## DEMO DOCUMENT.

There are two customers of the service User-1 and User-2.

User-1 wants to sell the following products:

- 1.MRI reports of 3rd grade ankle sprains.
- 2.MRI reports of meniscus tears.
- 3.MRI reports of ACL tears.
- 4.MRI reports of ATFL tears.

These health related documents/reports are very vital to an Orpthopadeacian who wants to study Injuries and rehabilitation. Let User-2 be the customer that wants to buy these reports from User-1.

But firstly User-1 needs to upload the data onto the Blockchain.

This is done by:

```
Adding Transaction 1 .......

A = 2 p = 11

Verification - Round 1

Choose random r from 0 to p-1

Calculate A^r(mod p) and enter the value:
```

Note that the verification process carries out the Zero Knowledge proof with the cost being the sensitive data and peers verifying in 3 rounds:

As soon as Identity is verified the user User-1 mines the block and claims the data.

And so he uploads all the data mentioned above in a similar manner and claims them.

The BlockChain details are hence as follows:

Next the buyer aka User-2 wants to buy the reports:

```
ID Cost Description
Transaction ID: 8b73
Cost: $60
MRI reports of 3rd grade ankle sprains.

Transaction ID: 98f9
Cost: $60
MRI reports of meniscus tears.

Transaction ID: 5723
Cost: $70
MRI reports of ACL tears.

Transaction ID: 9b5d
Cost: $80
MRI reports of ATFL tears.

Enter ID of the data you would like to buy:
```

And the user buys Transaction ID: 8b73

and the payment is carried out throught a secure gateway.

Lastly we view the user details of User-1:

## user details of User-2: