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TracKtiv
Use-Case Model

Version 1.0

Revision History

Date	Version	Description	Author
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: Add Activity
Level: User goal
Primary actor: User
Main success scenario:
- Login: Successful data validation required
- User is directed to homepage, where history of personal activities can be seen
- User clicks "Add Activity" button (button placed in the menu part of the UI)
- On button click the User is redirected to new page with an empty basic activity registration form
  * basic = fields that are common for any activity: name, type, date.
    - name: defined by user: no constraint
    - type: selected by user: types are defined by the system, user can select the type of activity (running, swimming, cycling, hiking) - list extendable in the future
    - date: field filled by default with current date, but user can change it (only to past dates)
    - duration: filled by user (hours + minutes)
- When activity type is selected, in this case 'running', the activity form automatically expands with empty fields for a specific activity. In case of running activity:
    - distance: filled by user (default measurement unit needed only: km)
    - pace: filled by user (number of minutes to cover 1 km)
    - elevation gained: filled by user (default measurement unit needed only: m)
  *all fields are mandatory, when all completed 'Add' button is active
- User clicks "Add" button
- The system stores new activity
- User redirected to activity history page, activity stack visible to the user with the newly registered one.

Extensions:
- 1* Wrong credentials, user is redirected to login page
- 7* data validation error: the specific error message is displayed on the screen about the wrongly completed field ('wrong date' for future date, 'incompatible types' when string instead of number)
- 7* server error: when server or database are down, or any internal problem occurs, user is displayed a message to try again later (no specific cause mentioned)

2. UML Use-Case Diagrams