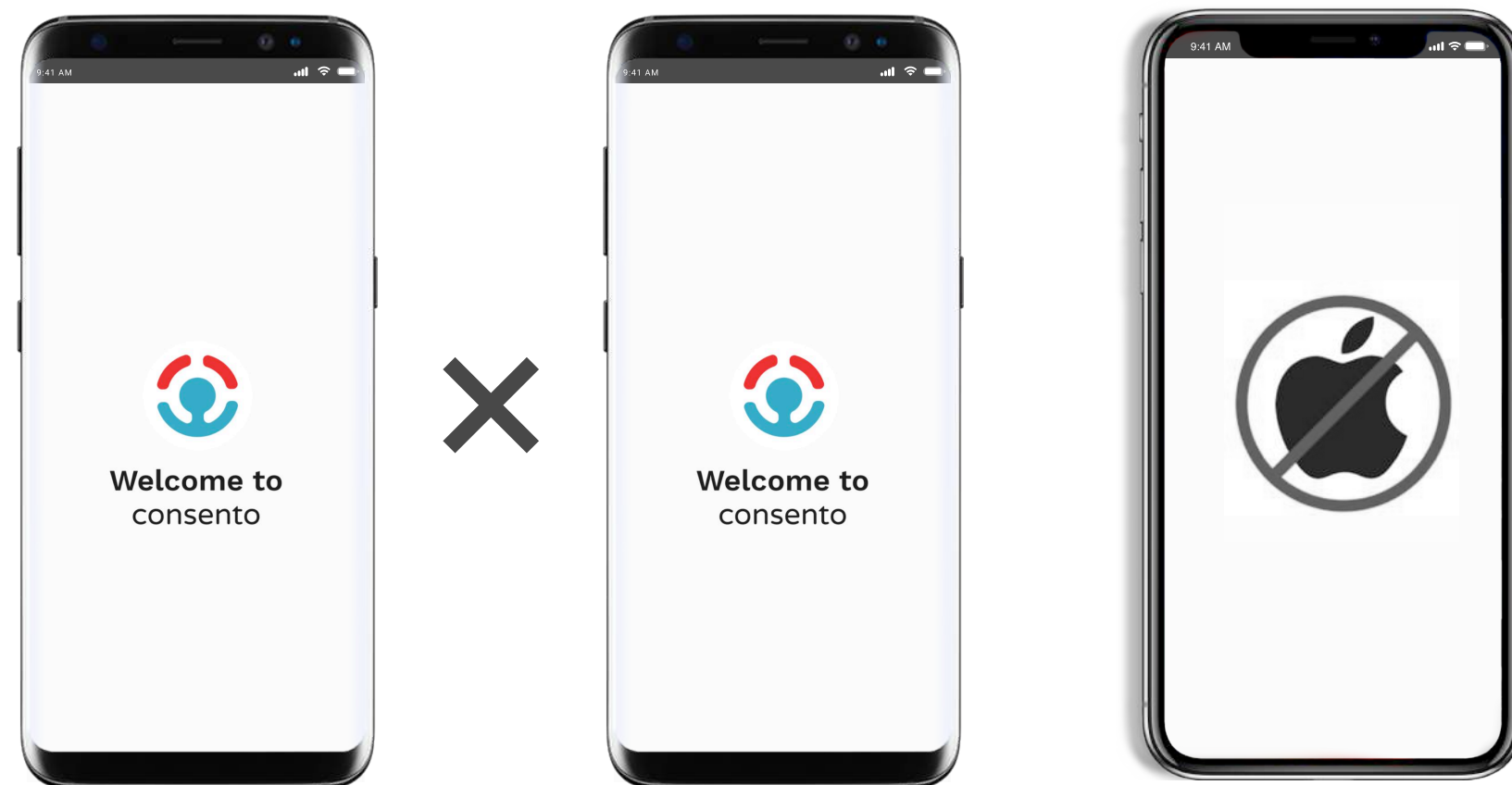


Consento v1

Precursor

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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>

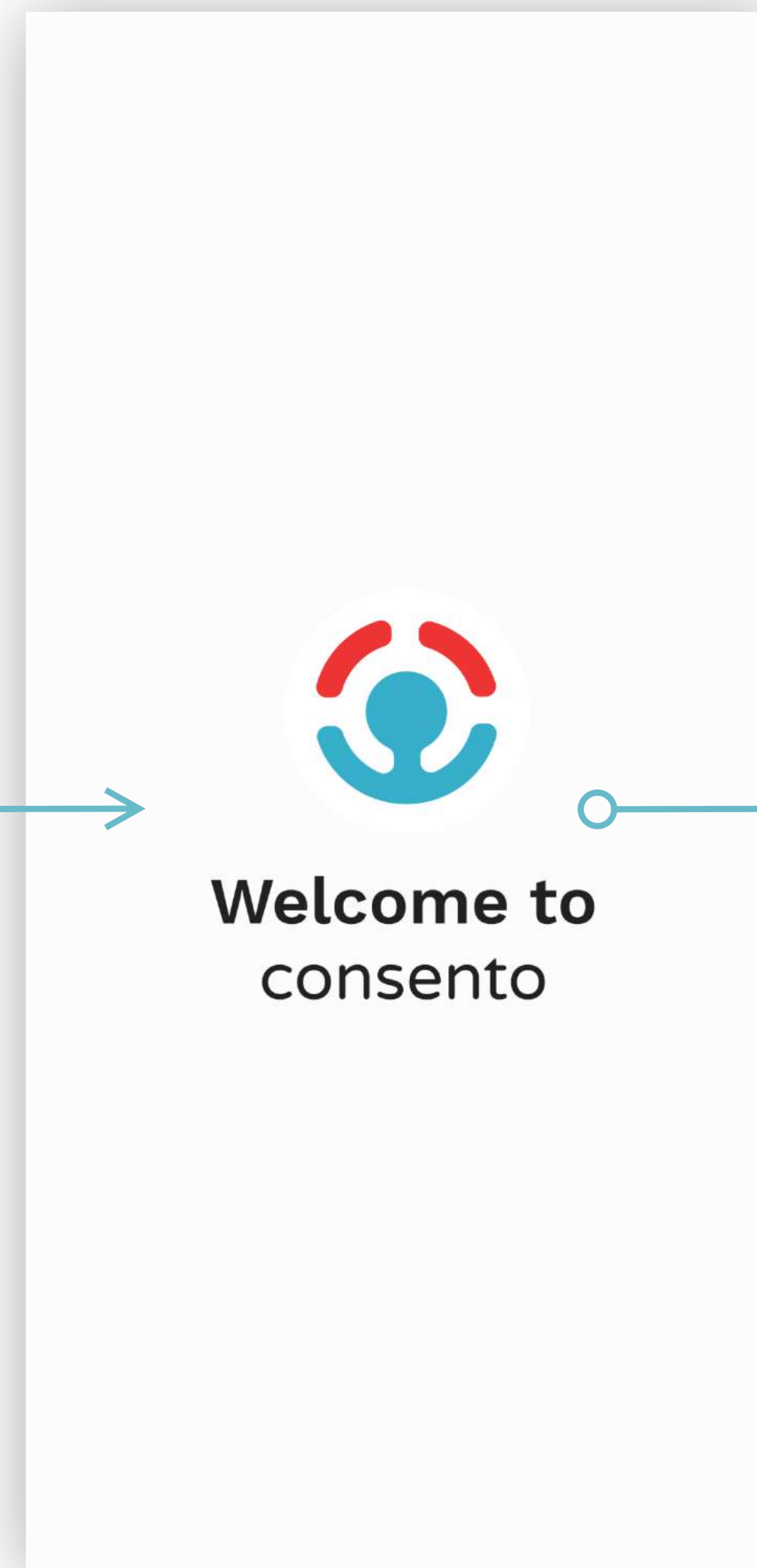
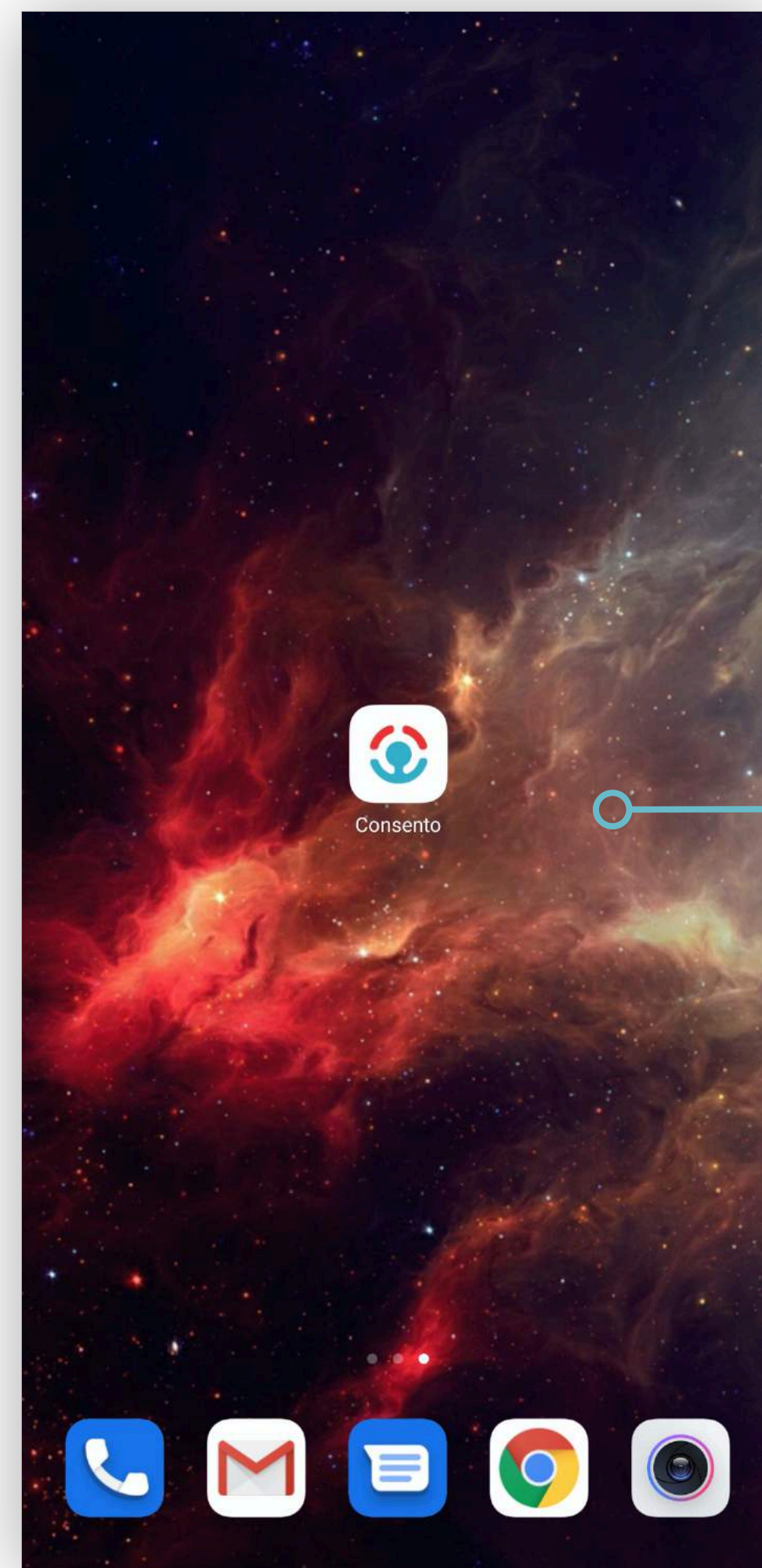


If you want to ensure total privacy in your testing process you will need to start the `@consento/notification-server` which is built on nodejs.

Consento v1

Start

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to **Homescreen**

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.

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>

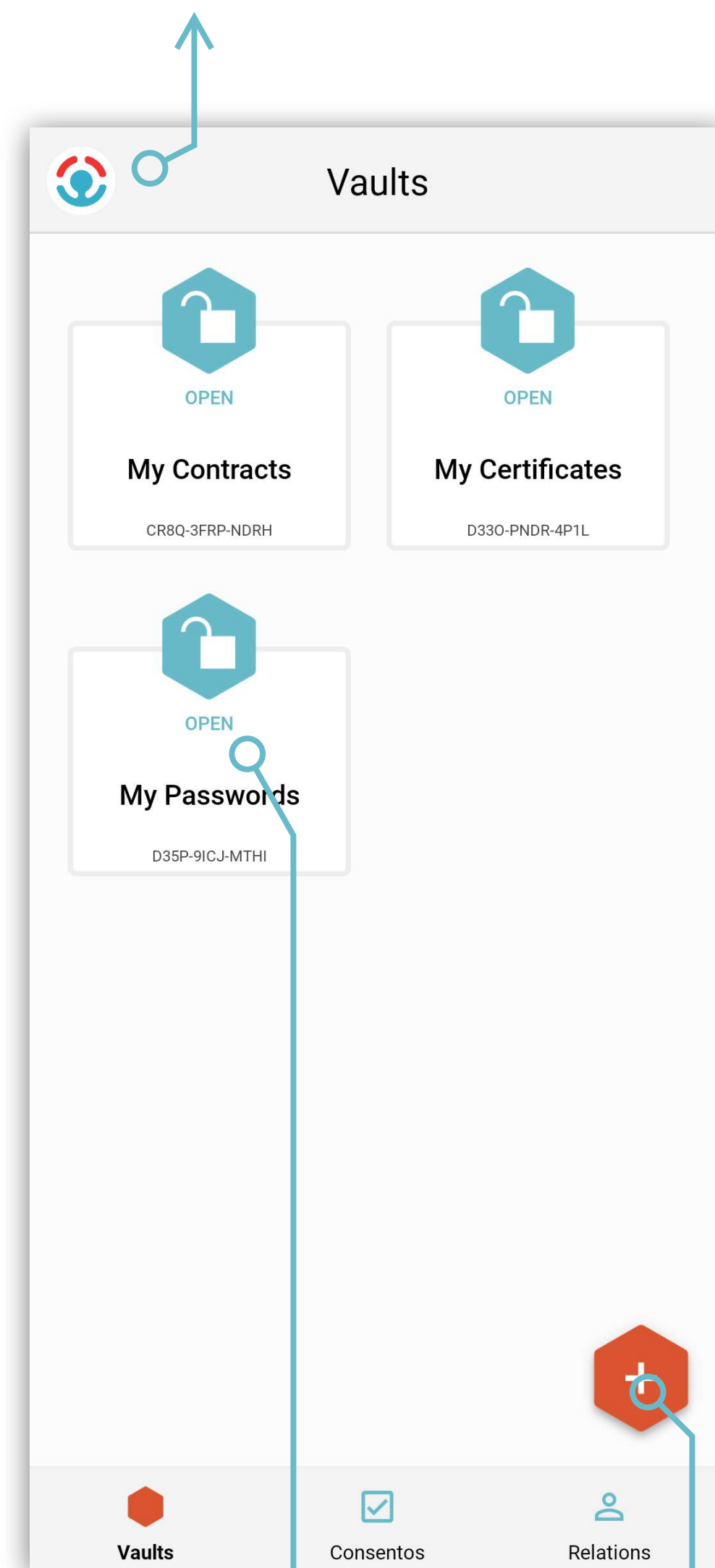


Consento v1

First Use / Homescreen

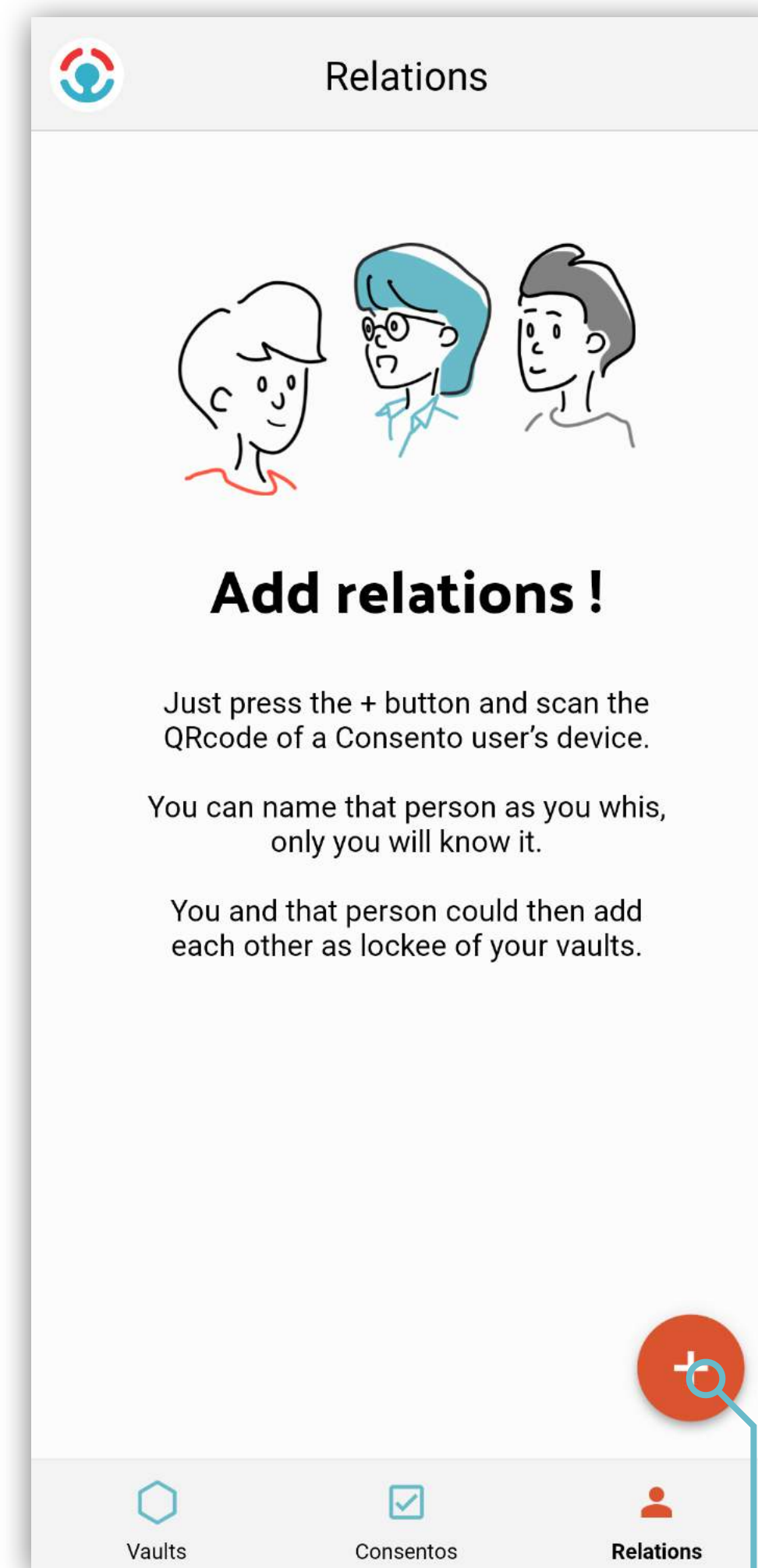
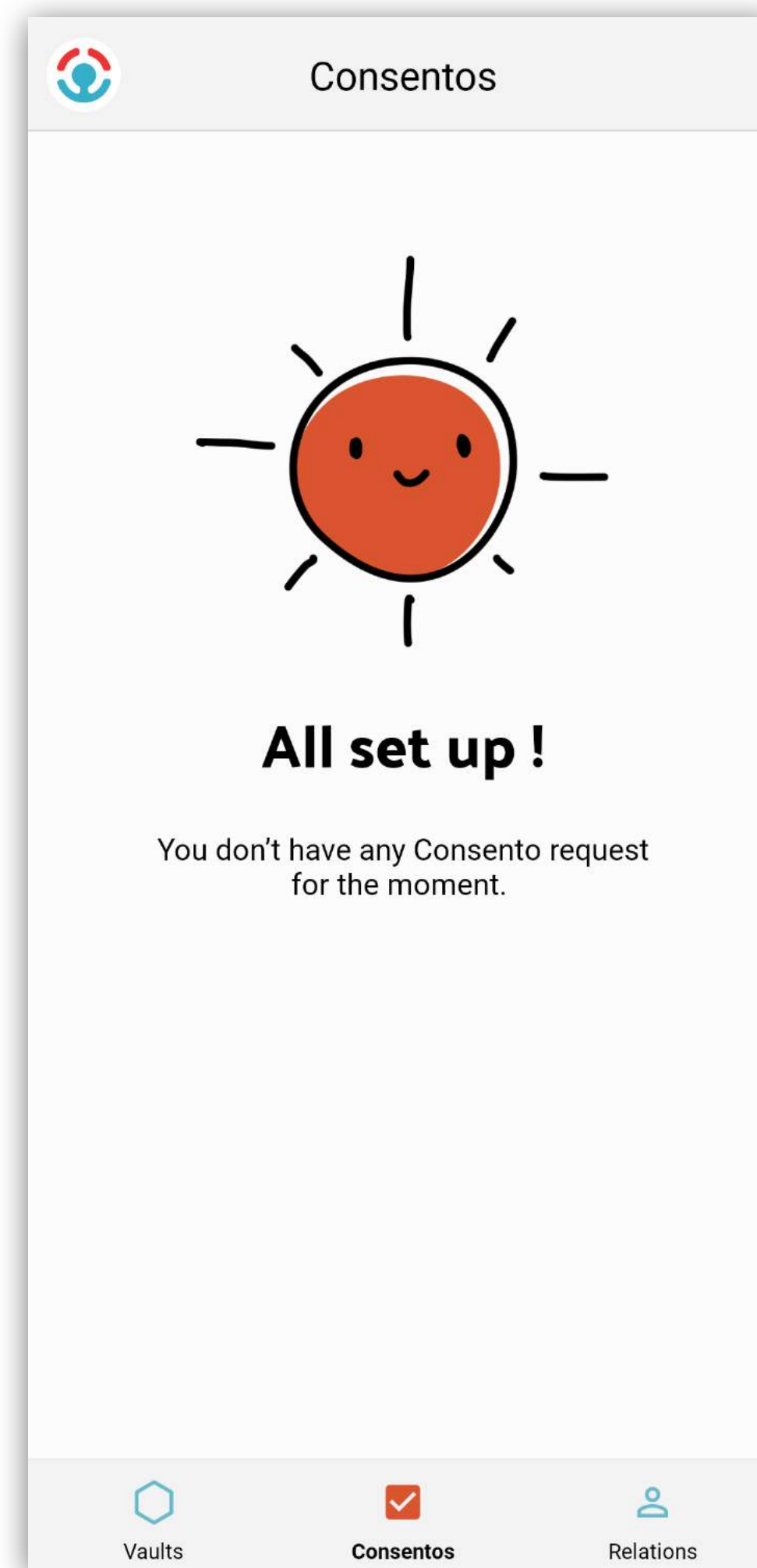
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go to configuration



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.

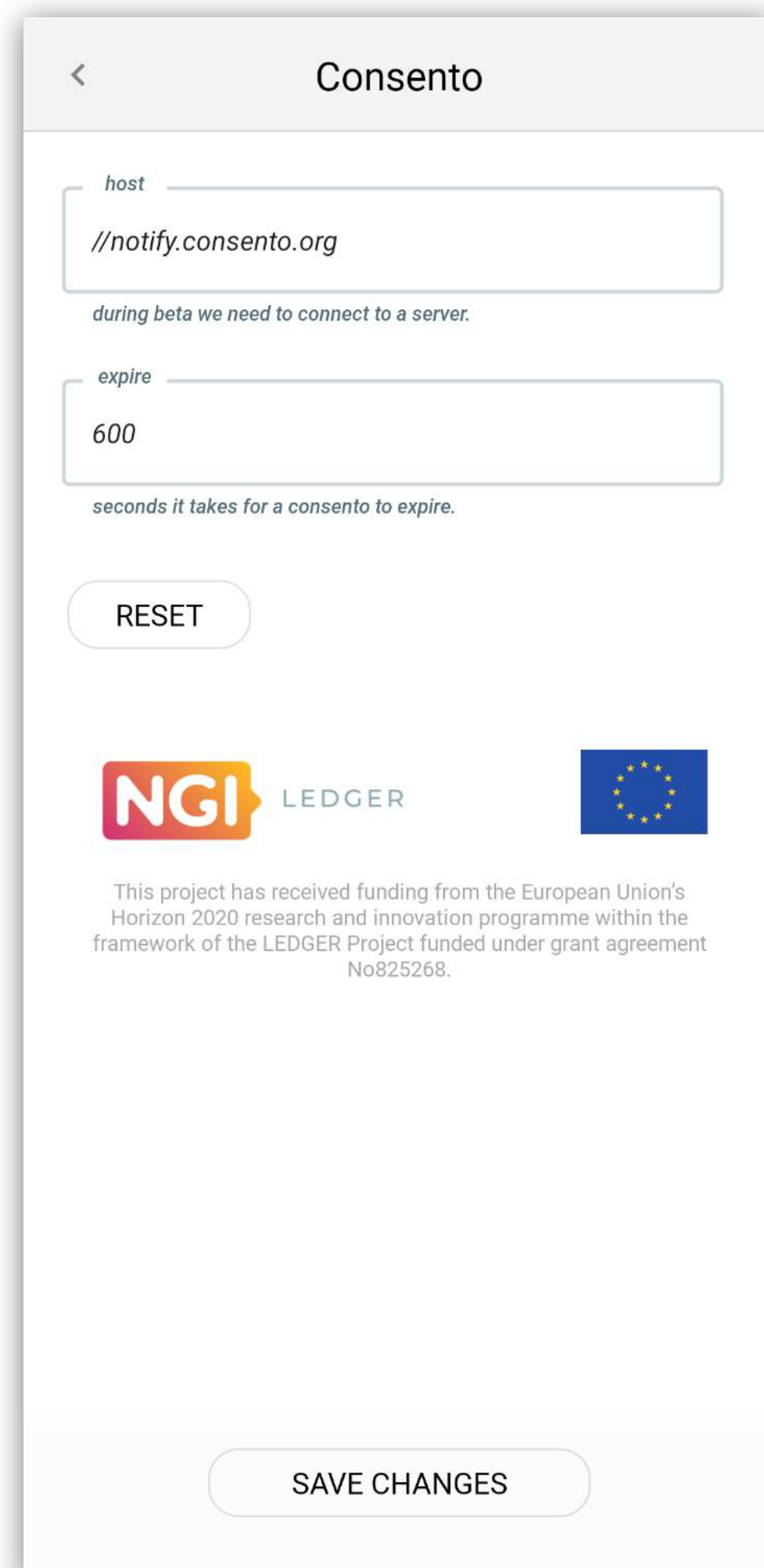
The **consento-screen** is where new requests will be displayed further on.

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

Consento v1

Important details

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The screenshot shows the 'Consento' configuration screen. At the top, there's a back arrow and the title 'Consento'. Below this, there are two input fields. The first is labeled 'host' and contains the text '//notify.consento.org'. Below it, a small note says 'during beta we need to connect to a server.'. The second field is labeled 'expire' and contains the number '600'. Below it, a small note says 'seconds it takes for a consento to expire.'. There is a 'RESET' button below the fields. At the bottom, there are logos for 'NGI LEDGER' and the European Union flag. Below the logos, there is a small text block: 'This project has received funding from the European Union's Horizon 2020 research and innovation programme within the framework of the LEDGER Project funded under grant agreement No825268.'. At the very bottom, there is a 'SAVE CHANGES' button.

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

The host definition is necessary for the devices to communicate.

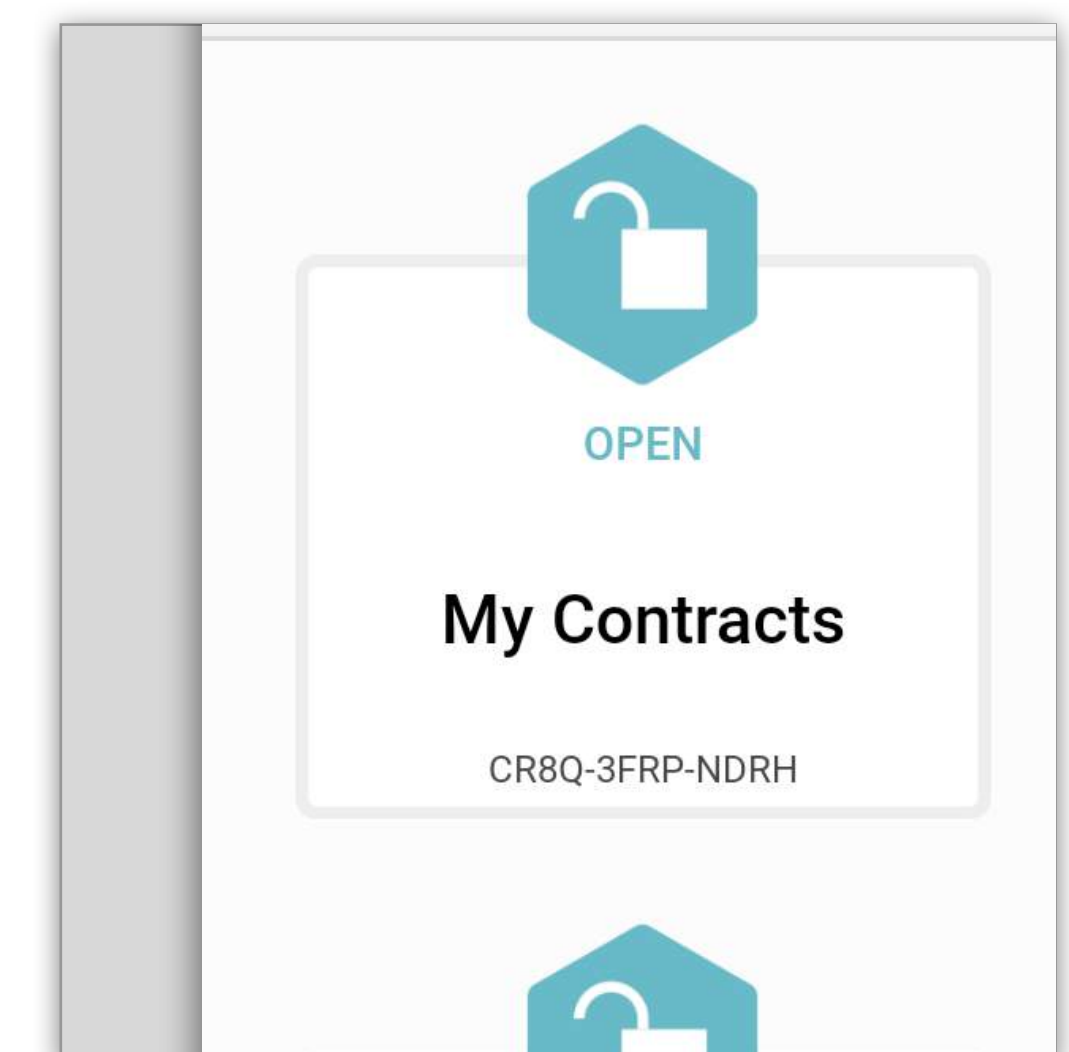
The default domain, **//notify.consento.org** is a small server that runs the opensource server software

<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.

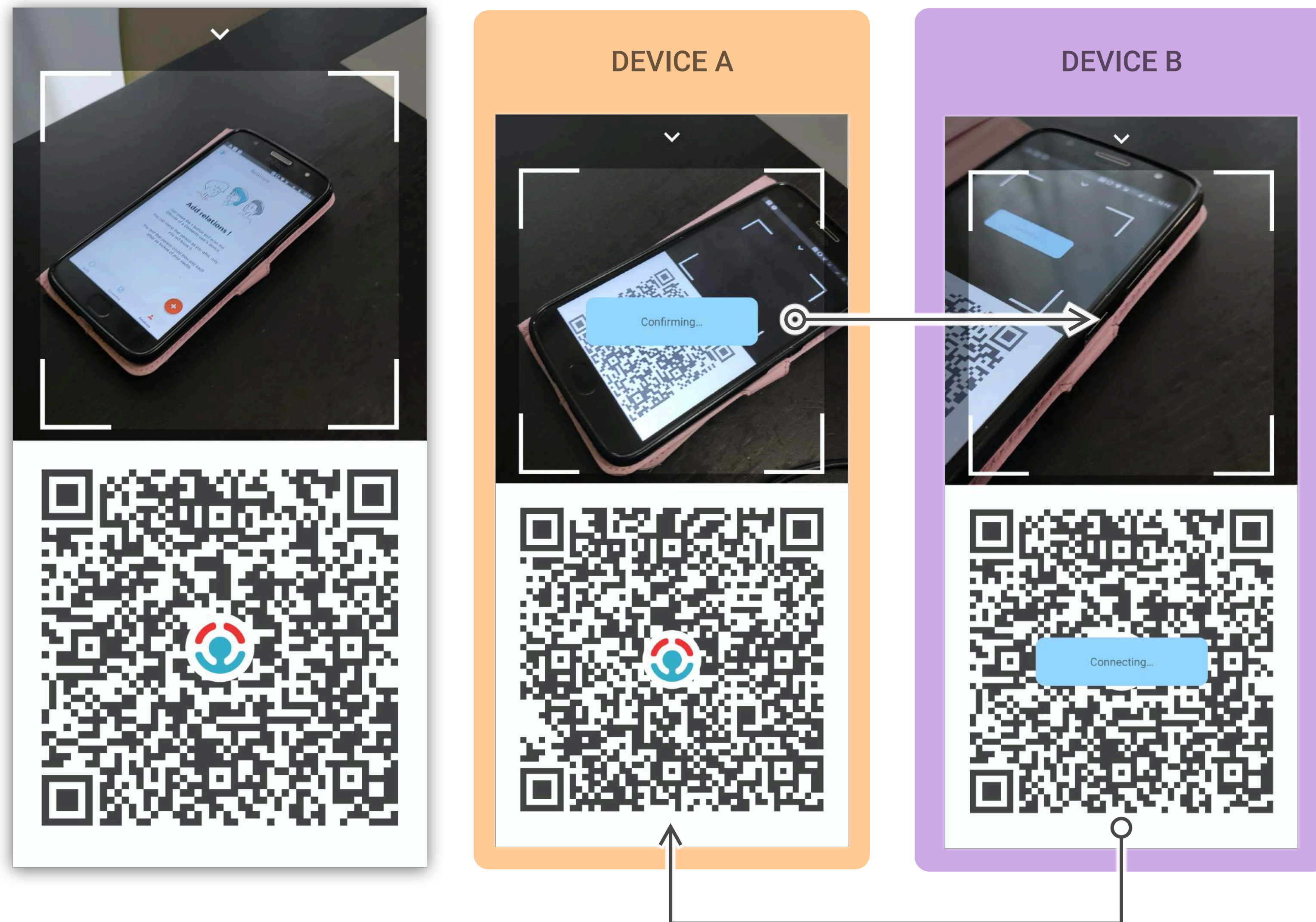
On the vaults screen you may also notice a cryptic string below the vault name. This is the actual name of the vault. Even if you give two vaults the same name, they are two different vaults.



Consento v1

Add a relation

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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.

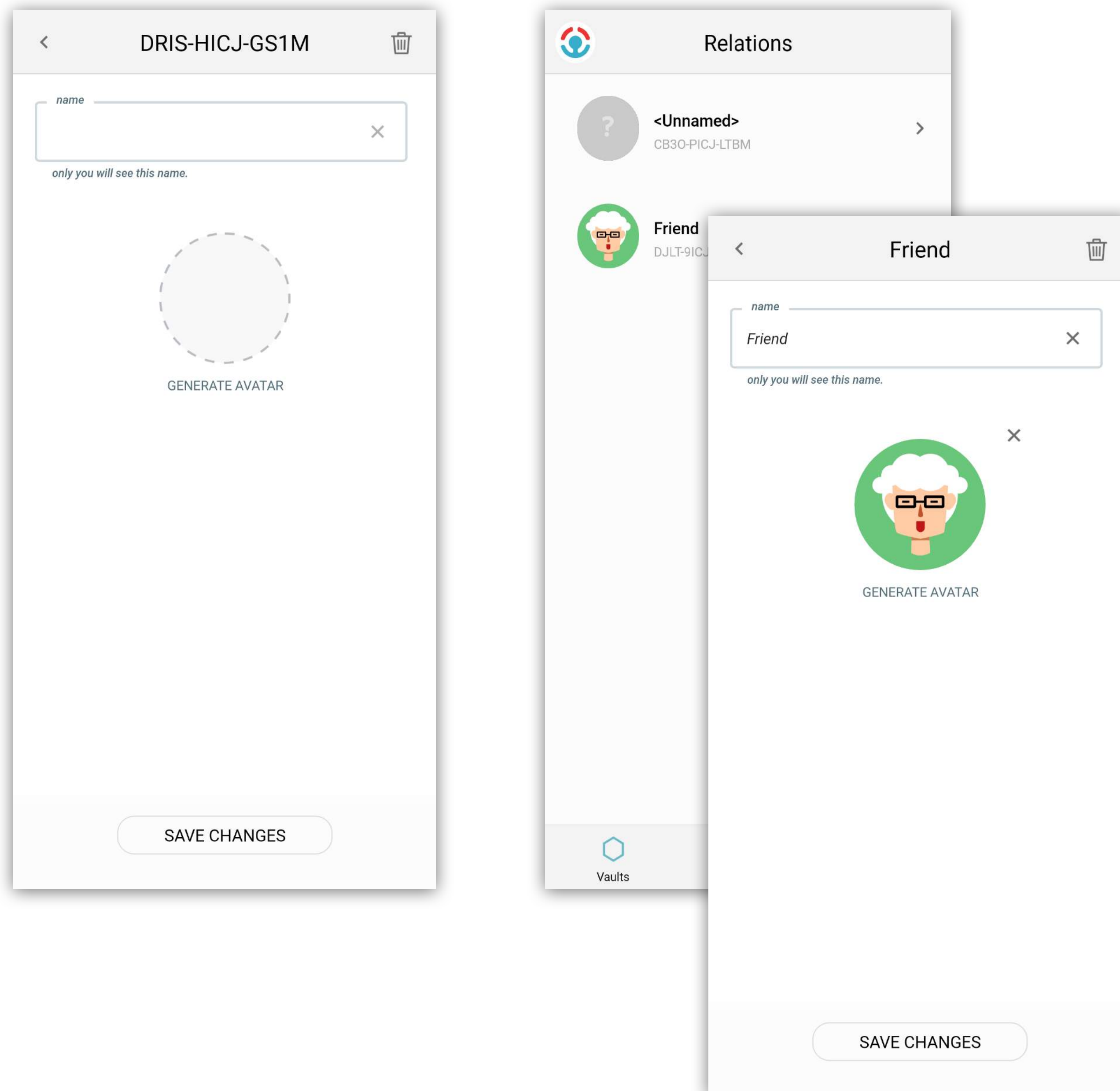
It may take a little but eventually blue status texts will appear, indicating that the devices are exchanging secrets with each other.

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! →

Consento v1

A new relation

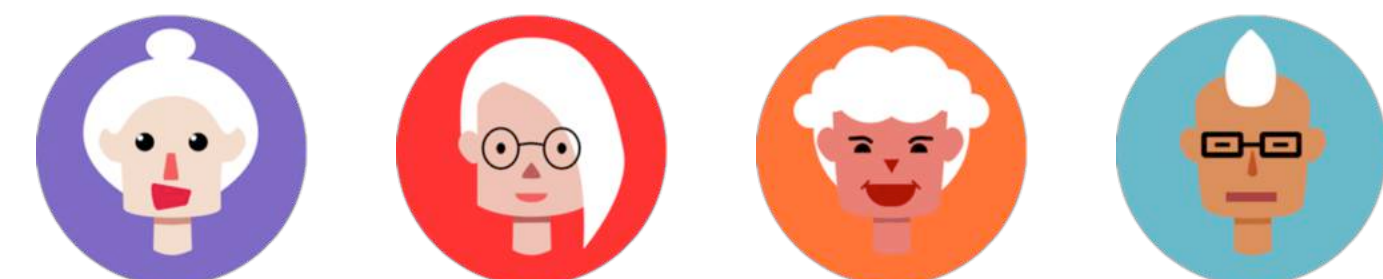
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After a successful connection you can see a unnamed relation display without an avatar.

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.

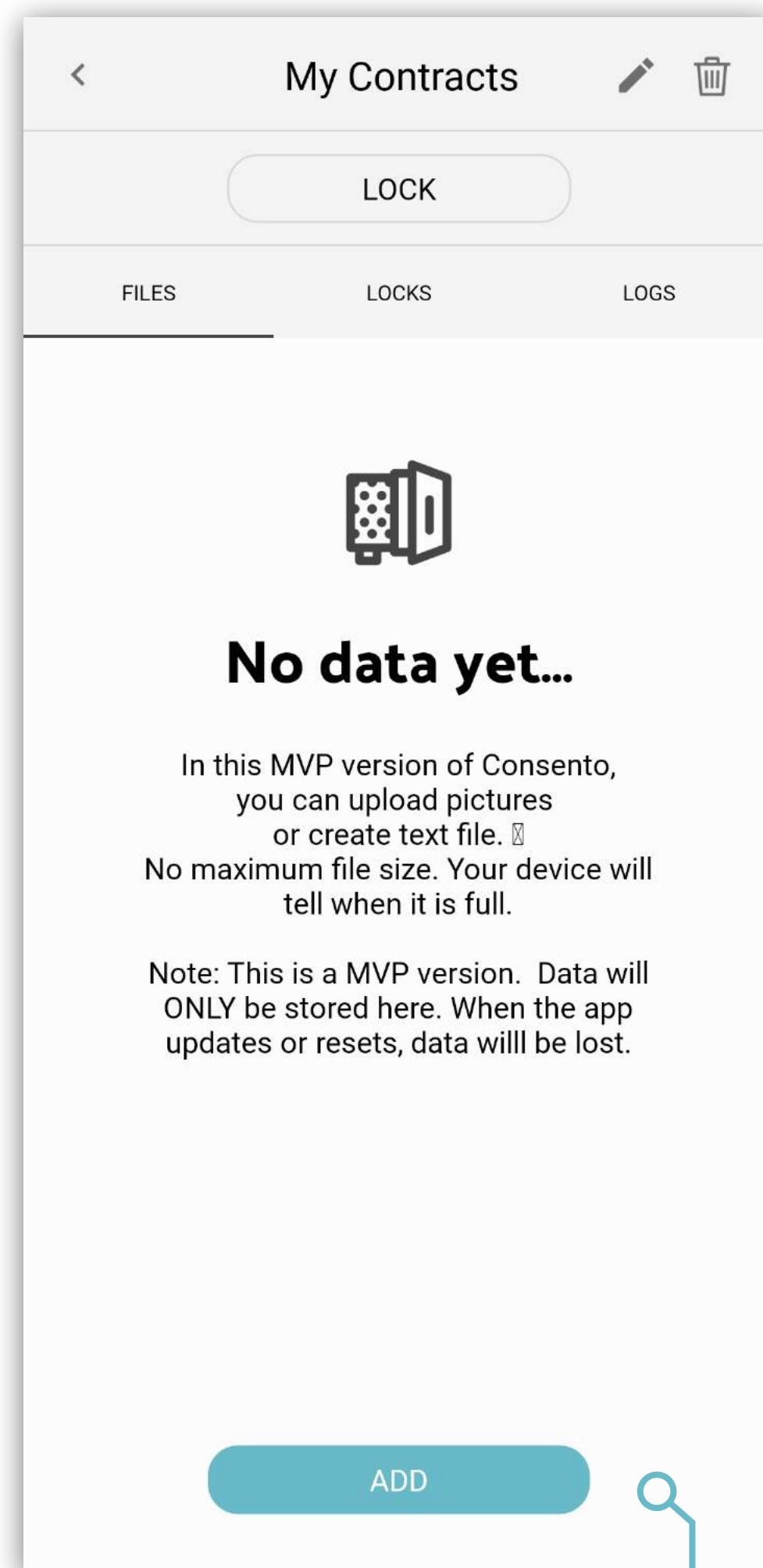


The best name/avatar combination is one that you can remember but others can not imagine.

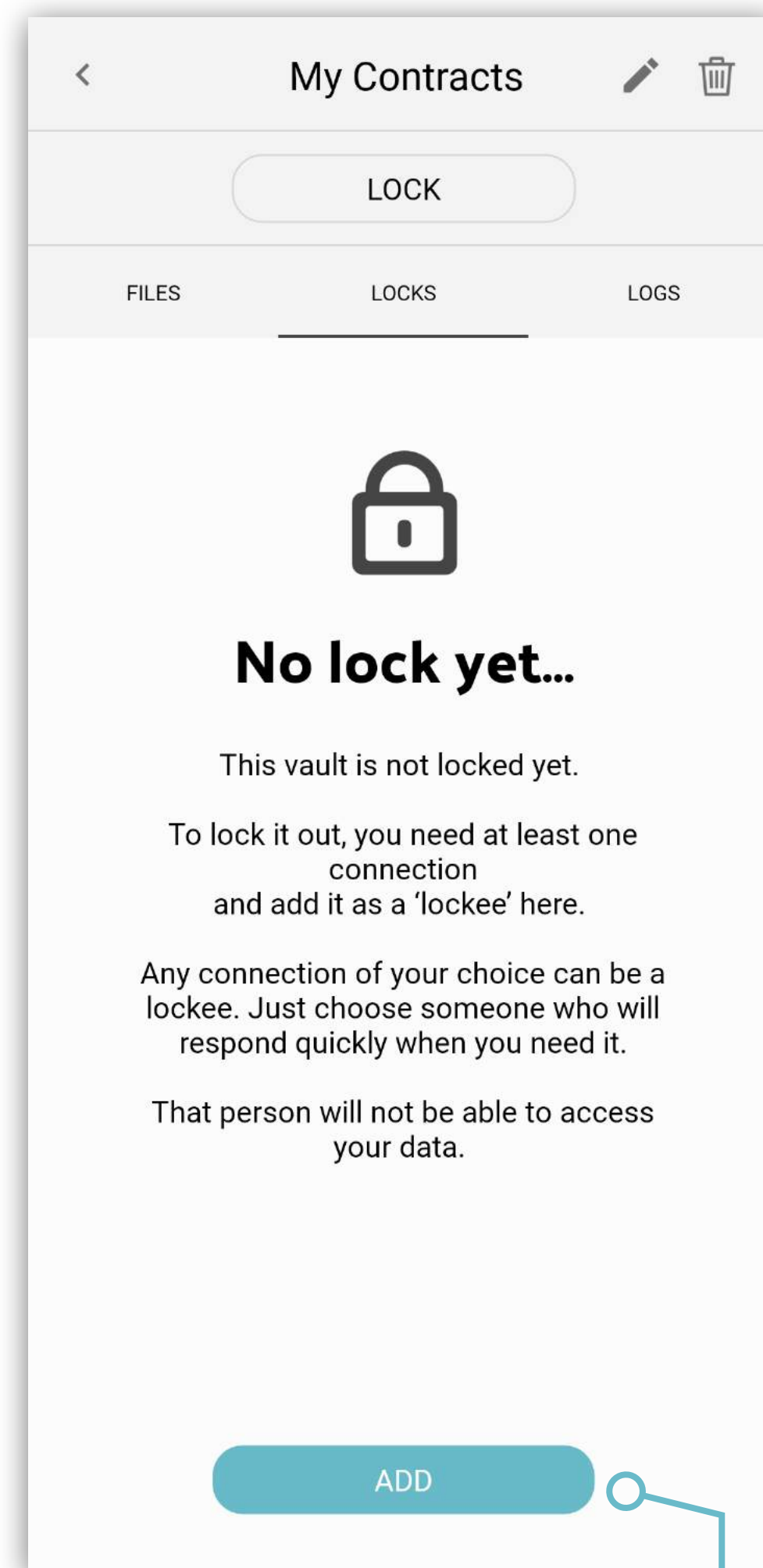
Consento v1

Inside a vault

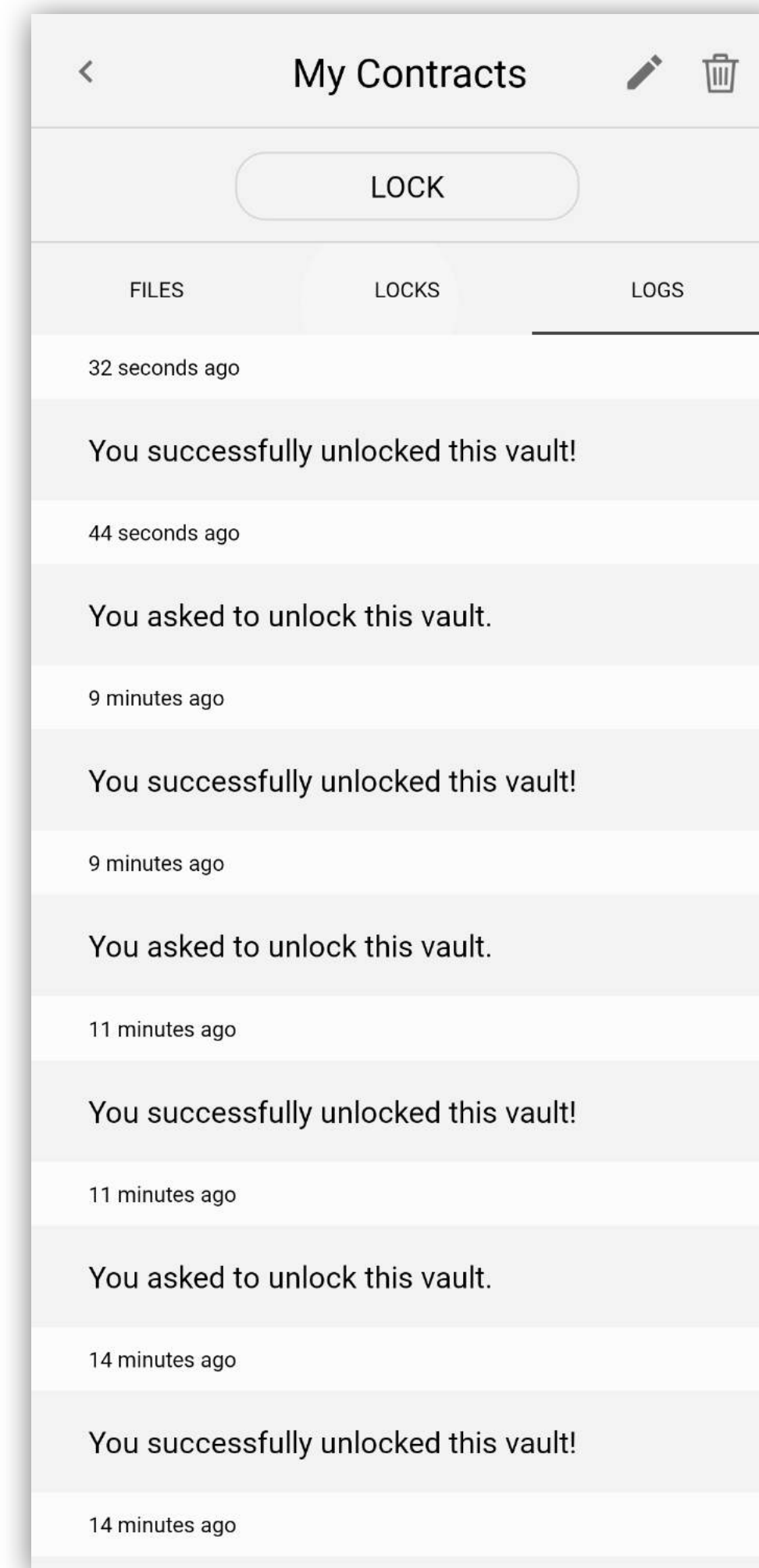
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to add data



to add lockee



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

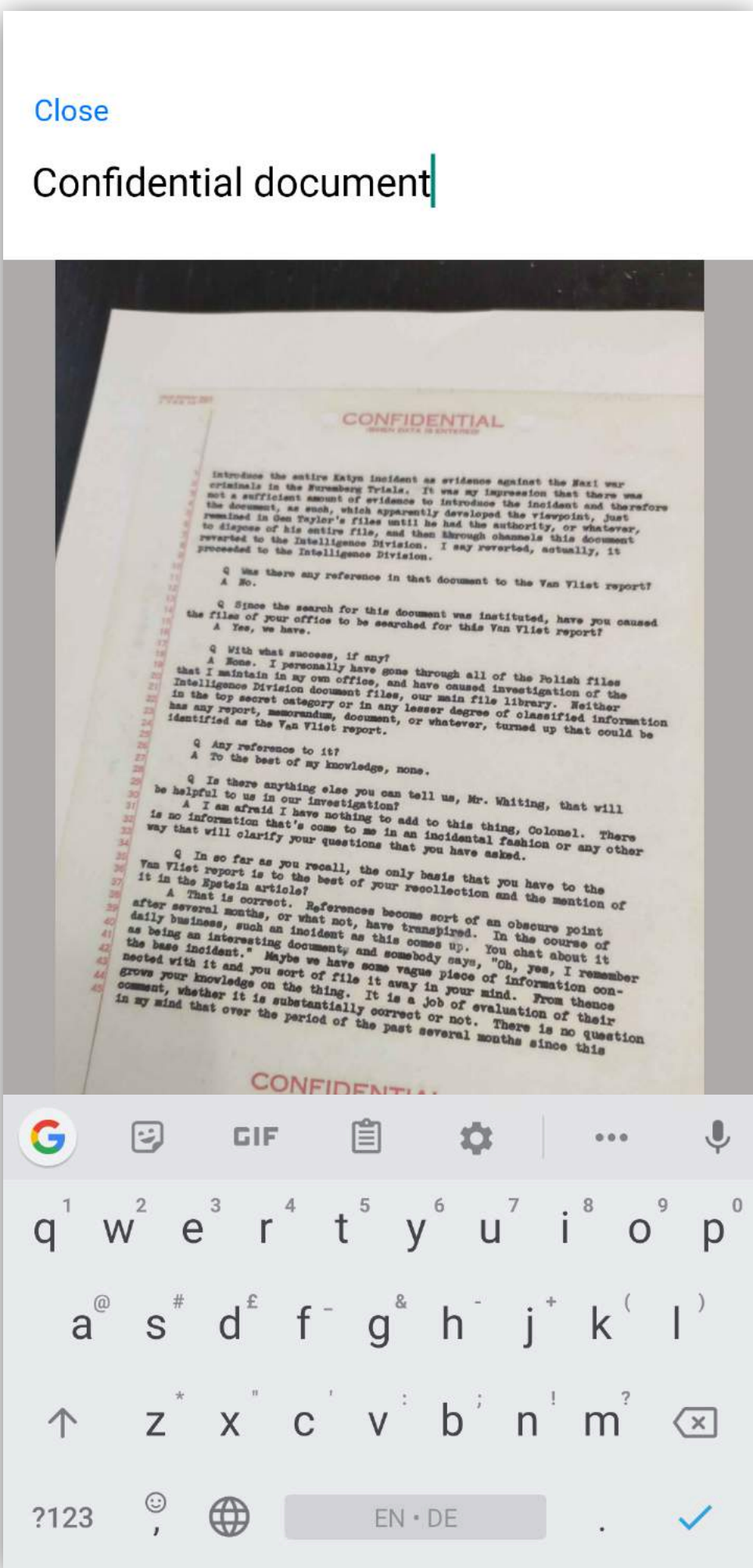
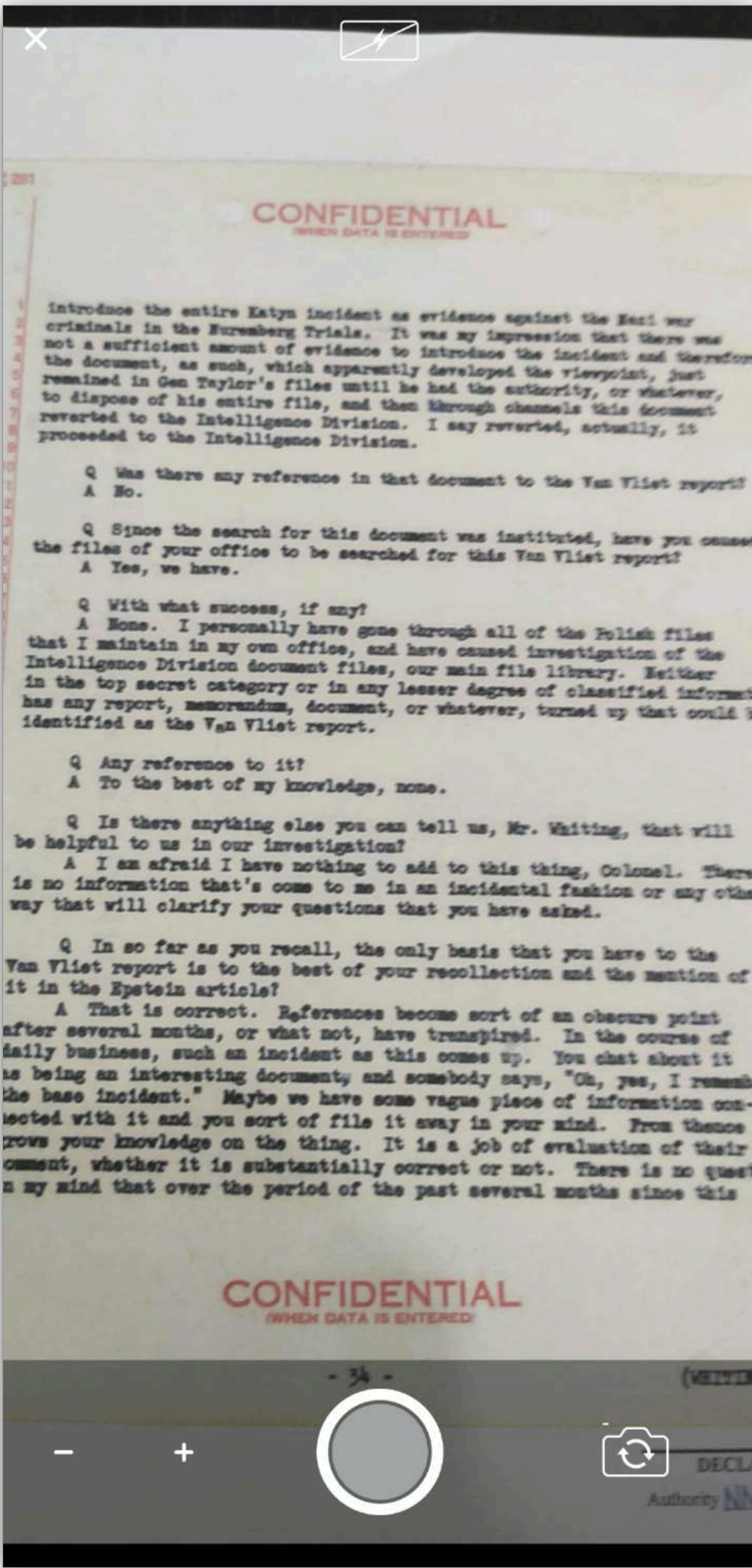
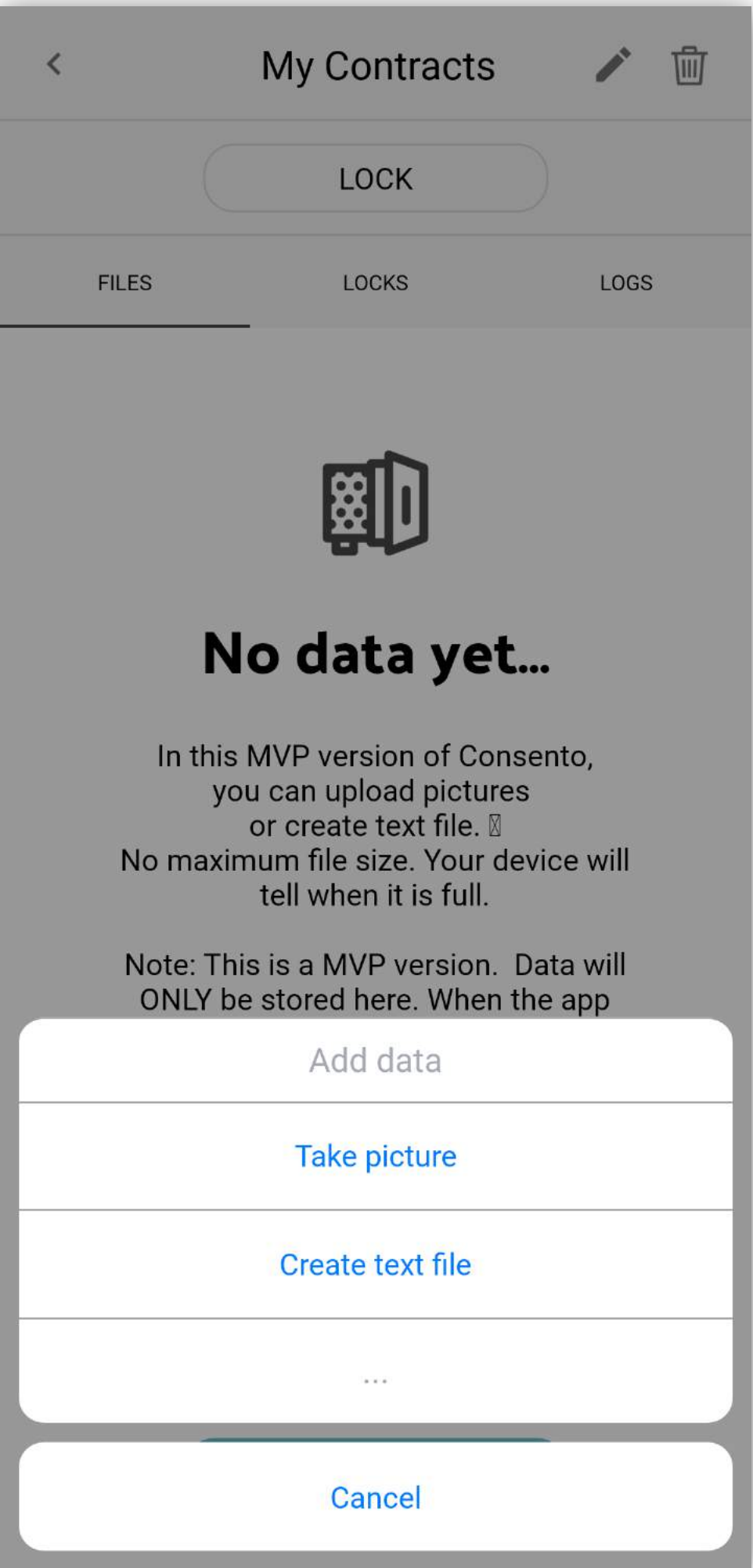
In this first version we added only a simple file browser. Depending on user-interest and feasibility, we will add different ways to interact with a vault in future. (P.9-10)

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 sensitive 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 send us an issue:

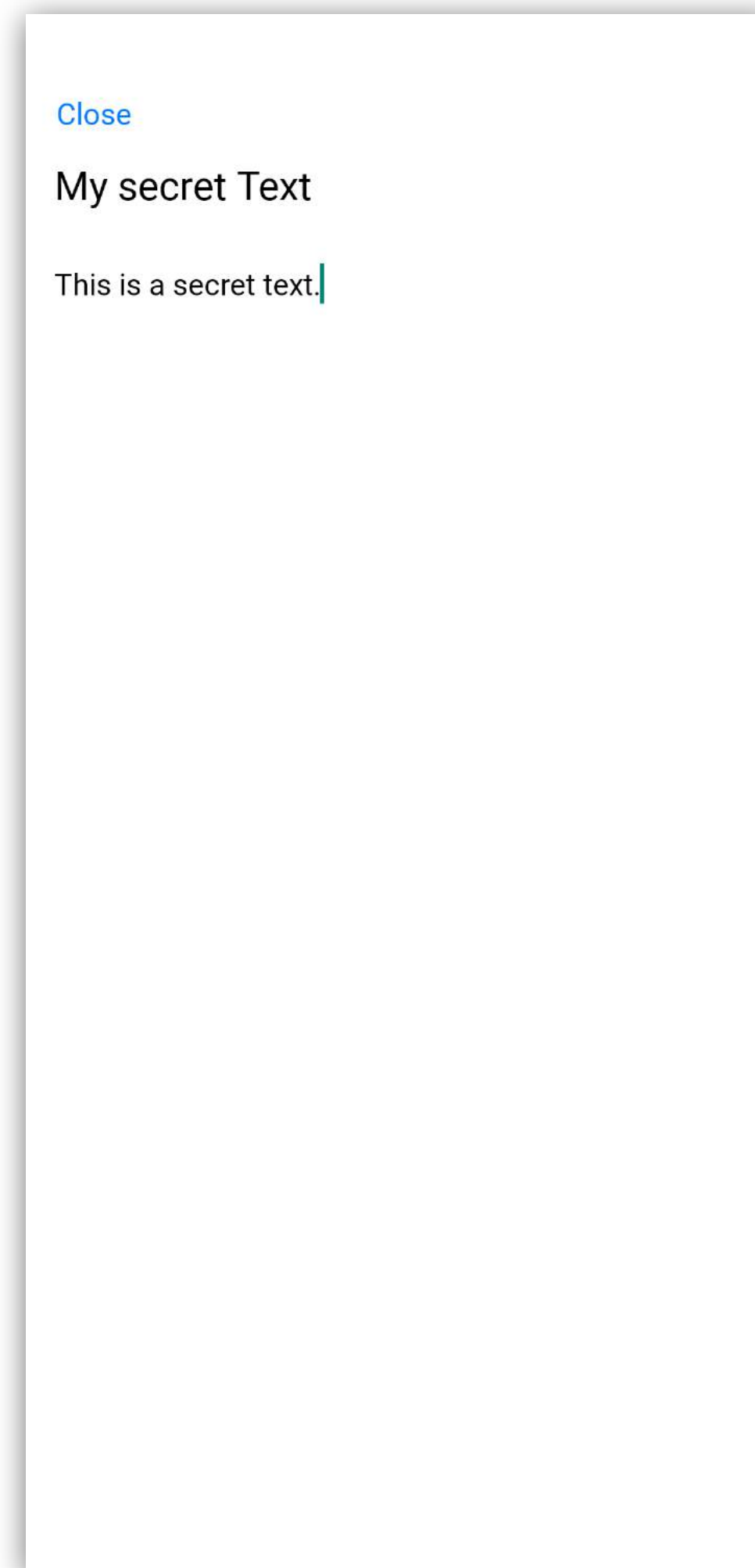
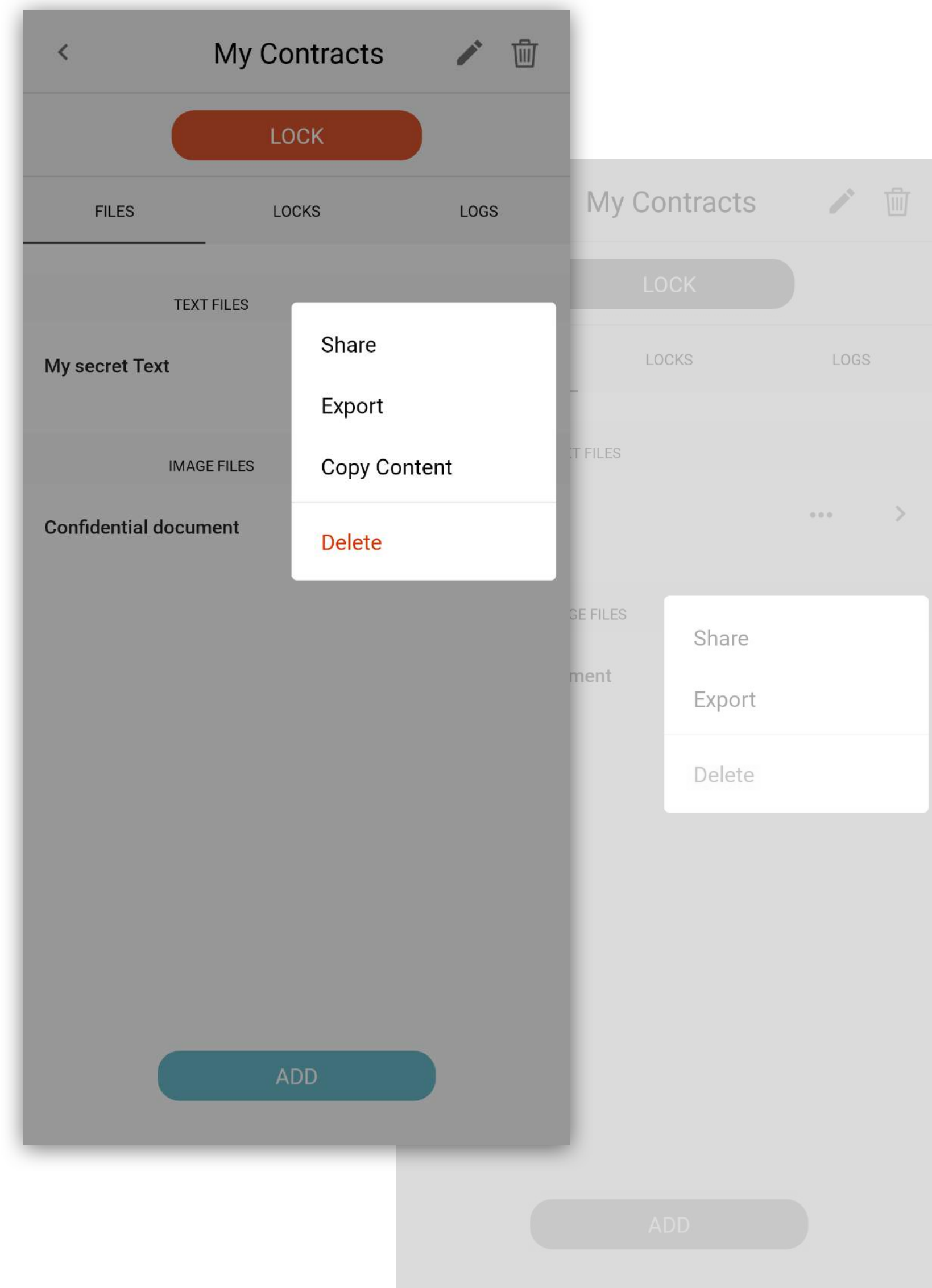
<https://github.com/consento-org/mobile/issues/new>



Consento v1

File Management

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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.

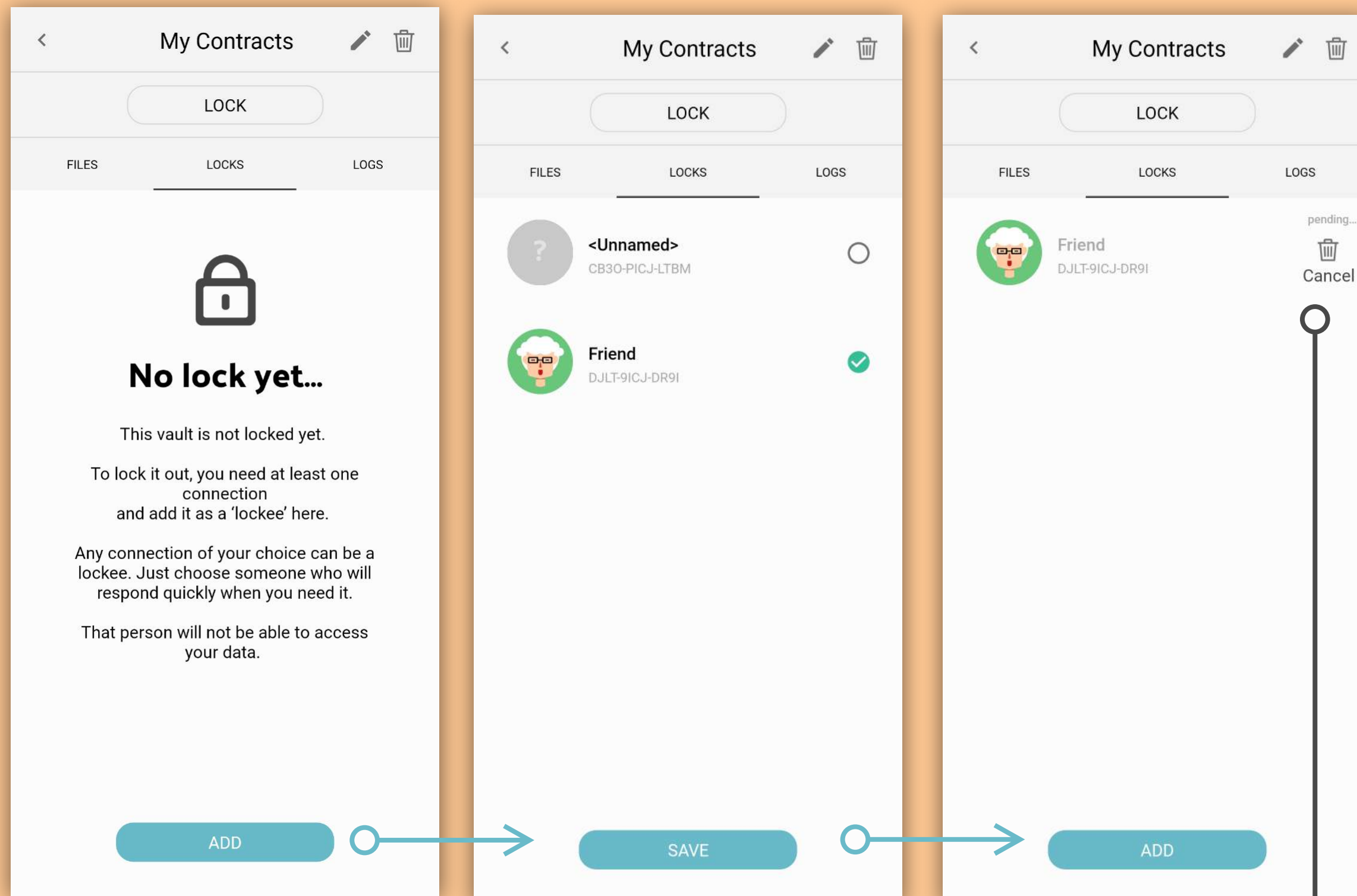
It is also possible to delete files through this dialog.

Consento v1

Add Lockee to Vault

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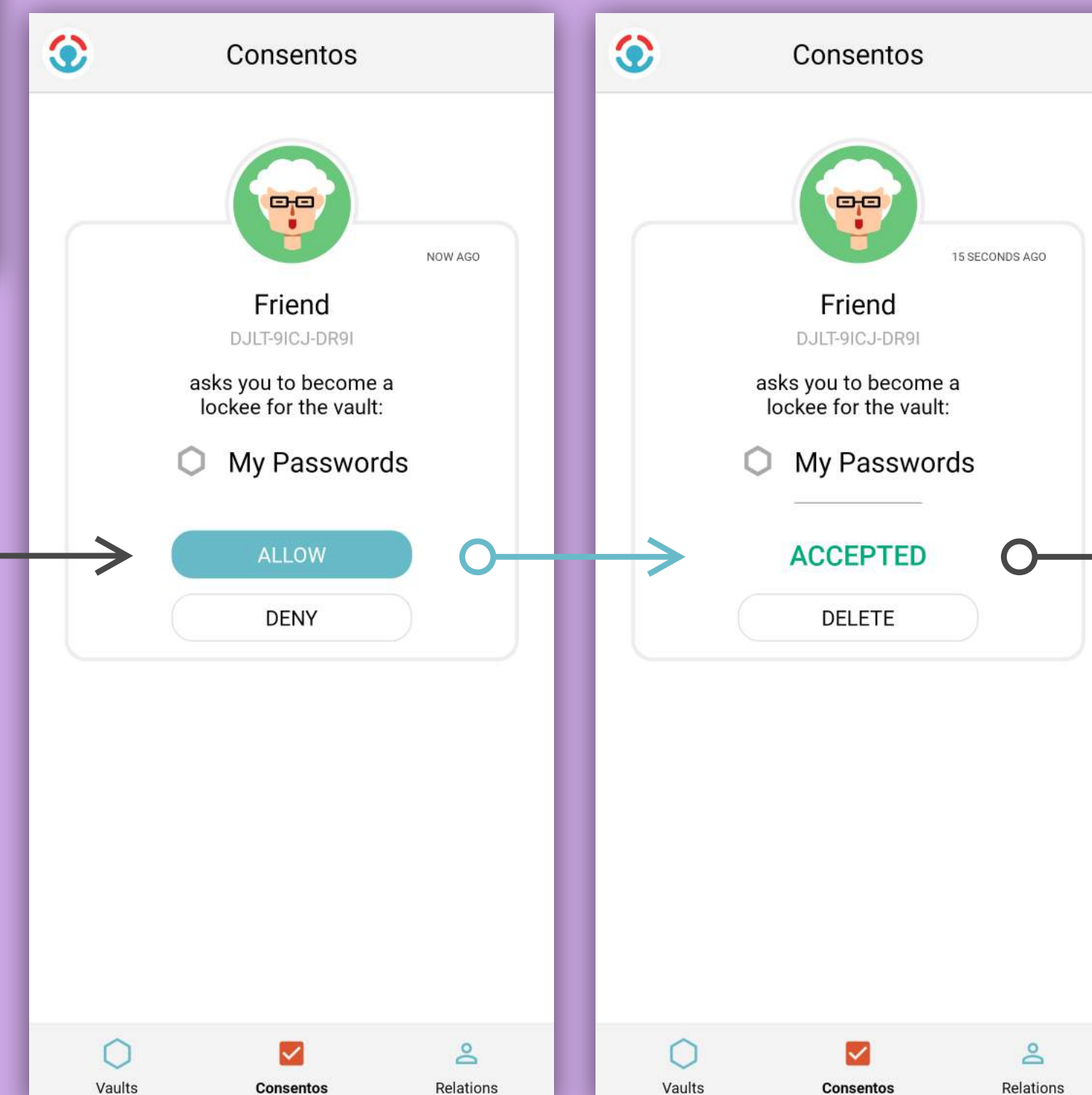
DEVICE A



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.

DEVICE B



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

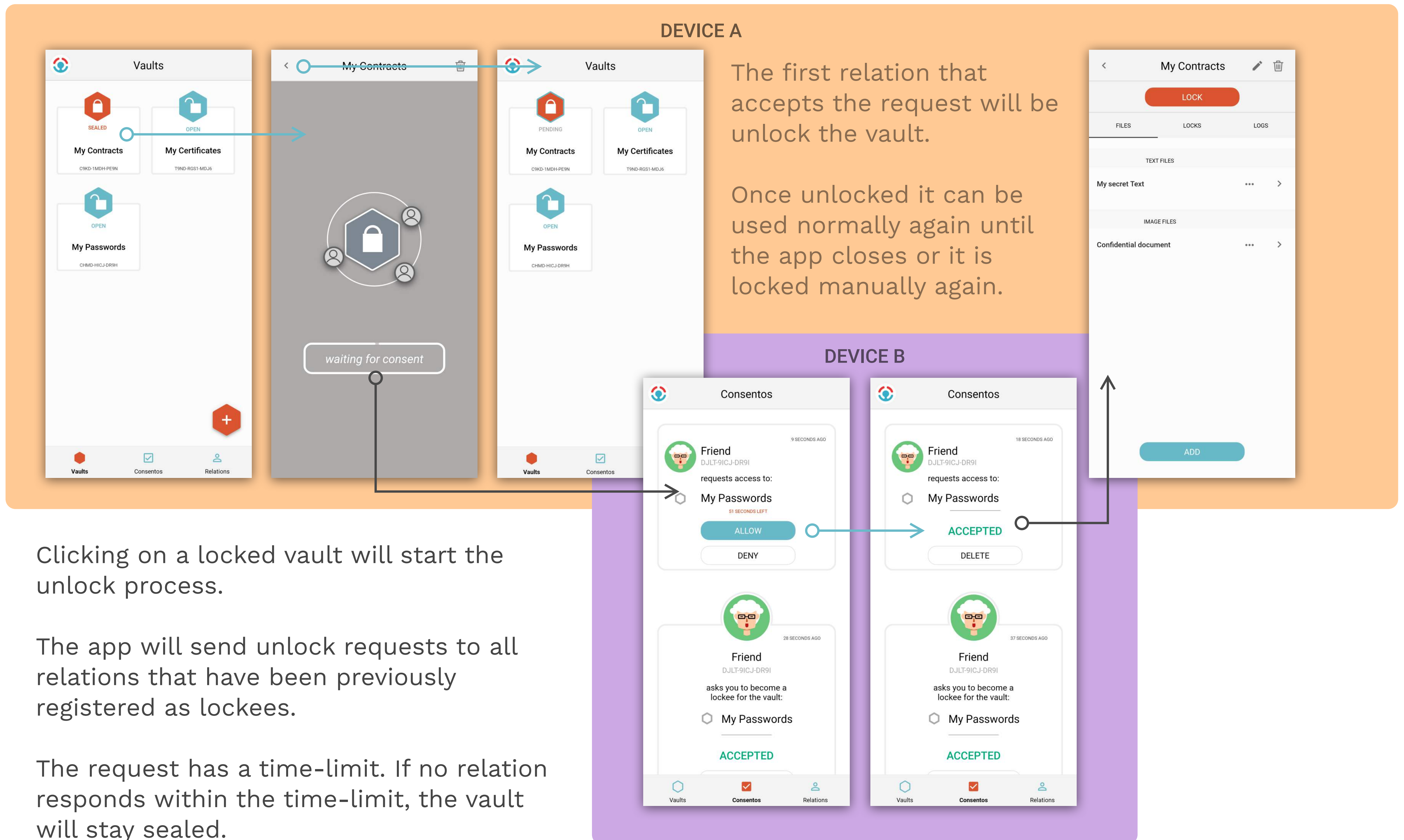
After selecting some of the available relations and pressing **“save”**, a request will be sent those relations, asking if they want to become a lockee.

Lockees can not see the content of a vault.

Consento v1

Unlocking a vault

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LEDGER

