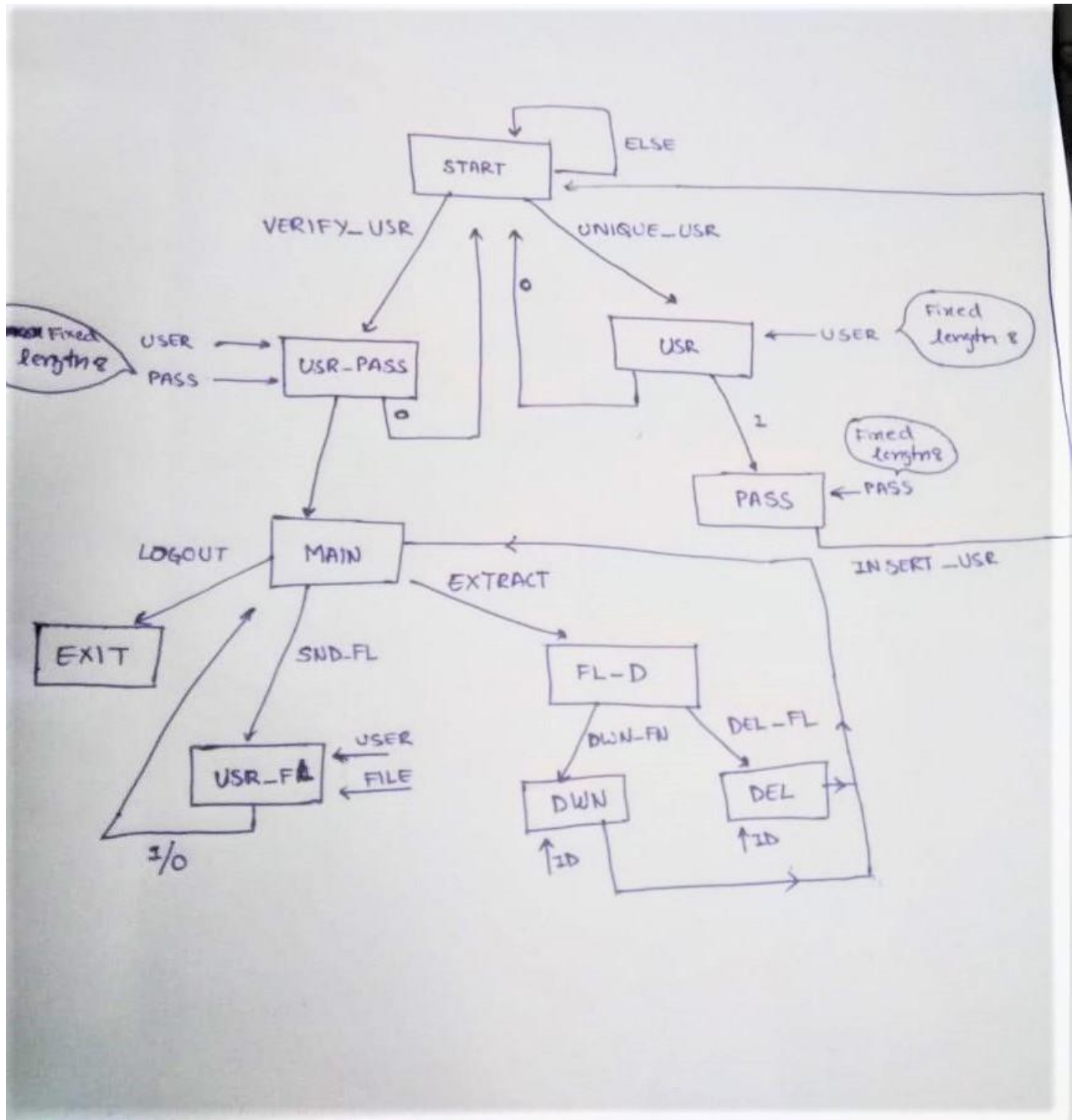


Design



Current State	Command	New State
START	UNIQUE_USR	USR
START	VERIFY_USR	USR_PASS
PASS	INSERT_USR	START
MAIN	SND_FL	USR_FL
MAIN	EXTRCT	FL_D
MAIN	LOGOUT	EXIT
FL_D	DWN_FL	DWN
FL_D	DEL_FL	DEL

START: State of server when connection is established with a client.

USR_PASS: It accepts username and password (both of fix length) from client, if both match with database it returns 1 else 0.

USR: It accepts username from client (of fix length) from client, if given username is already present in database, it returns 0 else 1.

PASS: It accepts password from client and stores username and password to the database

MAIN: It accepts different commands (line SND_FL, EXTRCT) from client and acts accordingly.

USR_FL: It accepts username of the recipient And Filename from the client and keeps the file in the respective username (recipient) in the database and returns 1 if successful else 0.

FL_D: It will send file details (like filename, id) to the client!

DWN: It sends the file of the given id to client.

DEL: It deletes the file of the given id from database

EXIT: It disconnects client from server.