GroupService

<<interface>>
GroupService

....

findGroupByName(name)

addGroup(group)

getMemberByGroupName(name)

isMember(group, user)

isGroup(groupName)

addMemberToGroup(group, user, isMode

findGroupById(id)

findGroups()

getGroupsForUser(user)

updateGroups(group, groupName)

GroupServiceDaoImpl

....

MessageService

<<interface>>
MessageService

....

saveNewMessage(message)

updateMessage(message)

findMessageById(id)

findMessageForReceivingUsers(user1,user2)

findMessageBetweenTwoUsers(user1, user2)

getNewMessageCount(usernaem1, username2)

MessageServiceDaoImpl

....