Group 6: Use Case Descriptions

Main Use Cases

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| **Name** | Create Profile | |
| **Description** |  | |
| **Actors** |  | |
| **Flow** | **Basic Flow** | **Alternative Flows** |
| **Preconditions** |  | |
| **Postconditions** |  | |

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| **Name** | Synchronise Device | |
| **Description** | The Athlete goes for a run and tracks their activity with a device such as a Fitbit, Apple Watch etc. The Athlete opens the application with the intent to synchronize their device to view the data from their run. The application displays the list of available devices that the Athlete can connect to. The Athlete selects the device they wish to connect and then synchronizes the device. The application then imports all the new data from the device. The then application indicates whether or not the import was successful. | |
| **Actors** | Athlete | |
| **Flow** | **Basic Flow**   1. Athlete opens application with the intent to synchronise their device 2. Application displays all available devices 3. Athlete selects the device they wish to connect 4. Athlete synchronises device with system 5. All new data is imported into the application 6. System indicates a successful import 7. Application displays the imported data 8. Athlete disconnects device from system | **Alternative Flows**  3a. There is no device connected /the device fails to connect to the system   1. System signals an error message 2. System prompts Athlete to try again 3. Athlete attempts to connect device to system again   4a. There is no new data to import into the application   1. System signals there is no new data on the device |
| **Preconditions** | Device must be accessible by the application  Must be new data on the device | |
| **Postconditions** | Data has been imported into the application | |

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| **Name** | View Statistics | |
| **Description** | View Statistics is a feature that allows a user to view data (such as distance, duration, calories, etc.) that was recorded from their smart device during a physical activity. The data is transferred from the smart device and displayed to the user, so they can have all their statistics in one place. The user can select from multiple activities that they have saved and view statistics about their performance. | |
| **Actors** | Athlete | |
| **Flow** | **Basic Flow**   1. Athlete opens application and presses statistics button. 2. Athlete prompted to pick which of the imported activities they would like to view. 3. System displays the data for the activity that the user selected.   The user is now able to see recorded information about their selected activity. | **Alternative Flows**  1a. System gives error that no activities have been imported.  1. System displays that the user must import data before an activity can be selected. |
| **Preconditions** | Before the user can use the View Statistics feature, the following conditions must be satisfied:   * Athlete has created a profile * Athlete has imported data from a supported smart device (Apple Watch, Fitbit, Garmin) | |
| **Postconditions** | * Data is viewable to Athlete | |

Additional Use Cases

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| **Name** | Friends |
| **Description** | Friends is a feature that allows a to user send friend requests and accept requests from people they know. Once a request is accepted, the user agrees to share their activity data with their friend. In turn, they can view their friend’s data and compare statistics |
| **Name** | Manage Data |
| **Description** |  |