

## **Revision History**

<b>Date</b>	<b>Version</b>	<b>Description</b>	<b>Author</b>
13/MAR/2019	1.0	Initial Specification	Moldovan Balázs
03/APR/2019	1.1	Add Detailed Use Case description	Moldovan Balázs

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## **Use-Case Model**

### **1. Use-Cases Identification**

Use case: Check Statistics

Level: Admin goal

Primary actor: Admin

Main success scenario:

- Login: Successful data validation required
- Admin is directed to homepage
- Admin is displayed special menu for statistics
- Admin clicks “Statistics” button
- Admin is displayed statistics options:
  - newly registered users (list) in the last period (day, week, month, year)
  - activity types (running, swimming, cycling, hiking)  
\*developer choice to add more
  - statistic types:
    - total run/swum/cycled/hiked kilometers in the last period (day, week, month, year)
    - total run/swum/cycled/hiked minutes in the last period (day, week, month, year)
    - average activity practices for users in the last period (day, week, month, year) displayed as list of the users with average activity features:
      - average kilometers run, average elevation
      - most practiced swimming stroke type (butterfly, breast, ...)
      - most practiced cycling type (mountain, road, ...)
- Admin selects the desired activity, statistic type, period
- User clicks “Show” button
- The system displays the statistics of the selected type

Extensions:

- 1\* Wrong credentials, admin is redirected to login page
- 7\* Error: when server or database are down, or any internal problem occurs, admin is displayed a message to try again later (no specific cause mentioned)

## 2. UML Use-Case Diagrams

