**A SECURE CLIENT SIDE DEDUBLICATION**

Level Authentication

password

Level Upload File check file exist

Data upload

File upload

Download file

Cloud storage

Data encry

Download file

Public group key directory

Key Send

Data retrive

Re encryption

Download file flow diagram:

Private group

Key store

controller

private group

Key store

manager

Re encryption

Data store

Level: Application flow diagram:

Store local inbox

Delete file

Unwanted or Old files

If send same file

File already exist alert

view user details

view file details

Check files

Data upload

Data encry

Cloud storage

E-R DIAGRAM:

Receiver (User)

server

admin

client

USE CASE DIAGRAM:

client

admin

user

SEQUENCE DIAGRAM:

Data base

admin

user

client

Login(authentication)

Login(authentication)

response

response

upload files & send key, encryptions

download files & view files details

apply key

decryption & download data

view users & file details

view users, file details