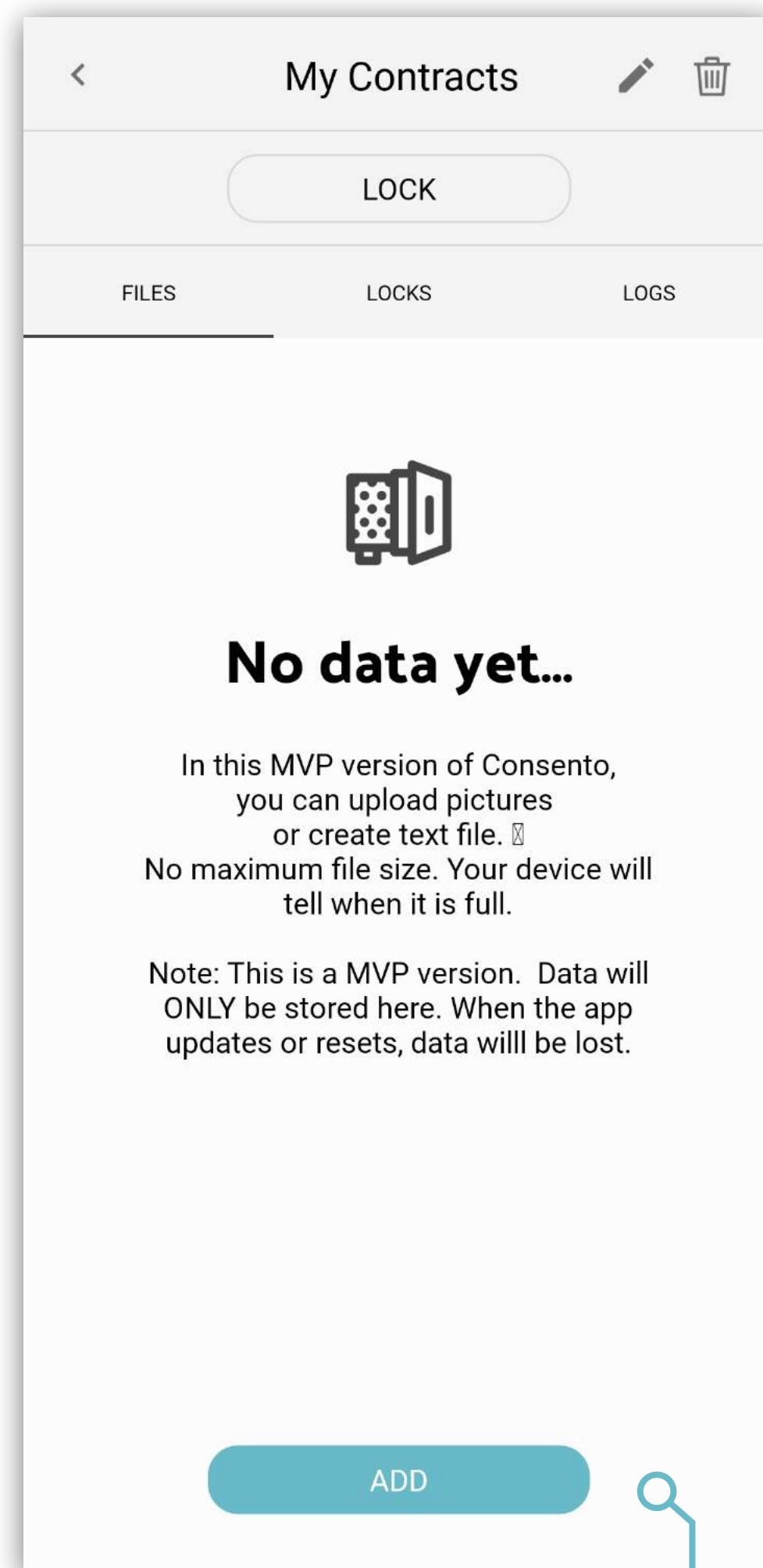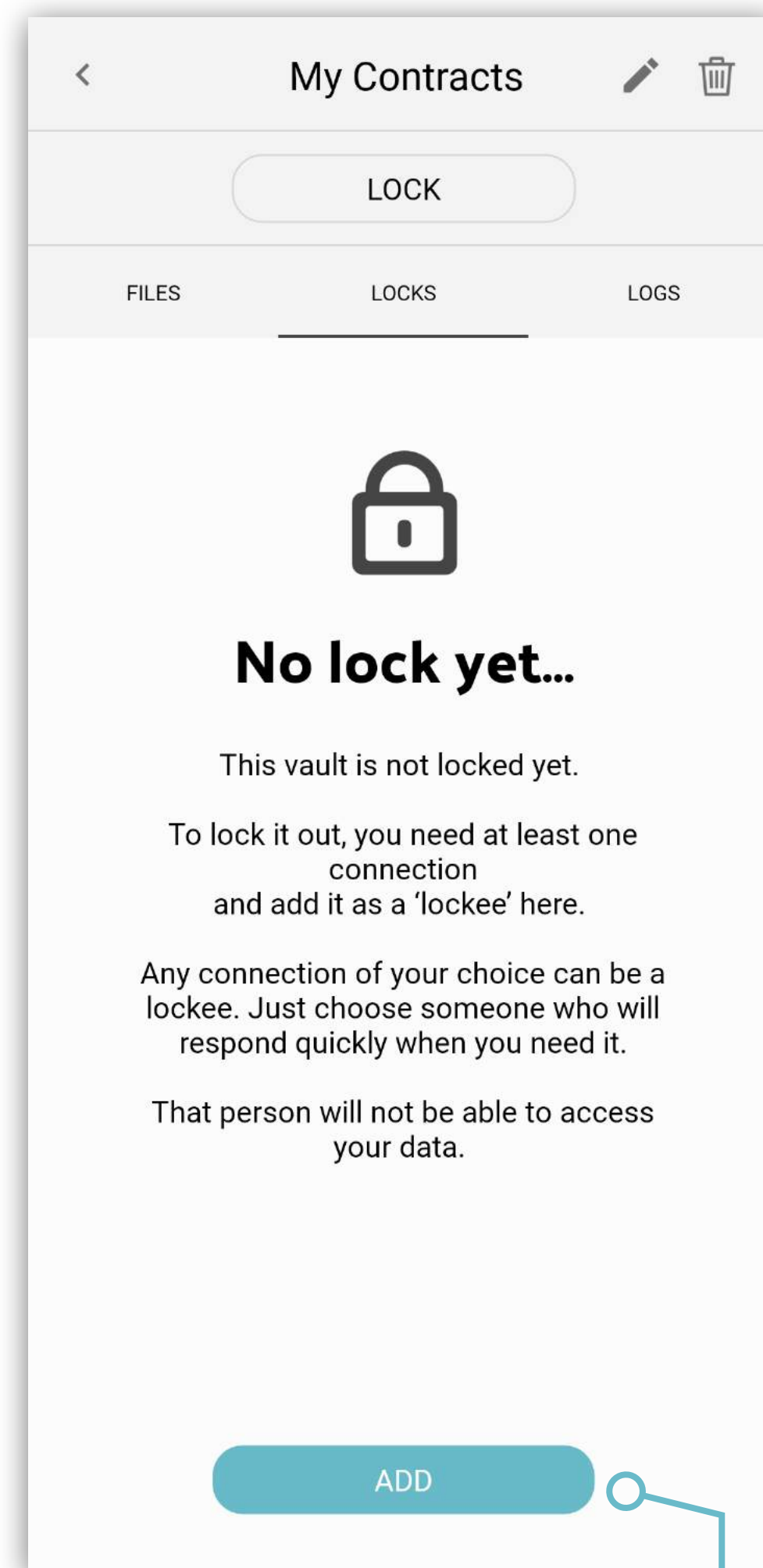ONLY be stored here. When the app
updates or resets, data willl be lost.

ADD

Screen 2 — LOCKS

< My Contracts ✏ 🗑

LOCK

FILES | LOCKS | LOGS

No lock yet...

This vault is not locked yet.

To lock it out, you need at least one
connection
and add it as a 'lockee' here.

Any connection of your choice can be a
lockee. Just choose someone who will
respond quickly when you need it.

That person will not be able to access
your data.

ADD

Screen 3 — LOGS

< My Contracts ✏ 🗑

LOCK

FILES | LOCKS | LOGS

32 seconds ago

You successfully unlocked this vault!

44 seconds ago

You asked to unlock this vault.

9 minutes ago

You successfully unlocked this vault!

9 minutes ago

You asked to unlock this vault.

11 minutes ago

You successfully unlocked this vault!

11 minutes ago

You asked to unlock this vault.

14 minutes ago

You successfully unlocked this vault!
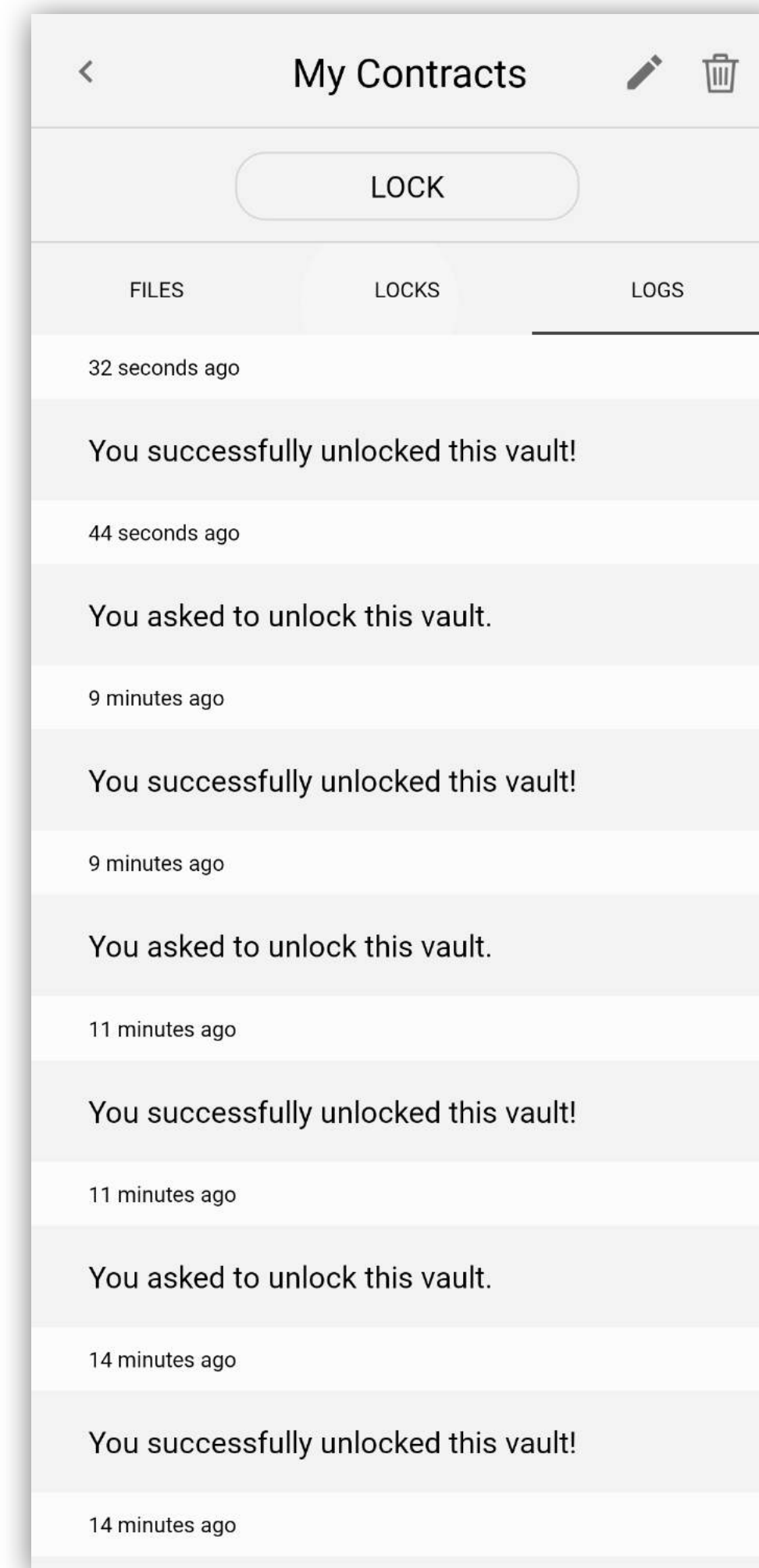
14 minutes ago

to add data

to add lockee

On the **vault-screen** it is possible to change the name of a vault, manage files and specify locks.

In this first version we added only a simple file browser. Depending on user-interest and feasibility, we will add different ways to interact with a vault in future. (P.9-10)

The **locks-screen** allows to specify relations that can help lock and unlock a vault. (P.11-12)

To keep track of what is happening with a vault the **log-screen** reveals a list of previous interactions.

Consento v1
Image Documents
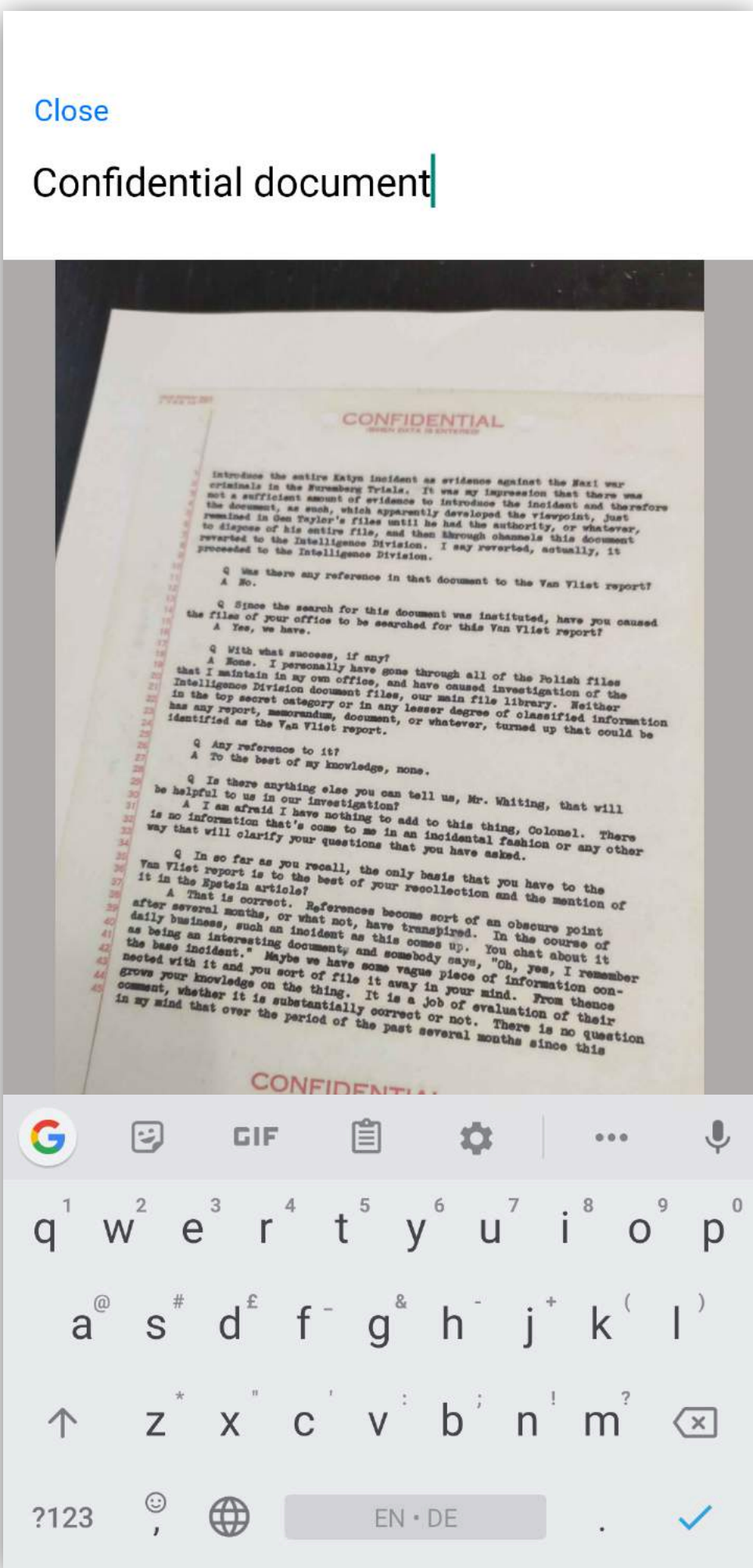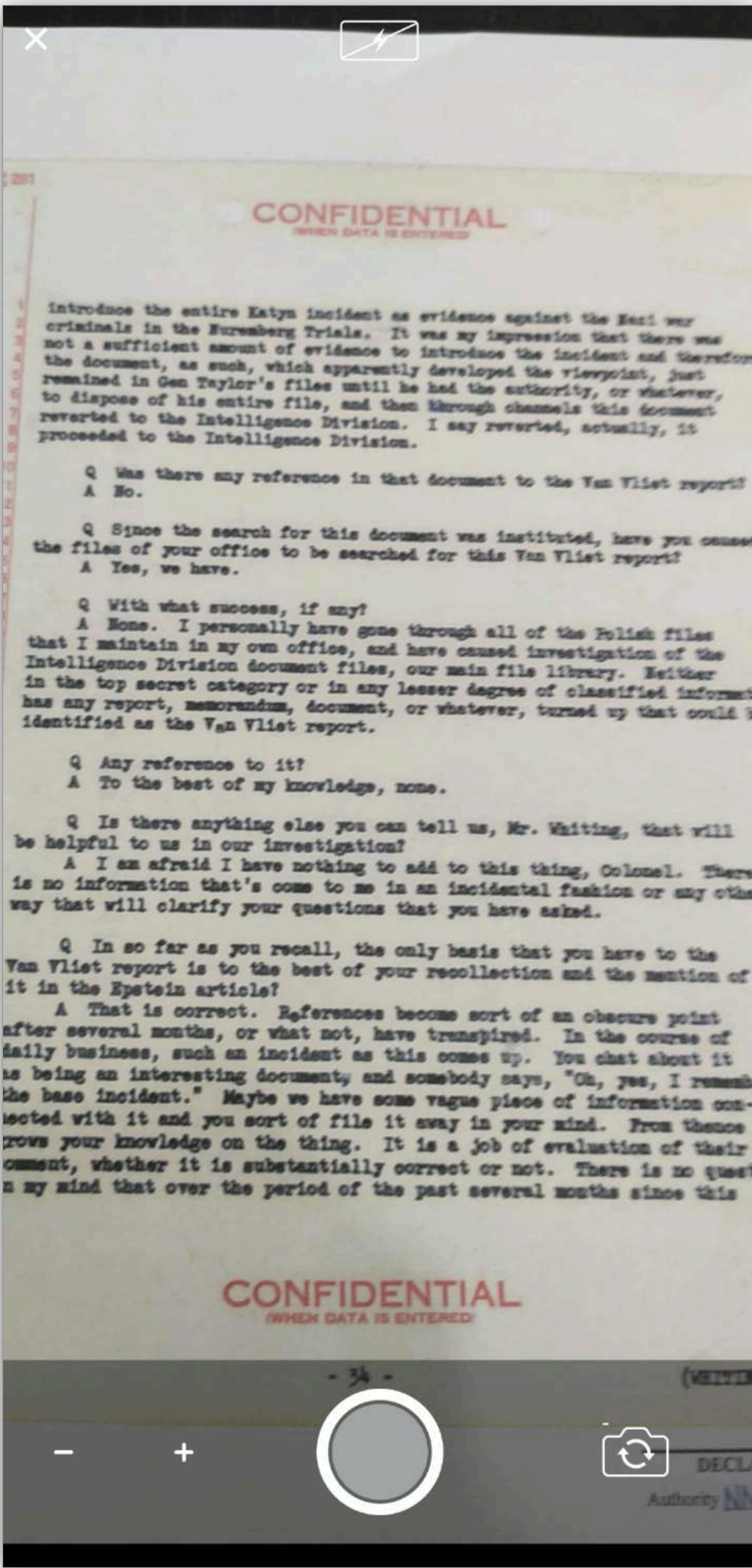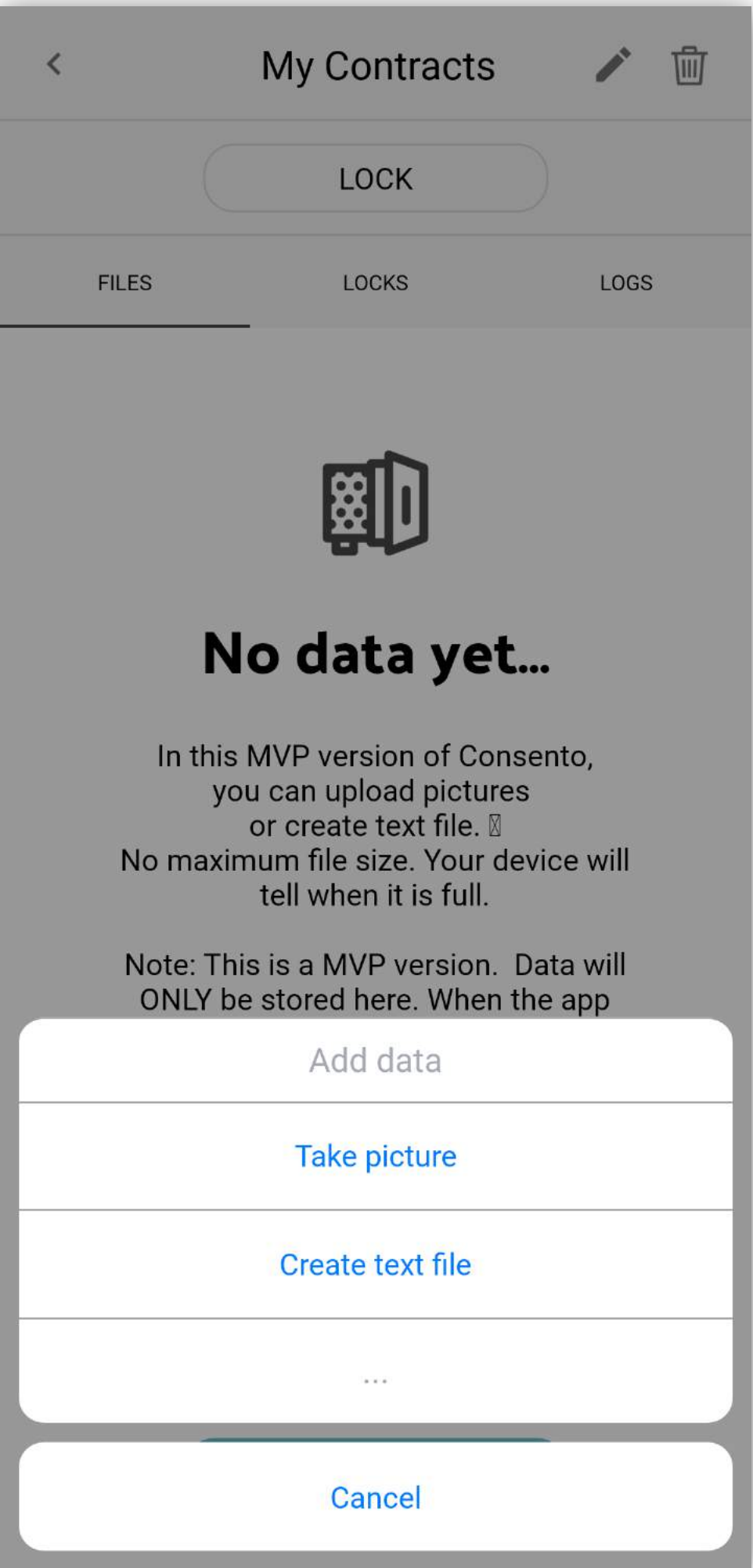
We implemented a custom encrypting camera for Cosento that can be reached through **"Take Picture"**

Any picture will be automatically stored on your device in a way that it can only be shown through Consento.

This makes it safe to store very senstive documents in consento.

You can also name the documents, so you later know what is in them.

If you like this system but need special features, please don't send us an issue:

https://github.com/consento-org/
mobile/issues/new

Consento v1
File Management
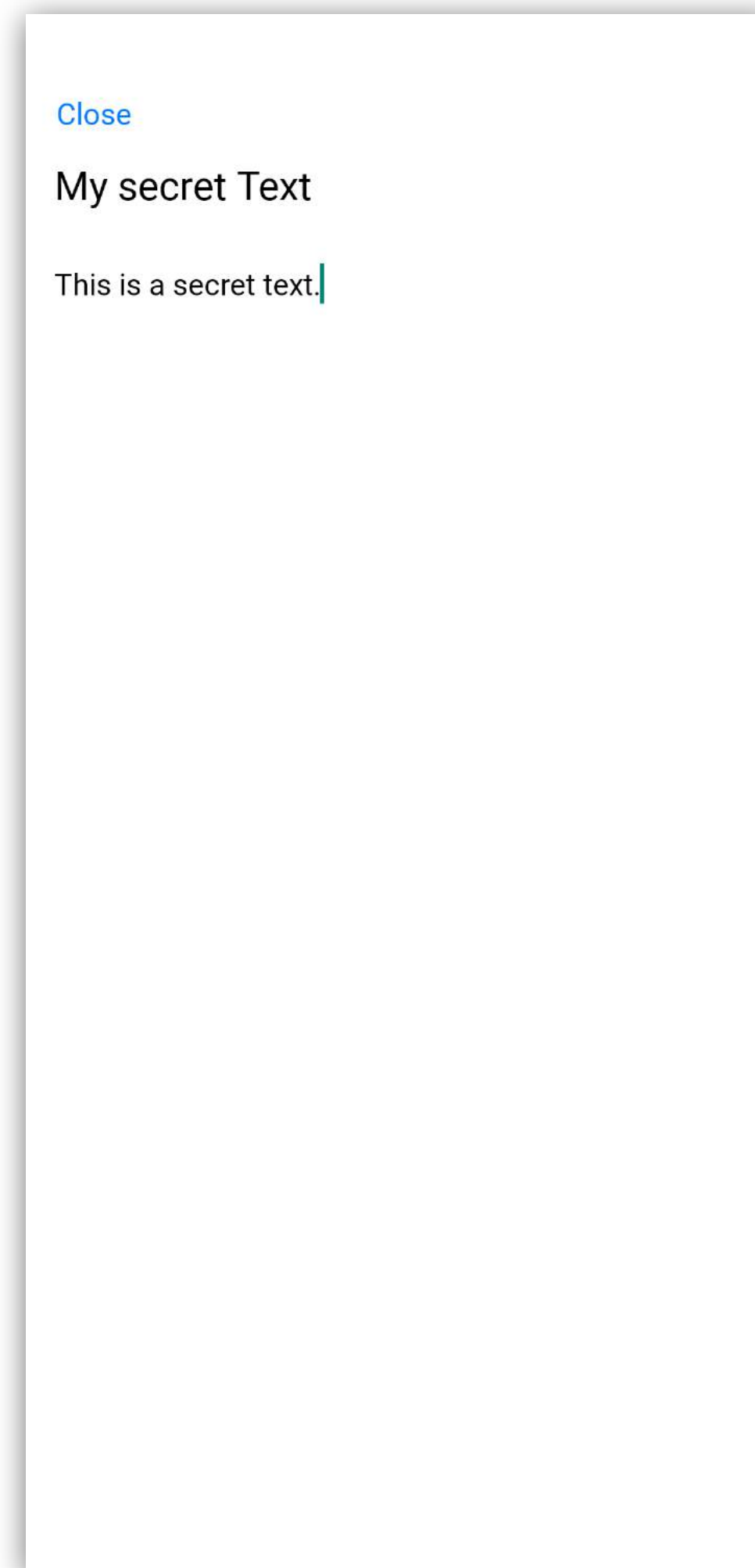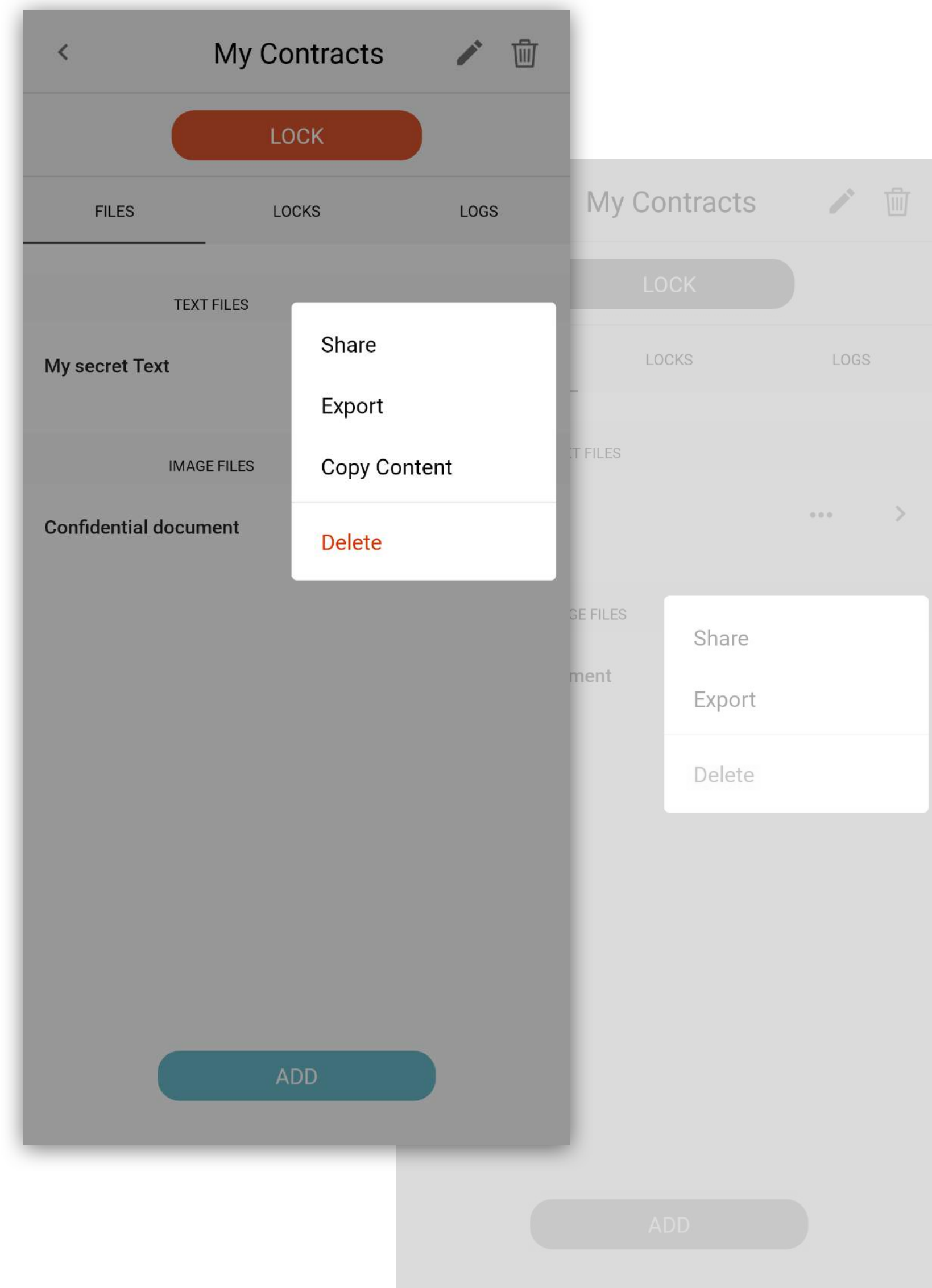
Same as with pictures it is possible to add text documents to the vault. Of course texts are also strongly encrypted.

We understand that it might be problematic to have files in the vault and can't take them out.

Through the ●●● button you can reach extra actions that allow to share, export and copy the content, in case you need to get a file out from the encrypted storage.

It is also possible to delete files through this dialog.

Consento v1
Add Lockee to Vault

DEVICE A

| My Contracts |
| LOCK |
| FILES · LOCKS · LOGS |

No lock yet...

This vault is not locked yet.

To lock it out, you need at least one connection
and add it as a 'lockee' here.

Any connection of your choice can be a lockee. Just choose someone who will respond quickly when you need it.
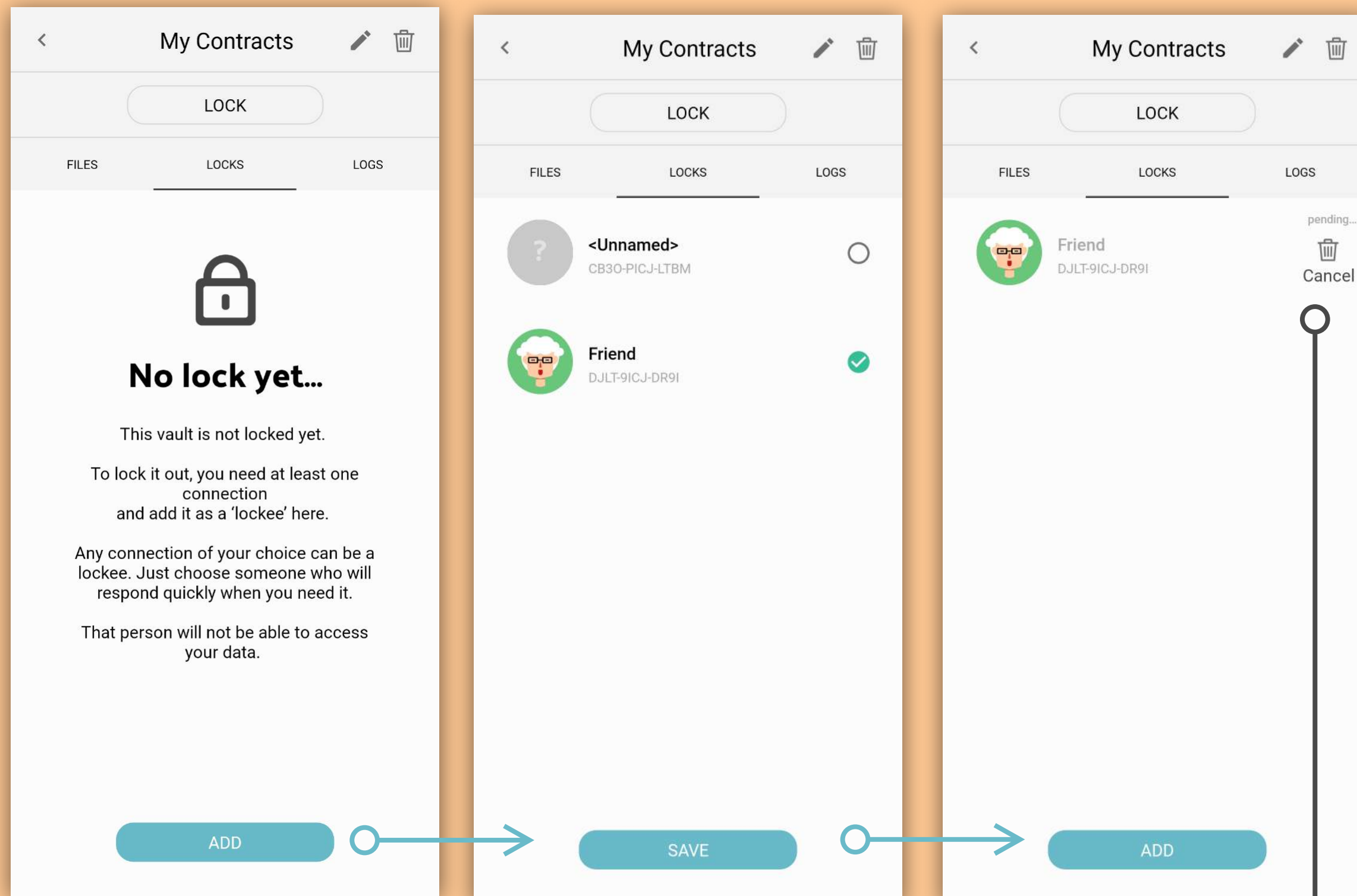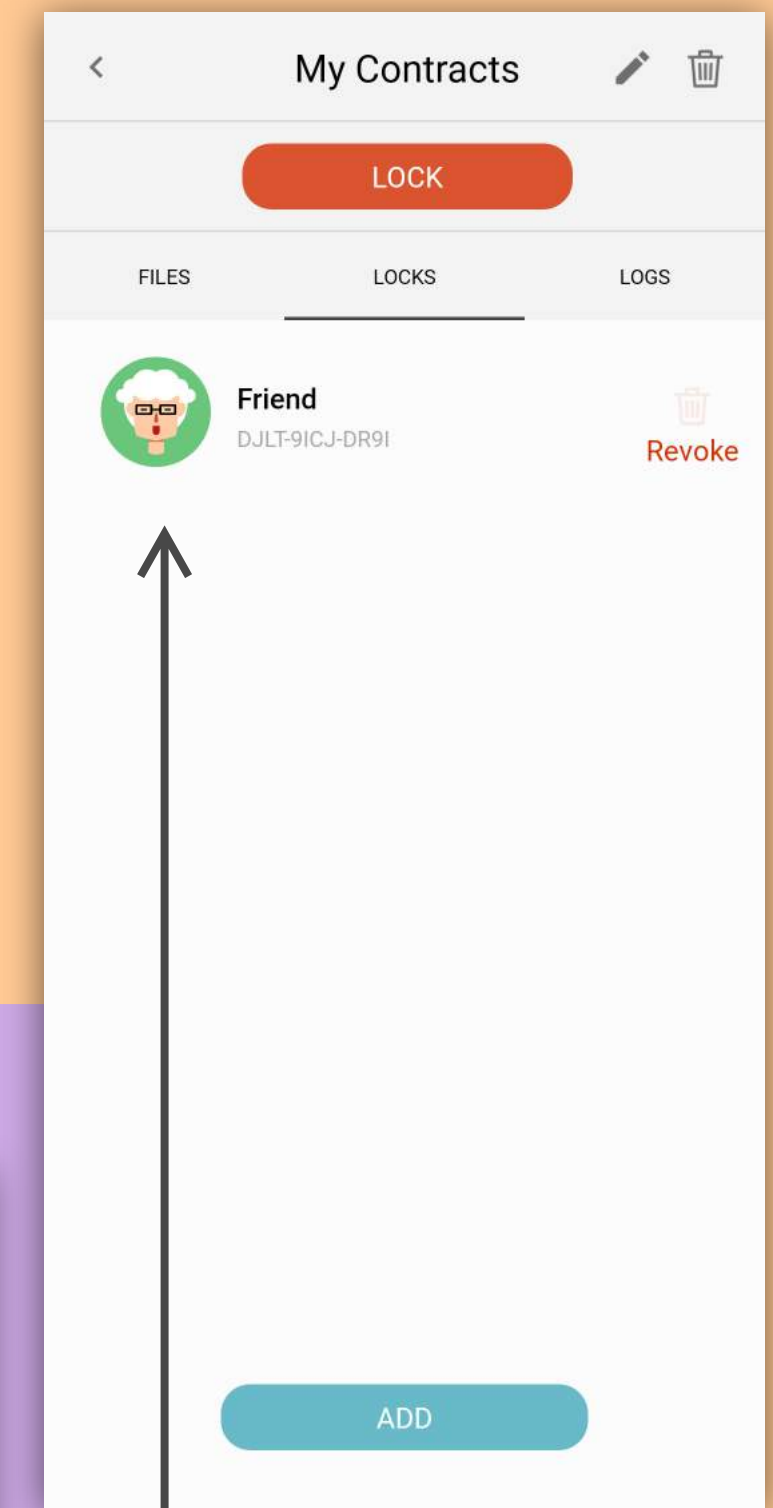
That person will not be able to access your data.

ADD

| My Contracts |
| LOCK |
| FILES · LOCKS · LOGS |

<Unnamed>
CB3O-PICJ-LTBM ○

Friend
DJLT-9ICJ-DR9I ✓

SAVE

| My Contracts |
| LOCK |
| FILES · LOCKS · LOGS |

pending...

Friend
DJLT-9ICJ-DR9I 🗑 Cancel

ADD

Only by accepting the request a vault becomes lock-able.

Once a vault can be locked, the secret will not be stored anymore on the device and a restart of the app will lock automatically.
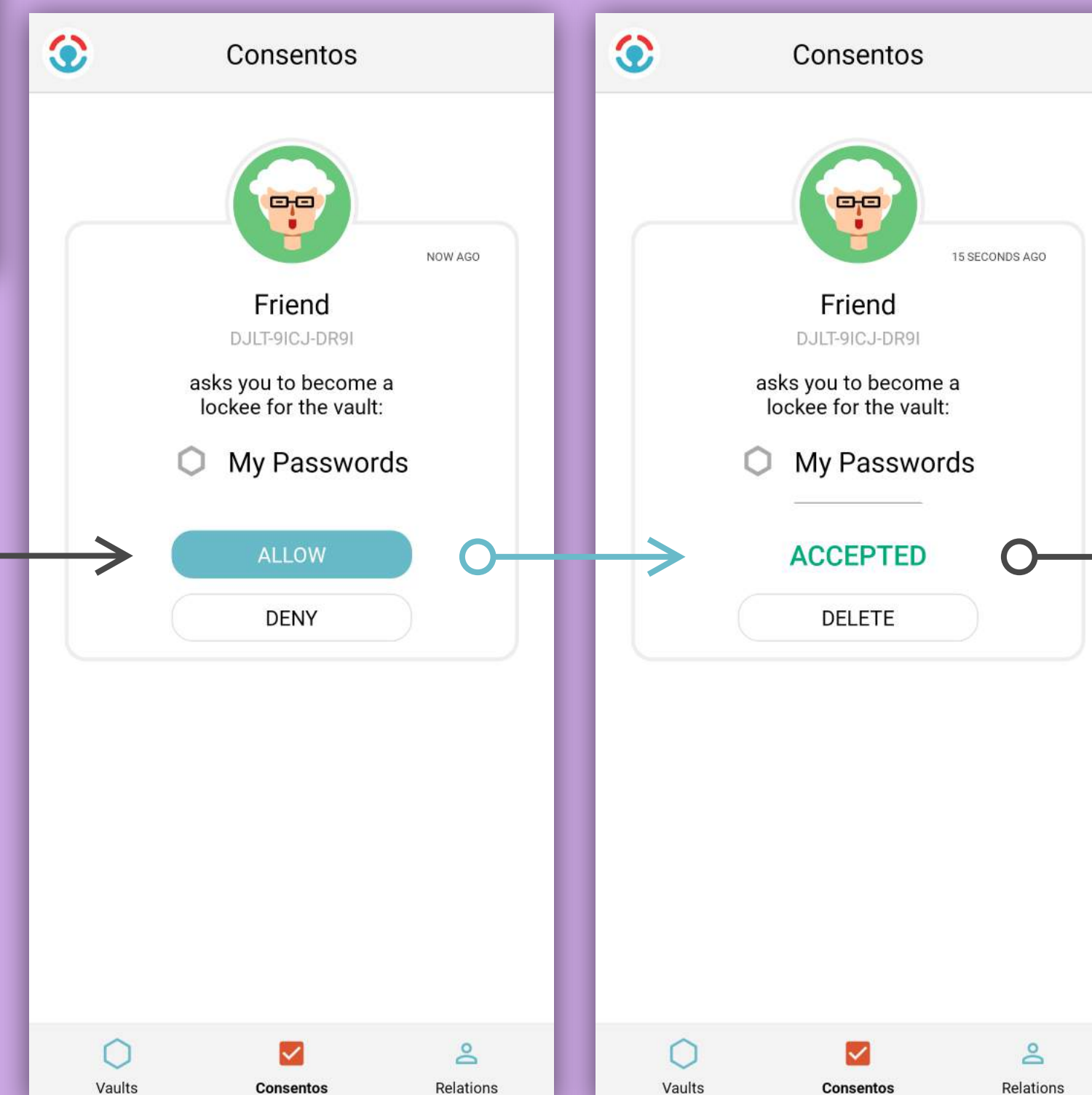

| My Contracts |
| LOCK |
| FILES · LOCKS · LOGS |

Friend
DJLT-9ICJ-DR9I 🗑 Revoke

ADD

DEVICE B

Consentos

Friend
DJLT-9ICJ-DR9I

NOW AGO

asks you to become a lockee for the vault:

◇ My Passwords

ALLOW

DENY

Vaults · Consentos · Relations

Consentos

Friend
DJLT-9ICJ-DR9I

15 SECONDS AGO

asks you to become a lockee for the vault:

◇ My Passwords

ACCEPTED

DELETE

Vaults · Consentos · Relations

To be able to lock a vault, it is necessary to add a lockee through **"add"** on the vaults screen.

After selecting some of the available relations and pressing **"save",** a request will be sent those relations, asking if they want to become a lockee.

Lockees can not see the content of a vault.

Unlocking a vault

The first relation that accepts the request will be unlock the vault.

Once unlocked it can be used normally again until the app closes or it is locked manually again.

Clicking on a locked vault will start the unlock process.

The app will send unlock requests to all relations that have been previously registered as lockees.

The request has a time-limit. If no relation responds within the time-limit, the vault will stay sealed.