Group 3 :c2w protocol specification proposal

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Packet Format

```
Length
USER ID
            Message Data(variable length)
                    Figure 1
```

Packet Type

0000	+	туре
error message log in pseudo 1101 error message log in, too much users 1110	0000 0001 leave_room request leave_room response message request message forward message ACK users' list response users' list ACK movies' response movies' response movies' list ACK Select movie request Select movie response error message log in pseudo	login request login response 0010 0100 1000 0011 1001 1010 1100 1100 1100 1101 1011 1101

Scenario 1 : Log In

lient A	Server Cl	lient B
Message 1 (Request)		ļ
(LOG_IN request)	 	
Message 2 (Response)		İ
(LOG_IN response)		
Message 3 (RESPONSE)		
(USER'S list)	(USER'S list)	
USERS ACK		İ
>	USERS ACK	
Message 4 (RESPONSE)		
(MOVIES' list)	(MOVIES' list)	
ACK		į
	ACK	. 1

Scenario 2 : Enter in a movie-room

```
Client C
               Client A
                          Server
                                               Client B
                       Message 1 (Request)
                        (SELECT MOVIE )
                       Message 2 (Response)
                      SELECT MOVIE response)
                       Message 3 (RESPONSE)
                       (USER'S list)
                                          (USER'S list)
      USER'S list
                               C USER ACK
```

Scenario 3 : Message Request

```
Client A
                                          Client B
                        Server
  Message 1 (Request)
    (send message )
  Message 2 (RESPONSE)
    (message forward) | (message forward)
      USERS ACK USERS ACK
```

Thank you!