**Client – Server – Protocol: Chat App**

### test

Description:

CMD:

CMD-Code:

Data template:

Example message: CCCCCCCCCCCC?0000?DDDD

# **Message Format**

CCCCCCCCCCCC?0000?DDDD

The message is divided into 3 parts + divider**:**

* **CMD:**
  + **The type of the message**
  + **Between 0-16 chars**
  + **Only uppercase**
* **CMD-CODE:**
  + **Unique to each CMD**
* **DATA:**
  + **The data of the message**
  + **Divided by !**
* **? :**
  + **Divided the message parts**

# Messages

## Client 🡪 Server

### Login

Description: try to login to the chat

CMD:LOGIN

CMD-Code:73

DATA template: UUU!PPPP

U-username

P-password

Example: LOGIN?73?naor!1234

### Logout

Description: logout from the chat

CMD: LOGOUT

CMD-Code: 11

Data template:

Example message: LOGOUT?11?\_\_\_\_\_

### Msg

Description: send a message

CMD: NEW\_MSG

CMD-Code:45

Data template: MMMMM

Example message: MSG?55?MMMM

## Server 🡪 Client

### Login\_OK

Description: if the user can login return ok

CMD:LOGIN\_OK

CMD-Code:37

DATA template:

Example: LOGIN\_OK?37?

### New\_Msg

Description: send a message

CMD: NEW\_MSG

CMD-Code:54

Data template: MMMMM

Example message: MSG?55?MMMM