Description

A gym management program, CLI based.

Manual

1) argv[1] contains the path to the configurations file, which contains all needed information about the gym: number of trainers and possible workouts for each one. Supplied example: Files/ExampleInput.txt.

2) Open a new workout session:
   open <trainer_id> <customer1>,< customer1_strategy> <customer2>,<customer2_ strategy>
   where trainer_id is a number in the configurations file, customer[i] is the name of the customer, customer[i]_strategy is one of he following:
   - swt (sweaty) – order all the cardio activities.
   - chp (cheap) – order the cheapest activity.
   - mcl (Muscle) – order all anerobic activities, from the most expensive to the cheapest.
   - fbd (full body) – order the cheapest cardio activity, the most expensive mixed-type activity, and the cheapest anerobic activity.

3) Start the workout session:
   order <trainer_id>

4) Move customer from one trainer to another:
   move <origin_trainer_id> <dest_trainer_id> <customer_id>

5) Close workout session:
   close <trainer_id>
   This also prints the salary of the trainer for the workout session.

6) To close the program, type "closeall".
   This closes all the workout sessions, prints the salaries of the trainers, and closes the studio.

7) To show the studio's workout options:
   workout_options

8) To show a trainer's status:
   status <trainer_id>
   This prints whether a trainer is working right now, a list of all of his customers and their orders.

9) Print system log:
   log
   Shows all the actions performed by the user.

10) Backup studio's data:
    backup

11) Restore studio's data:
    restore