Appendix A

User Guide

A.1 Patient

Registration:

1. Navigate to Sign Up section in the /welcome page.
2. Set username and password, and supply your doctors DID (via text or QR code), click Register.
3. Now you have to wait for your doctor's approval, you should be contacted by your doctor when your doctor approves your account.

View your health record:

1. Simply log in to your account using your username and password, your health record should be displayed on your dashboard.

Setting/Updating your master secret key:

1. Go to settings page, enter the new master secret and click submit. We are unable to show you your old/current master secret because of security reasons.

Allowing doctor to edit/view your health record:

1. If you have a visit to a specialist (who is not your registered GP) you will need to agree to share you medical records. At the beginning of the visit you will receive a notification, all you have to do is to click accept notification in the /notifications section.
2. Once doctor enters changes to your medical record, you will receive 2 notifications, one after another. One is to request you permission to edit your health records, the other notification is to agree to write the health record to your wallet.

Sharing you medical record with third parties:

1. If a third party want a proof of some fields in your medical record you will receive a notification.
2. Enter you master secret and click agree.
3. That's all, thanks to Hyperledger Indy you will generate a verifiable proof to your insurance company.

A.2 Doctor

Registration:

1. Navigate to Sign Up section in the /welcome page.

2. Set username and password, and supply your authoritys DID (via text or QR code), click Register. You authority is either a GP practice of a hospital you work for.

3. Now you have to wait for your authority's approval, you should be contacted by your authority when your account gets approved.

Edit/view patient's health record:

1. Enter patient's username and specify the domain of the practice your patient is registered in. If it's the practice you are logged in now, you will be able to view the record immediately.

2. If patient is registered with the different practice, extra verification step will be required, patient will have to agree before you will be able to see the record.

3. After you enter new values into the health record and want to save changes you will have to click Submit button.

4. Then patient has to give you permissions to edit your data and write to his wallet, you will receive a notification once it done, where you have to confirm that you want to write this data to his wallet.

Sharing your DID via QR code:

1. Enter patient's username and specify the domain of the practice your patient is registered in. If it's the practice you are logged in now, you will be able to view the record immediately.

2. If patient is registered with the different practice, extra verification step will be required, patient will have to agree before you will be able to see the record.

3. After you enter new values into the health record and want to save changes you will have to click Submit button.

A.3 Third Party (Insurance company)

Requesting a proof:

1. Log in to your account.

2. Go to Request Tab.

3. Specify user's username and the domain where the user is registered.

4. Select the values and predicates you want to know using our ProofBuilder.

5. Click Submit button.

6. Now you have to wait for users approval.

Viewing the proof:

1. Log in to your account. to the Request Status Tab. It contains a table with all the requests you have made.

2. As soon as user will agree to give you a proof, the Action tab will turn green and View button will appear.

3. Once you click View button you will see the proof from the user.