

Req: get\_board\_ids

Resp: board\_ids [id1] [username1] [id2] [username2] [id3] [username3]

Req: set\_username [newUserName]

Resp (to all users in board): users\_for\_board [boardID] [userName1] [userName2]...

Resp (to user who made request): changed\_username [newUserName]

Resp (to all the users in the lobby, if the user who changed his name is in the lobby):  
users\_for\_board -1 [userName1] [userName2]

Req: create\_board [boardName]

Resp (to all other users): board\_ids [id1] [userName1] [id2] [userName2] [id3] [userName3]

Resp (to user who made request): board\_ids [id1] [userName1] [id2] [userName2] [id3]  
[userName3]

AND

current\_board\_id [currentBoardID]

Resp (to all the users in the lobby, if the user who changed his name is in the lobby):  
users\_for\_board -1 [userName1] [userName2]

Req: get\_current\_board\_id

Resp: current\_board\_id [boardID]

Req: get\_users\_for\_board\_id [boardID]

Resp: users\_for\_board [boardID] [userName1] [userName2]...

Req: join\_board\_id [boardID]

Resp (to all users in board): users\_for\_board\_id [boardID] [userName1] [userName2]...

Resp (to user who made request): board\_lines [numberOfUserNames] [numberOfLines]  
[userName1] [userName2] ... [userName\_N] [x1] [y1] [x2] [y2] [strokeThickness] [r] [g] [b] [a] [x1]  
[y1] [x2] [y2] [strokeThickness] [r] [g] [b] [a] [x1] [y1] [x2] [y2] [strokeThickness] [r] [g] [b] [a] [x1]  
[y1] [x2] [y2] [strokeThickness] [r] [g] [b] [a]...

Resp (to all the users in the lobby, if the user who changed his name is in the lobby):  
users\_for\_board -1 [userName1] [userName2]

Req: logout

Resp (to all users in board): users\_for\_board [boardID] [userName1] [userName2]...

Resp (to user who made request): logged\_out

Resp (to all the users in the lobby, if the user who changed his name is in the lobby):  
users\_for\_board -1 [userName1] [userName2]

Req: get\_users\_in\_my\_board

Resp: users\_for\_board [boardID] [userName1] [userName2]...

(if not in a board): failed

Req: leave\_board

Resp (to all users in board): users\_for\_board [boardID] [userName1] [userName2]...

Resp (to user who made request): done

Resp (to all the users in the lobby, if the user who changed his name is in the lobby):  
users\_for\_board -1 [userName1] [userName2]

Req: req\_draw [x1] [y1] [x2] [y2] [strokeThickness] [r] [g] [b] [a]

Resp (to all users in board including user who made request): draw [x1] [y1] [x2] [y2]  
[strokeThickness] [r] [g] [b] [a]

(if not in a board): failed

Req: req\_clear\_board

Resp (to all users in board including user who made request): clear\_board