Client Specification

First connection to the server

1. Client Key (private and public) generation (RSA, 2048 Bit)
2. Establish Socket Connection with sharknoon.de:7331
3. Make a String using this format:  
   “<clientpublickey>[KEY]</clientpublickey>”  
   and encrypt it with the Server Public Key (

*MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAxy9l8VAKfxIGN+syNncLSj+z+4TV/RDccfnoKrJEtIXcm0bUkU3Ajt9VlAHMzpyWYA5VT4Onsl5Pbe5UV6enFwPqCQUQVIJUzx8gBsnd3twzw6KbhMbbcXKstXVuXvd3h6VzH4ChA6aI2g7qwv7CoSgUw6149ReTXzzKt4eD8U0y/8Wbn9ns2RobakGNYKbHV3GB/jJB0C5uL/Vj5iMirnqh2mUThpHNZn+JG2CqHhtDrJeISDAZN8bBCYV/JEPgo7EzRajZ6hKUHSe1PbSRy6f9W/O7tyiTcgB/nq9BxxkZznc9WIltwCyClnesonP6OHlIrl0JZqRnAyEn0CeIcQIDAQAB*

)

1. 4.1 Send it by first sending the length of the byteArray of this String as a Int  
   4.2 Send the String as a byteArray

Commands

## Register new user:

<newuser>  
 <telephonenumber>  
 +49 74821234  
 </telephonenumber>  
 <deviceid>  
 ABCabc123  
 </deviceid>  
</newuser>

Telephonenumber validation on clientside:  
- max Length  
- right telephoneformat

## Sending SMS-Code:

<smscode>  
 123456  
</smscode>

Time Limit after 3 attempts

SMSCode validation on clientside:  
- 6 digits  
- only numbers

## Receiving SMS-Code-Confirmation

|  |  |
| --- | --- |
| Attempt | Response time |
| 1 - 3 | Instant |
| 4-5 | After 1 min |
| 6-8 | After 3 min |
| 9-15 | After 5 min |
| 16+ | After 10 min |

<smscodeconfirmation>  
 [true/false]  
</smscodeconfirmation>