

Logger

Stores a log writer

logger
addToLog

User
Session

Main

main
runs a session

Session

Session

Stores the current user
Stores an input controller

run (runs the entire program)
valid-date checker
null-or-empty-string checker
separator creator
string-to-number converter
writeln
write
input getter
title displayer
user-from-console getter
a function to display each screen
(menu, log, add user, ban user, etc.)

User
InputController
Main

User

stores username
stores password
stores user id
stores admin (a boolean)
stores sign up date
stores list of login dates

get username
get password
record login date
get login dates
check administrative permission

UserManager

UserManager

Stores the last id assigned (so it could ensure all ids are unique)
Stores list of users
Stores list of suspended users and time

add user
user login
delete user
ban user
unban user
user existence checker
users getter
suspended users getter

User
InputController

InputController

Stores last id
Stores users
Stores suspended users and time

add user
add admin user
user login
delete user
ban user
unban user
user existence checker
users getter
suspended users getter

UserManager
User
Session