

Dictionary

Set is a series of reps of an exercise done in sequence (usually without rest).

Repetition (rep) is one completion of an exercise, such as one deadlift, one bench press, etc.

Description of the “Training” business process

“Training” business process describes about a single training at SmartGym after successful online registration and getting work out plan in the mobile application from a personal trainer. If you worked out, you know that sometimes it’s hard to keep track of times of repetitions that you need to do on specific exercise equipment. Taking notes after every set* to keep track of your results and to go along with the workout plan takes your precious training time and makes you distract. Therefore, SmartGym uses “Smartener” – device that keeps track of your exercising along with mobile application. Smartener (a lane in the “Tracking system” pool) is installed on every exercise equipment, so it could count repetitions of a bodybuilder and notify when the needed repetitions are reached by sending the signal to the bodybuilder’s smartphone.

A Smartener device has two types of wireless technology:

- NFC (Near Field Communication) – for pairing a smartphone with a Smartener device;
- Bluetooth – for fetching the data that is monitored during one set.

Smartener device has an RGB LED that can be green, yellow or red. In the idle state, it is green. When a client wants to connect his phone with a Smartener, he presses a button on a Smartener and the green light slowly flicker. It shows that the device is waiting for pairing with a smartphone. In case if the client will not pair his phone for one minute after pressing the button, the RGB LED turns red for 3 seconds with accompanying sound and after that, the state becomes idle. In case of successful pairing, the light of the RGB LED becomes yellow that means that Smartener monitoring the exercise (number of repetitions and time). When the client is done with the set, he presses the button on a Smartener and the data is transmitted through Bluetooth to the mobile application where work out statistics are kept.

