Encryption chatroom

UI_Peer_to_peer_manager

Attributes
- connectionIP:string

Methods
- establishConnection():void

I Peer2Peer

Channel_db_manager

Method
- createchannel():void
- associateUser():void
- lookupChannel():void

Channel_db

Channel_db	
channel_id	string
channel_members	usernames
Logs	

Logs

Attributes
- encrypted_Timestamp
- encrypted_User
- encrypted_Message

UI_Session_manager

Attributes
- EncryptionKeys:List
- ChannelManagers:List

Method
- createChannelManager():void
- createP2Pmanager():void
- connectServer():void
- forwardMessage():void
- logout():void
- encryptMessage():void
- decryptLog():void

User_Interface

Methods
- showUI():void
- login():void
- generateSession():void

I Socket

Server_Session_manager

Attributes
- ChannelManagers:List

Method
- listenUI():void
- createP2Prequest):void
- storeMessage():void
- forwardMessage():void

Server

Attributes
- IP:string
- Session_manager:class
- Channel_db_manager:class
- User_db_manager:class

Methods
- createChannelDBmanager():void
- createUserDBmanager():void
- createSessionManager():void
- requestUserData():void
- requestChannelData():void
- forwardMessage():void
- createUser():void
- validateUser():void
- createChannel():void
- associateUser():void
- peer2peerRequest():void

User_db_manager

Method
- createUser():void
- validateUser():void
- lookupUser():void

User_db

User_db	
usernames	string
password	enc_string
associatedChannel	list

UI_Channel_manager

Attributes
- ChannelList:list

Method
- sendMessage():void
- updateLog():void