Use case Description

Add a tracker

Precondition

1. User has created an account.
2. User has logged into their account.
3. User has selected tracker tab.
4. User selected to add a tracker.

Flow of Events

1. User selects add a tracker option from the tracker page.
2. List of trackers that it is possible to import data from is shown to user
   1. If the user selects an item from the list then they are redirected to an authentication page.
   2. If the user selects cancel, then the user is asked to confirm their decision, after which they are returned to the tracker page or prompted to select a tracker from the list.
3. Once on the authentication page the be asked to give permission to allow the app to access their data from the selected tracking service.

Post Conditions

1. System updates the users information, using the new data imported from the added tracker, if a tracker was added.
2. The system returns to an idle state and waits for next input.

Actors

The user is the main actor in this use case as they will initiate the case by selecting the tracking tab in the app, and the tracking application that the data will be collected from. Another actor will be the cloud as the user data will be updated if the user makes any changes.

Scenarios

1. User A selects “Add a tracker” option from the tracker page and is prompted to select the tracker that they would like to import data from. They select Fitbit from the list of options. The user is redirected to the Fitbit OAuth 2.0 authorization page where the user selects “allow all” to give the app permission to collect all of their data from Fitbit. HTTP request is made to access the users data. User data is pulled from the server and imported to the in-app tracker. Data is added to databases for use by other parts of the app etc. user is shown a message confirming their data has been imported and is returned to the selection screen.