

```

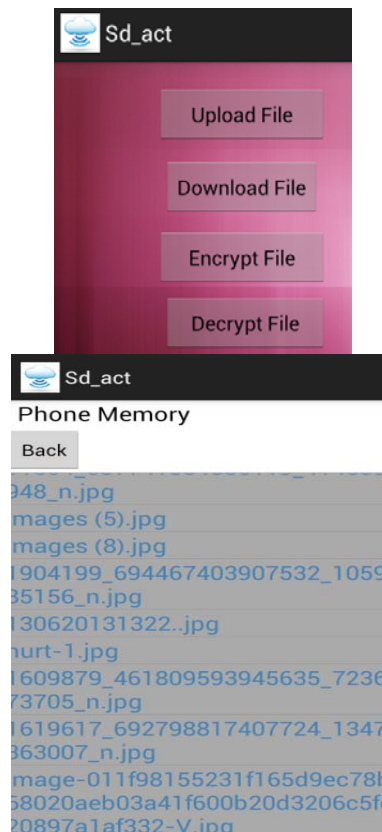
Server_for_Android (run)  Server_for_Android (run) #2
run:
Starting Main Server7878
SERVER 7878 Waiting for request
Client Connect from port7878
Size of an Array List(Socket Connected::)1
MESSAGE FROM CLIENT IS::login,78:F7:BE:A4:00:17,kamal*****
SERVER 7878 Waiting for request
Size of an Array List(Socket Connected::)1
Statementcom.mysql.jdbc.StatementImpl@1dd8136
MESSAGE SEND TO SERVER1 from SERVER2:::not_valid_user
    
```

Data store on a server along with mac address

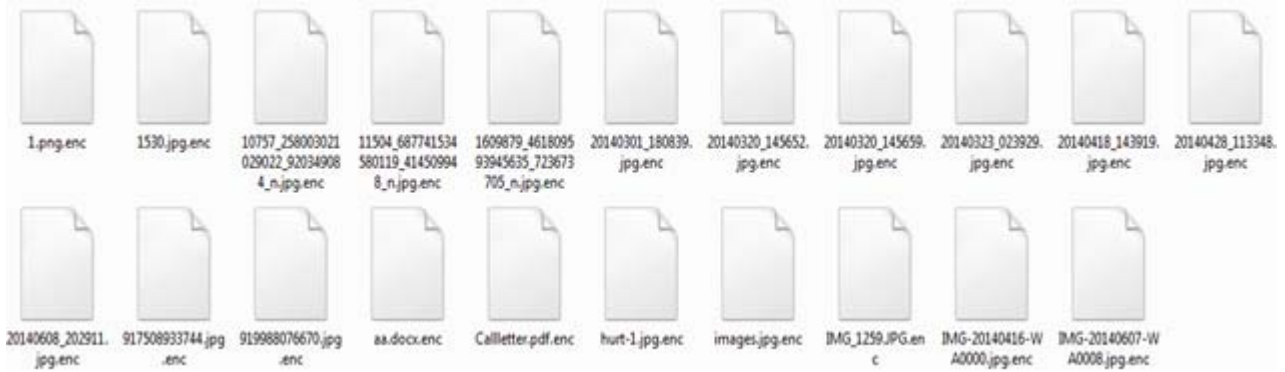
id	mac	gud	gud	U
2	mac	gud	gud	U
3	mac	gud	gud	0
4	mac	wadiya	wadiya	0
5	mac	bhadak	12	0
6	mac	bansal	123	0
7	mac	ANKIT	11	0
10	signup	mac	bansal	0
11	mac	new_user	bans	0
12	mac	baniya	baniya	0
13	mac	bhatia	bt	0
14	A0:75:91:60:9D:8D	muktaj	er	0
18	bc:f5:ac:dc:67:2a	baniya	we	0
19	AB:33:B3:04:1B:94	rohit	manhas	0
20	AB:33:B3:04:1B:94	hj/hj	j/hjk	9021822
23	50:FC:9F:9B:72:5B	kamal	kamal	1234

If unauthorised user trying to access using authorized username and password on his device, he will not enable to access the data

Data will store on cloud in encrypted form



Data store on server



6. Conclusion

In this proposed approach issues on mobile cloud computing and after its successful implementation. It's been concluded that AES was successful and provides a strong point of security to existing mobile cloud architecture. The Purpose of adding Mac-Address verification in client side secured the data from manipulation and preserves authenticity of users. It has build the more trust level on users as if any 3rd user if got credentials of particular user of cloud application, he/she will not be able to open the application in their devices. The man in middle attack is also ruled out since AES provides a strong encryption security along with a public and private key system.

7. Future Scope

Since AES provides a strong security measure to existing system. It will be always a area of research as AES takes lot of power during generation of public and private key. On mobile OS AES performance can be analyzed in terms of battery consumption and throughput. Preserving the power of smart phones can be new area of research in mobile cloud computing since every application back-end phase is shifting from cluster / grid to cloud based system. These applications usually take lot of battery power and can affect the battery life of particular phones. Since smart phones processor and RAM runs 24 hours if it's not on switched off mode the application running in background can eat up RAM and Processor which leads to decrease in battery life of a smart phone.

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