Mnemonics and ropsten endpoint information have been removed from app.js and truffle-config files.

Contract address is at 0x2250Bcd37C365C258D6DdEc3CD146FB3ac4C6DbC

```
[Starting migrations...
======================
> Network name:    'ropsten'
> Network id:      3
> Block gas limit: 8000000 (0x7a1200)


1_initial_migration.js
======================

   Deploying 'Migrations'
   ----------------------
   > transaction hash:    0x86c1e32ed38691c9e30c3aa1d8dd363ee8b52a2188dacaa326b27597e8a91de1
   > Blocks: 1            Seconds: 44
   > contract address:    0xCF8de166B63CB7c9A997698316db5Fff4b34cd52
   > block number:        9203056
   > block timestamp:     1607197062
   > account:             0x242f37cd22F82D0A120979161Ac2019E683510a7
   > balance:             15.583926231854686591
   > gas used:            190011 (0x2e63b)
   > gas price:           20 gwei
   > value sent:          0 ETH
   > total cost:          0.00380022 ETH


   > Saving migration to chain.
   > Saving artifacts
[  ------------------------------------
[  > Total cost:          0.00380022 ETH
[
2_deploy_contracts.js
======================

   Deploying 'Thoth'
   -----------------
   > transaction hash:    0xe88b0afc51fa05a02d522462815e845192ac201ba4d48d8301d0bc145c28f58c
   > Blocks: 0            Seconds: 48
   > contract address:    0x2250Bcd37C365C258D6DdEc3CD146FB3ac4C6DbC
   > block number:        9203058
   > block timestamp:     1607197122
   > account:             0x242f37cd22F82D0A120979161Ac2019E683510a7
   > balance:             15.552186151854686591
   > gas used:            1544666 (0x1791da)
   > gas price:           20 gwei
   > value sent:          0 ETH
[  > total cost:          0.03089332 ETH


   > Saving migration to chain.
   > Saving artifacts
   ------------------------------------
   > Total cost:          0.03089332 ETH
```

The following demo is explained through multiple accounts from Ganache but the app has been deployed on Infura.

In the following example the second account will act as a Hospital so it will register by typing 1 into the membership field.

When requesting an item, the Hospital inputs the manufacturer's address, their payment offer in ethers, and a password

The manufacturer will respond to the requesting address by accepting (1) or denying (0)

The requester/Hospital account will pay the fee to the manufacturer's address, input the payment offer, and the password. The Smart Contract will check the original request hash to validate it.

| Report Location | | New Location Address | Report Location |
| View Location | | Equipment Owner Addr | View Location |

The Manufacturer or whoever is moving the equipment can update the current address or location of where the requested equipment is in the Report Location. If it has arrived at the Hospital it inputs the Hospital address id into the Report Location.

The Hospital can view where the current location of their equipment by inputting the address of the equipment owner, in this case the Manufacturer, into View Location.

| ➡ Request Record | | Request address | Record Request |
| ↩ Record Response | Requester address | Will approve? | Record Reply |

The Record request and response works similar to the equipment request/response. The user inputs the address of the record owner, either the patient or Insurance company representative. The recipient responds to the request by accepting (1) or denying (0) in the Will Approve box with the requester address.

For Doctors they enter the patients address in the view Record and the app will tell them if they are approved or not. The patient account would have to enter the Doctor's address in the approve field. Afterwards the system would approve the Doctor to view a patient's file.

Please note that I am switching between the Doctor and patient account in Ganache when roleplaying/testing the app.

Screenshot 1

Patient approved: false

5

Register

Enter address   Unregister

Record/Equipment Exchange

Request Equipment	0x16756ebf03b8580ae	30	0x4265260000000000	Equipment Request
Equipment Response		0x1d37282896f7862a5	1	Equipment Reply
End Request			Owner address	End Request
Fee Transaction	0x16756ebf03b8580ae	30	0x4265260000000000	Pay
Report Location			New Location Address	Report Location
View Location			Equipment Owner Addr	View Location
Request Record			Request address	Record Request
Record Response		Requester address	Will approve?	Record Reply
View Record			0xd3f4e2d80e736b507	Can View?

Screenshot 2

Approve successful

5

Register

Enter address   Unregister

Record/Equipment Exchange

Request Equipment	0x16756ebf03b8580ae	30	0x4265260000000000	Equipment Request
Equipment Response		0x1d37282896f7862a5	1	Equipment Reply
End Request			Owner address	End Request
Fee Transaction	0x16756ebf03b8580ae	30	0x4265260000000000	Pay
Report Location			New Location Address	Report Location
View Location			Equipment Owner Addr	View Location
Request Record			Request address	Record Request
Record Response		Requester address	Will approve?	Record Reply
View Record			Record Owner Address	Can View?
Approve Doctor			0x62fb6e285ea50dea5	Approve

Record/Equipment Exchange

→ Request Equipment	0x16756ebf03b8580ae	30	0x4265260000000000	Equipment Request
← Equipment Response		0x1d37282896f7862a5	1	Equipment Reply
← End Request			Owner address	End Request
💲 Fee Transaction	0x16756ebf03b8580ae	30	0x4265260000000000	Pay
Report Location			New Location Address	Report Location
View Location			Equipment Owner Addr	View Location
→ Request Record			Request address	Record Request
← Record Response		Requester address	Will approve?	Record Reply
View Record			0xd3f4e2d80e736b507	Can View?
👤 Approve Doctor			Doctor Address	Approve

The patient can undo/deny Doctor Access by inputting the Doctor's address in the Remove Doctor.