**USE CASE 4 DESCRIPTION**

**Name**: Interacting with friends

**Description**:

While making the health tracking app, it is necessary to be able to have social group and competition to increase the user motivation and boost their personal achievements. Users can add friends and see their progress and motivate him/herself. The friends could also compete and get better fitness

**Actors**: In this case the actors would be the user himself and his few friends to test the system out

**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 add a friend option
6. User is prompted to enter the username of his/her friend
7. System checks for the friend’s username in the database
8. System finds a match of the friends account in the database
9. System sends an invite to the friend of the user
10. Users friend accepts the invite
11. Users friend is added to the friend list of the user
12. User is notified that his friend was found and added to the friends list
13. User is taken back to the homepage
14. User taps on the friends he wants to see the progress of from the list
15. The progress of the friend is fetched from the friend’s database and shown to the user

Alternate Flows:

6a. 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 reenter the user-id
3. User provides a corrected user-id
4. System continues the search

9a. The friend does not accept the invite

1. The system responds by reporting the user that the friend request has been denied
2. User is given a choice to resend the request or to go to the homepage

Preconditions:

1. User should have the tracking software
2. User should have friends
3. User should have the user-id of the friend

Postconditions:

1. System should successfully be able to see his friends in the list.
2. User should be able to see the progress of the friends