

OOPD Assignment 4

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Assumptions:

- All groups belonging to an admin, must have unique group names.
- All admins must have unique name.
- All the users are aware of the Groups available, and their corresponding Admins (needed for requesting to admission to a group)
- Admin maintains the operations performed on the group(adding/removing users, creating/deleting groups, belonging to him)

Below are the set of instructions that can be used to access this chat application system:

ADDU username pno address	: Adding new user
ADDU adminname pno address	: Adding new admin
CREATE-GROUP groupname adminname	: Creating new group
DELETE-GROUP groupname adminname	: Deleting a group
ADD-REQUEST username groupname adminname	: Requesting admission to a group
LEAVE-GROUP username groupname adminname	: Leaving a group
SEND-MESSAGE username group name admin msg	: Sending message to a group
SHOW-MESSAGE username groupname adminname	: Displaying messages of a group
SHOW-PENDING-REQUESTS adminname	: Display pending add-requests corresponding an admin
ACCEPT-REQUEST adminname groupname username	: Accepting a request to admission
SHOW-GROUPS	: Display details of all the groups
SHOW-USERS	: Display list of all users
SHOW-ADMINS	: Display list of all admins