

MyKaKaoTalk

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Java Swing과 MultiThread Socket, JDBC(MySQL) 을 이용하여 카카오톡(구버전) 을 구현해 보았습니다.

기능

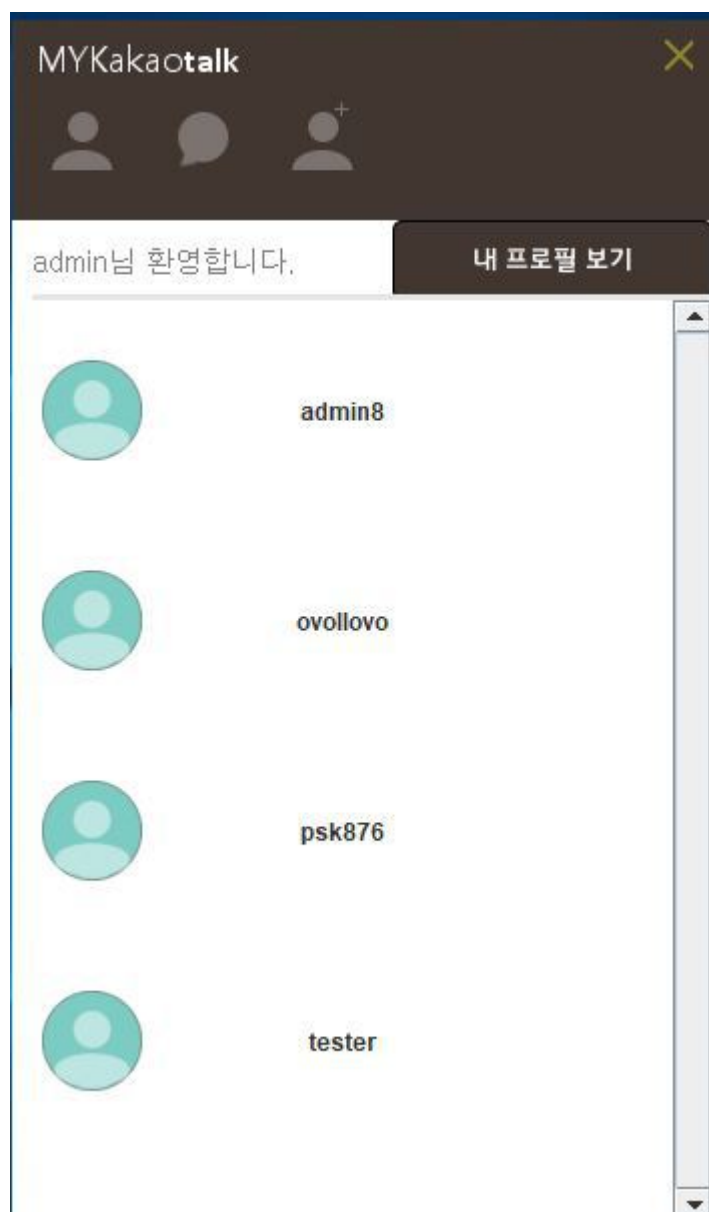
- 회원 등록
- 친구 검색
- 친구 추가/삭제
- 프로필 수정
- 채팅방 개설
- 채팅방 참가/나가기
- 채팅방 대화 친구 추가

설명

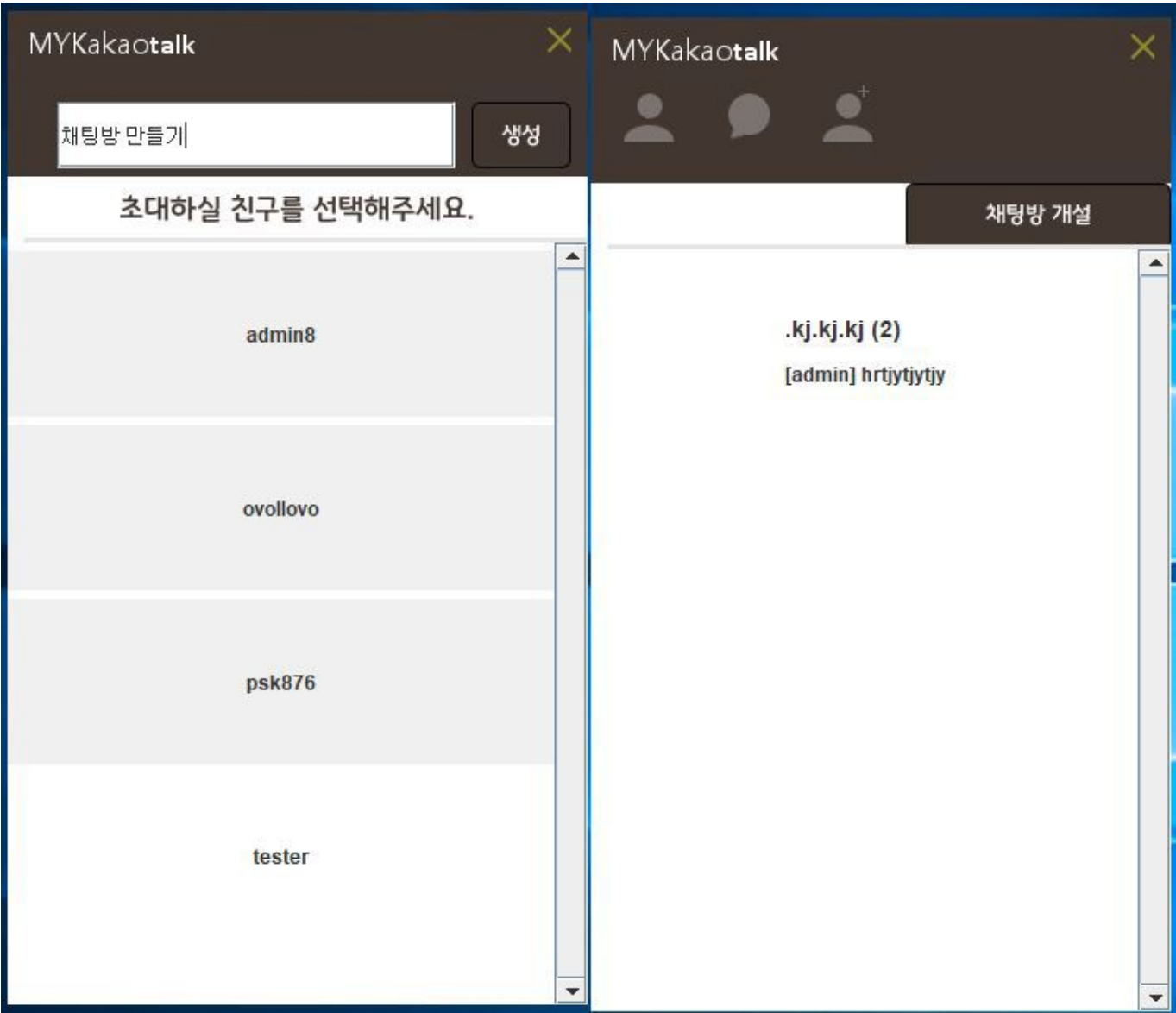
좌측) 로그인 화면 우측) 회원가입 화면



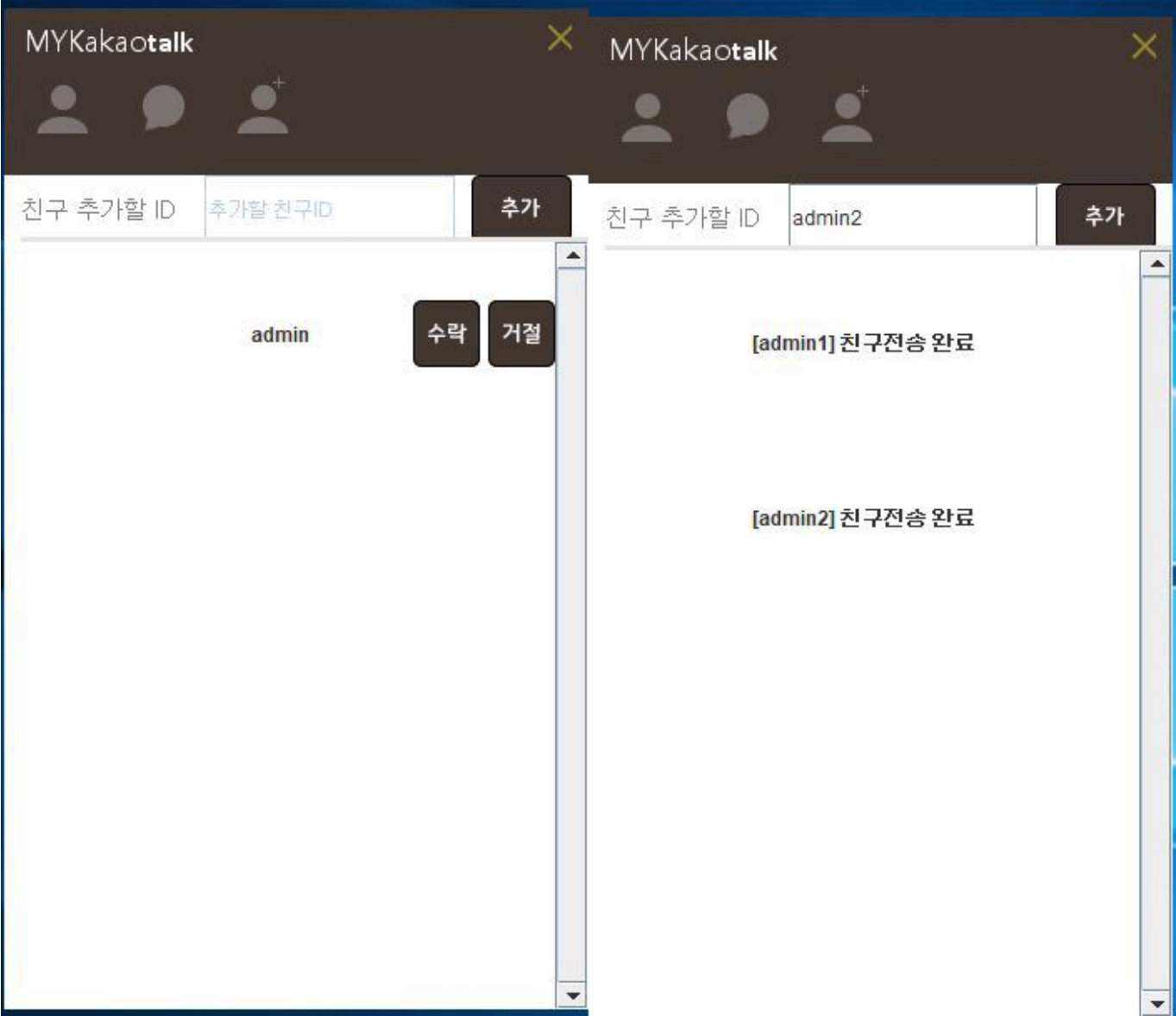
메인화면



좌측) 채팅방 설정 우측) 채팅방 리스트



친구 추가 좌측) admin1 계정 우측) admin 계정



좌측) 본인 계정 프로필 화면 우측) 친구 계정 프로필 화면



DataBase

MyKaKao DB Table

chattingroom
PK roomID PK roomName PK member

singlechat
PK senderID PK roomID chatContent PK chatTime

chatlog
PK senderID PK roomID chatContent PK chatTime

user
PK userID userPassword userName userEmail userTel prifile

addfriendlist
PK senderID FK(user userID) PK receiverID FK(user userID)

friend
PK userID FK(user userID) PK friendID FK(user userID)

- addfriendlist

Field	Type	Null	Key	Default	Extra
senderID	varchar(24)	NO	PRI	NULL	
receiverID	varchar(24)	NO	PRI	NULL	

- chatlog

Field	Type	Null	Key	Default	Extra
senderID	varchar(24)	NO	PRI	NULL	
roomID	int(11)	NO	PRI	NULL	
chatContent	varchar(100)	YES		NULL	
chatTime	datetime	NO	PRI	0000-00-00 00:00:00	

- chattingroom

Field	Type	Null	Key	Default	Extra
roomID	int(11)	NO	PRI	NULL	
roomName	varchar(48)	NO	PRI	NULL	
member	varchar(24)	NO	PRI	NULL	

- friend

Field	Type	Null	Key	Default	Extra
userID	varchar(24)	NO	PRI	NULL	
friendID	varchar(24)	NO	PRI	NULL	

- singlechat

Field	Type	Null	Key	Default	Extra
senderID	varchar(24)	NO	PRI	NULL	
roomID	int(11)	NO	PRI	NULL	
chatContent	varchar(100)	YES		NULL	
chatTime	datetime	NO	PRI	0000-00-00 00:00:00	

- user

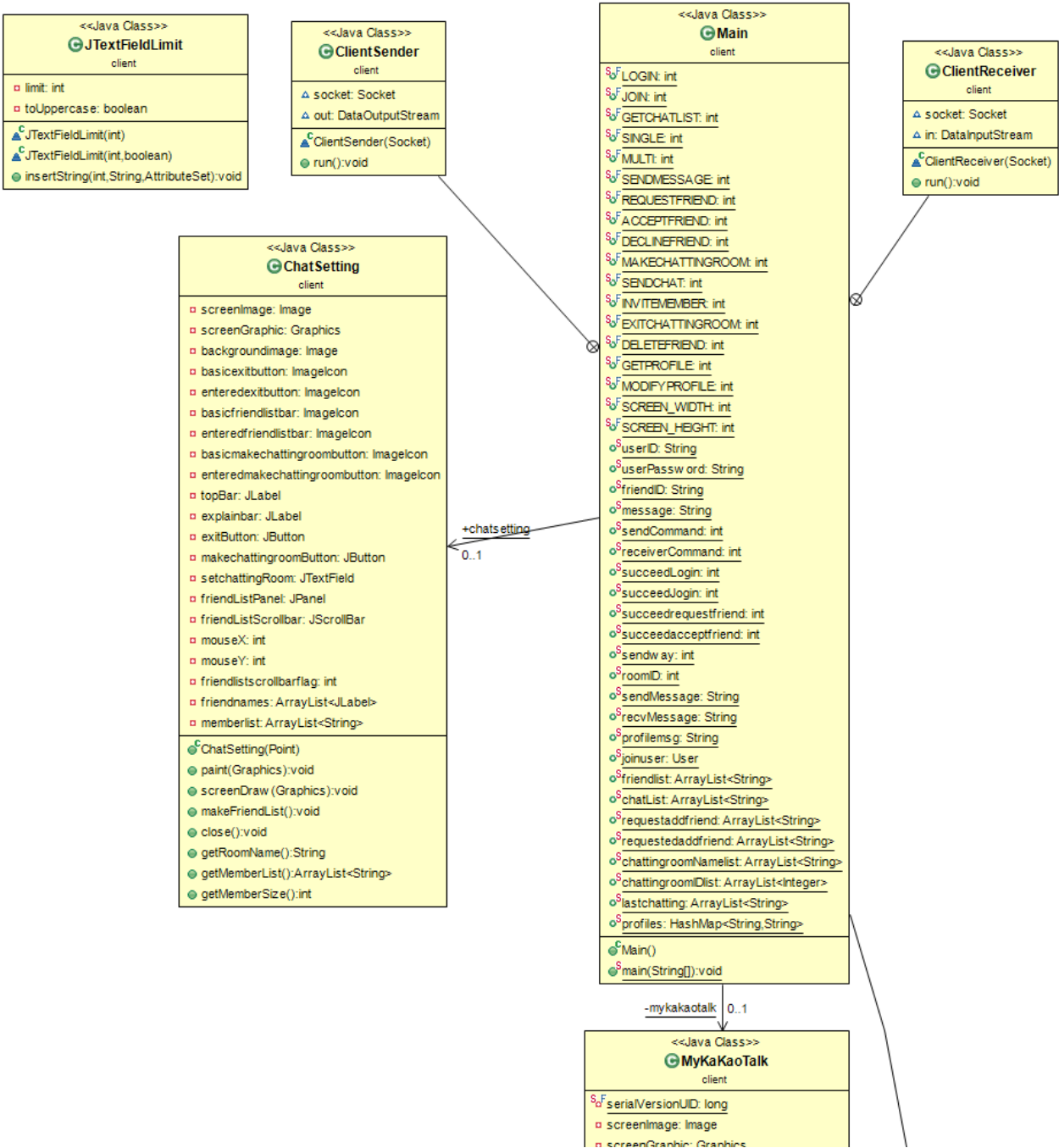
Field	Type	Null	Key	Default	Extra
userID	varchar(24)	NO	PRI	NULL	

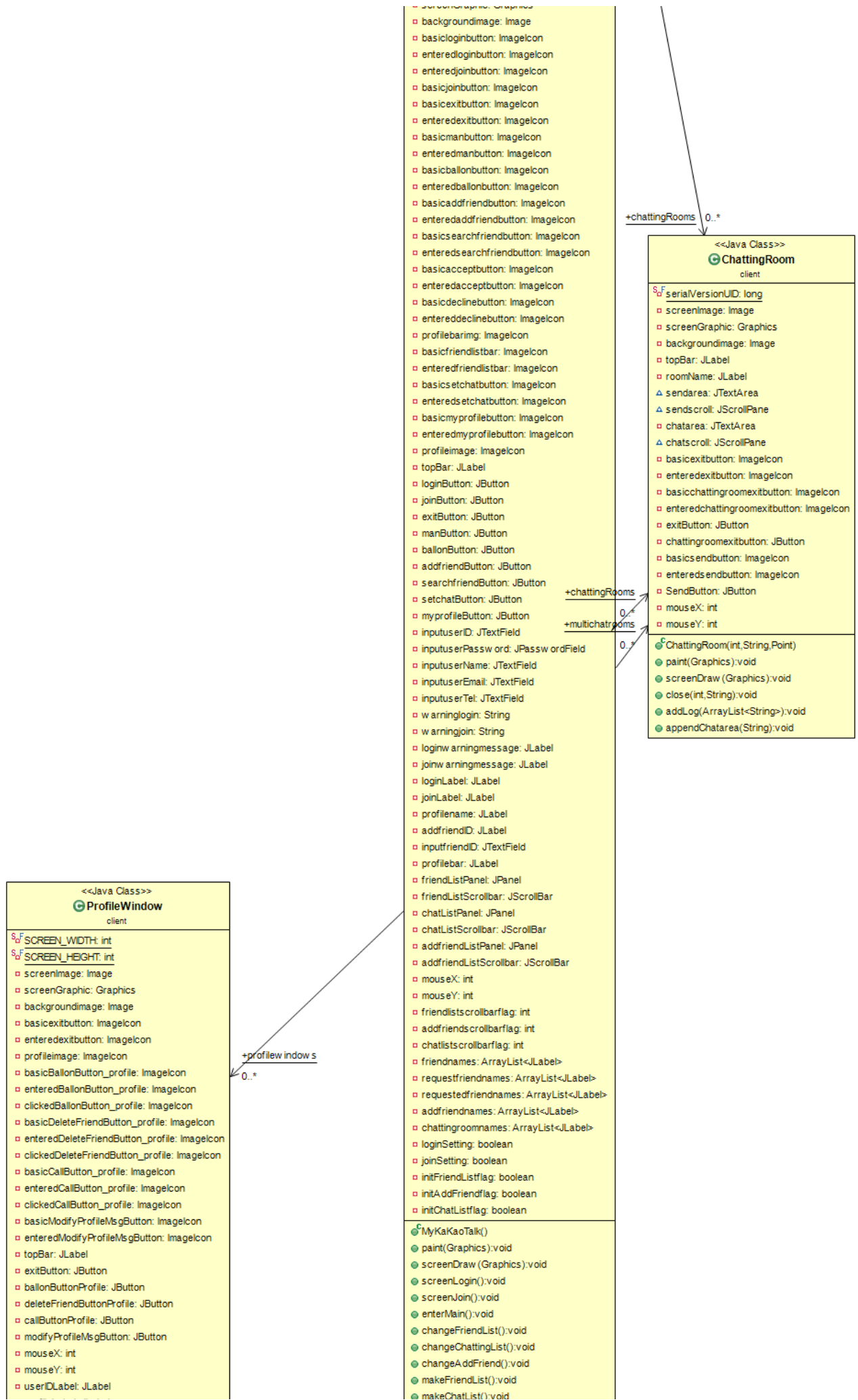
Field	Type	Null	Key	Default	Extra
userPassword	varchar(24)		PRI	NULL	
userName	varchar(16)	NO		NULL	
userEmail	varchar(32)	NO		NULL	
userTel	varchar(16)	NO		NULL	
profile	varchar(32)	YES			

Class Diagram

Client

- client





profileLabel: JLabel
ProfileWindow (Point,String,String)
paint(Graphics):void
screenDraw (Graphics):void
close(String):void

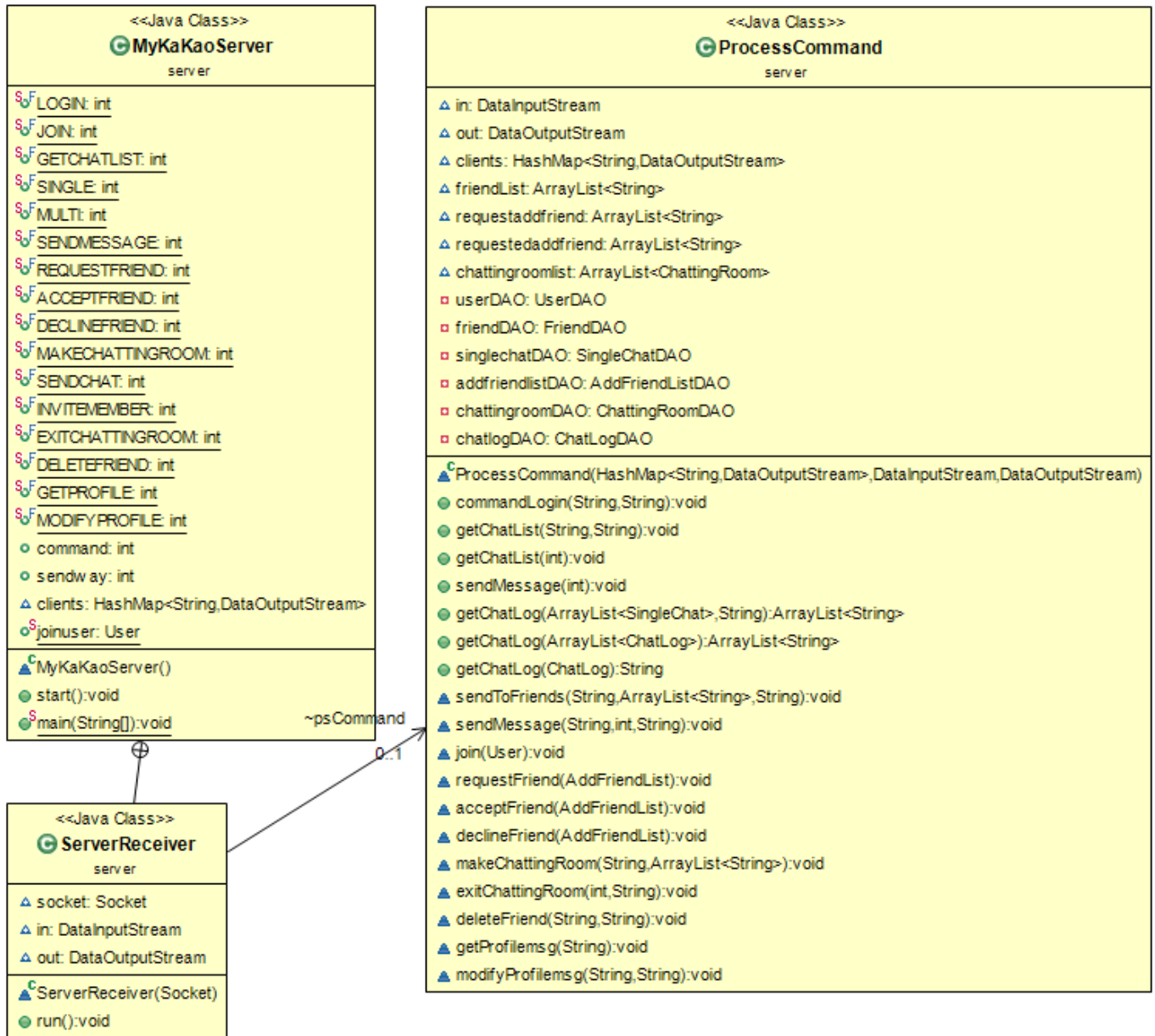
makeAddFriendList():void
remakeFriendList():void
makeFriendNameList(int):void
remakeChatList():void
makeChattingRoomList(int):void
remakeAddFriendList():void
makeRequestFriendList(int):void
makeRequestedFriendList(int,int):void
commandLogin(int):void
commandJoin(int):void
commandSendMessage(String,String):void
commandSendChat(int,String):void
getLoacation():Point
openChattingRoom(int,String):void
openChattingRoom(String):void
openProfileWindow (String,String):void
reopenProfileWindow (String):void
closeProfileWindow (String):void

- user

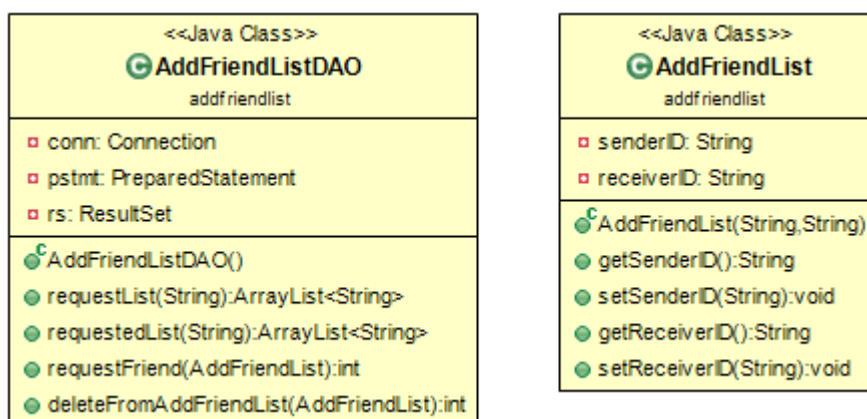
<<Java Class>> User user
userID: String userPassw ord: String userName: String userEmail: String userTel: String
User (String,String,String,String,String) getUserID():String setUserID(String):void getUserPassw ord():String setUserPassw ord(String):void getUserName():String setUserName(String):void getUserEmail():String setUserEmail(String):void getUserTel():String setUserTel(String):void

Server

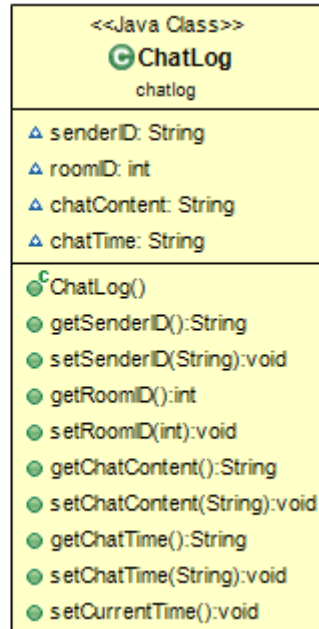
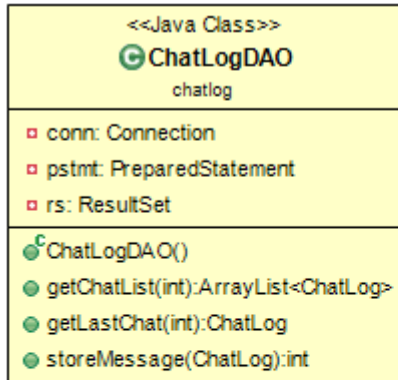
- server



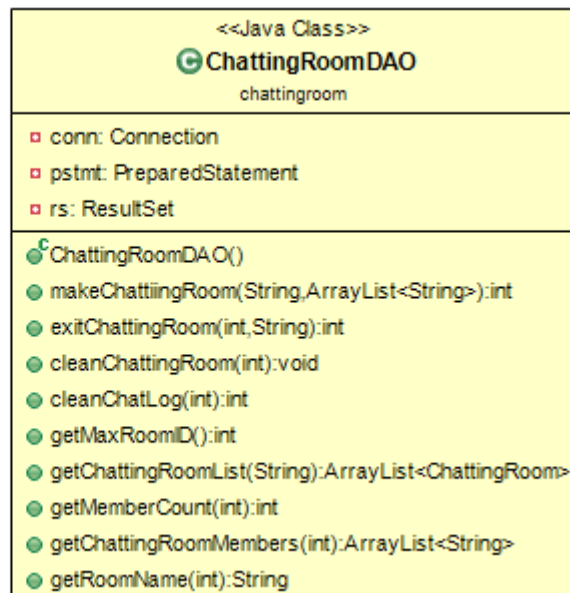
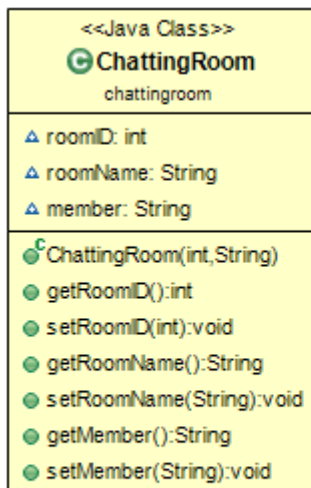
- addfriendlist



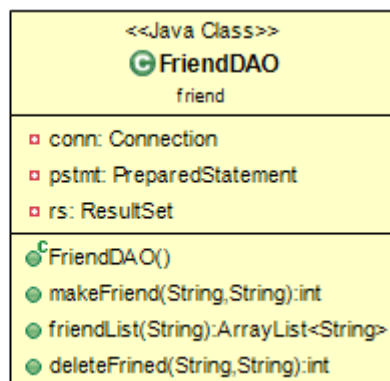
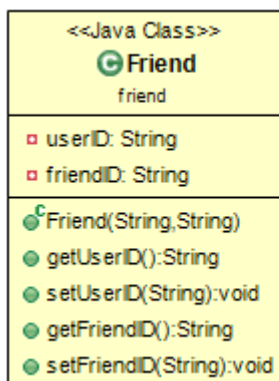
- chatlog



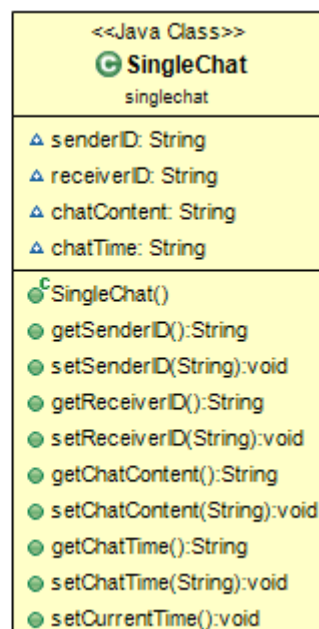
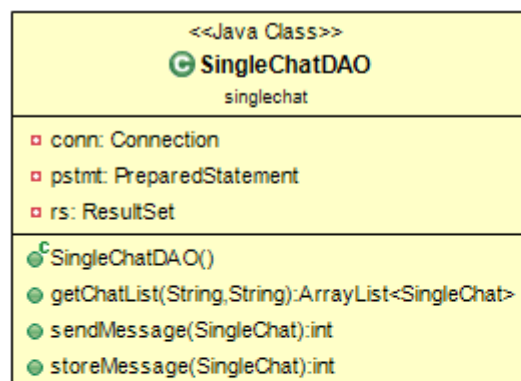
- chattingroom



- friend



- singlechat



- user

