USE CASE 1 DESCRIPTION

Name: Create User Profile

Description:

The use case defines a scenario where the user will create a new profile in order to save and tack activity data. The purpose of this use case is to setup a personalized section where the user could store their data. This is important because it will give the user privacy while tracking the data. A personalized profile will also be able to assist in developing features in the future which will cater to the needs of a specific user ex: providing user with a goal. Overall, creating a profile is important due to immense benefits of being able to identify and provide solution based on individual needs.

Actors: In this case the actor would be a random person called to use the app normally and give feedback on the creating profile

Basic Flow:

1. User opens the application
2. User selects register new profile
3. User enters required information
4. User is asked to select a unique ID
5. User selects an ID
6. System checks if the ID is available
7. User is asked to select security measure (way to login)
8. User selects a security measure (way to login)
9. System ensures security measure is secure
10. User is asked to select a security reset measure
11. User selects a reset measure
12. Systems confirms if the reset measure is secure
13. System creates User Identity in the Database
14. User is provided an option to import data/connect device
15. User gets a welcome message on creating the profile

Alternate Flows:

6a) ID is not unique

1. User is asked to select a unique ID
2. User selects an ID
3. System checks if the ID is available

9a) Security measure is not safe

1. User is asked to select security measure (way to login)
2. User selects a security measure (way to login)
3. System ensures security measure is secure

12a) Reset measure is not secure

1. User is asked to select a security reset measure
2. User selects a reset measure
3. Systems confirms if the reset measure is secure

14a) User chooses to import data

1. User is prompted to select a file with tracking data
2. User selects a file
3. Processes and adds the data

14b) User chooses to connect a device

1. User is asked to pick a device
2. User selects the device
3. Add and start tracking data from device

Preconditions:

1. User should have the tracking software

Postconditions:

1. System should successfully be able create new user profile in the database
2. System should be able to keep track of new data in profile

USE CASE 2 DESCRIPTION

Name: Importing data from devices

Description:

While making the health tracking app, it is necessary to be able to have the authority to import your fitness data from various different devices like a Fitbit or a smartwatch. In short, the user will identify himself and will be able to import his health information like calories burned, distance covered, etc. from his smartwatch and the system would be able to process the data and save it in the system for future evaluation. So, in this case the user would have to go through the hassle of manually inputting all the data for the system

Actors: In this case the actor would be a random person called to use the app normally and give feedback on the importing feature

Basic Flow:

1. User opens the software
2. User identifies himself/herself
3. The system checks if the identification is valid and gives a response to the user
4. User is taken to the home page
5. User selects import option
    i. User is prompted to select the source of the data
6. System extracts and records this data
7. System arranges and sorts the data accordingly
8. User is informed that the data has been successfully imported
9. User is taken back to the home page

Alternate Flows:

2a. The account identification failed

1. The system sends a message to the user saying that account not found
2. The user is given an option to re-identify himself
   2i. Credentials are incorrect
    i. User tries to re-enter credentials.
    ii. If forgotten, user can reset password.

2b. The account is not found in the system

1. The system responds by asking the user to create a new account

2. User is taken to the sign-up page and creates a new account

Preconditions:

2. User should have the tracking software
3. User should have a compactible smart watch

Postconditions:

3. System should successfully be able to import the data

System should successfully be able to save and use the data later for statistics

USE CASE 3 DESCRIPTION

Name:

View Activity Statistics

Description:

In the activity tracker application, a user can view statistics for activities they have uploaded. For running, some of the statistics viewable are distance, time, and pace. The user has the choice to either view statistics for all activities or statistics for a specific activity. Furthermore, a user can view his average statistics through all activities logged, and the ranking of his best statistics logged.

Actors:

1. The user

Basic Flow:

1. User opens application.
2. User identifies self.
3. System checks if credentials are correct.
4. User is brought to the homepage.
5. User Selects the “Statistics” tab from the homepage.
6. User is presented a screen with multiple statistics.
7. User can select to view a statistic in more depth or view past activities records.
8. User exits application.

Alternative Flows:

2a. User does not have an account on the application

1. User clicks ‘register’.
2. User fills out the registration form.
3. User creates account.

3a. Credentials are incorrect

1. User tries to re-enter credentials.
2. If forgotten, user can reset password.

7a. Users wants to see a statistic in depth

1. User clicks on a specific statistic.
2. A page is loaded displaying:
    i. The highest values of this statistic from past records
    ii. A list of the most recent entries for this statistic.

7b. User wants to view past activities recorded

1. User clicks the ‘history’ button on the ‘statistics’ page.
2. A page with a list of past activities is displayed.

Preconditions:

1. Have Activity Tracker application downloaded on a computer.
2. Have an Activity Tracker account.
3. Have an activity tracking device connected.
4. Upload at least one activity entry.

Postconditions:

1. User has seen statistics for his activities.

USE CASE 4 DESCRIPTION (minor)

Name:

Managing runs

Description:

In this activity tracker application, the user can manage his/her runs by several ways. The user can create a new run and add it to the system. The user can also edit previous runs and make changes and if the user is unsatisfied with the runs, the he/she can delete it as well

USE CASE 5 DESCRIPTION (minor)

Name:

Adding Friends

Description:

In the activity tracker application, a user can add friends and see their friend's progress. To add a friend, select the friend tab and see the list of possible friends to add. Select the friend you want and click add. Once you have a friend added, you can click on their profile to see a preview of their progress.