**A SECURE CLIENT SIDE DEDUBLICATION**

Level 0

password

Level 1 check name

Data upload

File upload

Download file

Cloud storage

Data encry

Level 2

Public group key directory

Key controler

Data retrive

Re encryption

Level 3:

Private group

Key store

controller

private group

Key store

manager

Re encryption

Data store

Level 4

Public group

Key store

Donload data check data get key

Private group

Key store

controler

manager

Receive dagta

Data store

Re encryption

Level 5:

Store local inbox

Delete or rename file

Store owner inbox file when send same files

If send same file name

Get rename alert

Send to resend request

view user details

view file details

Check files & names

Data upload

Data encry

Cloud storage

E-R DIAGRAM:

user

server

admin

client

USE CASE DIAGRAM:

client

admin

USER:

user

SEQUENCE DIAGRAM:

Data base

admin

user

client

Login(authentication)

Login(authentication)

response

response

upload files & send key, encryptions

download files & view files details

view key & apply

decryption & download data

view users & file details

view users,file,client details

if upload same file name

receive notification send notify

delete or modify or reupload while name is changed