|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| sender | receiver | Message description | Message code | Message body | Status |
| C | S | Sign Up | 203 | “203##username##pass” | Done |
| S | C | Sign up | 104 | “1040” successful  “1041” pass illegal  “1042” username exist  “1043” user illegal  “1044” other error | Done |
| C | S | Sign In | 200 | “200##username##pass” | Done |
| S | C | Sign in | 102 | “1020” success  “1021” wrong password  “1022” already connected  “1023” user does not exist | Done |
| C | S | Sign out | 201 | “201” | Done |
| S | C | Sign out | 103 | “103” | Done |
| C | S | Change password | 204 | “204##oldpass##newpass” | Done |
| S | C | Change pass | 101 | “1010” successful  “1011” wrong pass  “1012” illegal pass | Done |
| C | S | Settings | 105 | “105” | Done |
| S | C | Setting | 206 | “206##username” | Done |
| C | S | Create room | 107 | “107##roomname##owner##starthour##endHour##howtodivide##howmuchdivision |  |
| S | C | Create romm | 208 | “2080” successful  “2081” name taken |  |
| C | S | Search | 109 | “109##roomame” |  |
| S | C | Search | 210 | “201##roomname##roomname….” |  |
| C | S |  |  |  |  |

Validation:

Username : max 20 characters min4 characters

* Must start with a character
* No special character beside the alphabet and numbers

Password :max 20 character min 4 chars

* Must include characters and numbers
* No special character beside the alphabet and numbers
* Must have at least one low case and one big case