

Week #2 Plan

For this week, we decided to implement the second use case - the import activity data. Since we have our basic structure already implemented, we will now start to further expand the functionality of our application.

While implementing this part, we will take into consideration the input format of the data. The imported data will be displayed showing the run imported.

2. Import Activity Data

Name: Import Activity Data

Description: The user would like to add their activity data to the application from an external source.

Basic Flow:

1. Registered User signals intent to system to import activity data
2. System asks Source Enumerator which sources are available
3. Registered User specifies the source of the data from a list of available sources
4. System instructs Data Parser to import data from Data Source to Persistence Entity

Alternate Flow:

- 2a. There are no available supported sources.
 1. System signals to user that there are no supported sources available
- 2b. User cancels the import
 1. System returns to the previous state prior to signalling their intent to import data.
- 4a. The data source was disconnected before the user selected it
 1. System signals to the user that the selected device is no longer available.
- 4b. Data Parser is not successful
 1. Data Parser signalled that the source is no longer available. Advise user that the source must remain plugged in.
 2. Data Parser signalled that it did not understand the source. Advise user that the source is not comprehensible and to check the condition of the source.

Actors:

Registered User – has preexisting account and is logged in

Persistence Entity – receives the imported information

Source Enumerator – this entity discovers and enumerates import sources

Data Parser – this entity exchanges data from the source to the persistence entity

Data Source – this is a device that contains records of activity

Preconditions:

The user must have an account and they must be logged in.

The persistence entity must exist and be initialized.

Postconditions:

The data must have been imported from the device into the persistence entity.

The user's account must still be valid and logged in.