Use Cases

# Use case 1

Use Case: Recording activity and health

Scope: Activity tracker

Level: User goal

Primary Actor: User of activity tracker.

Stakeholders and Interests:

* User: Wants to record their activity accurately and with ease.

Preconditions: The activity tracker is paired with a phone.

Success Guarantee: Activity is recorded and saved accurately. Heart Rate is monitored and recorded accurately.

Main Success Scenario:

1. User wears the activity tracker
2. The tracker monitors and reports the heart rate of the user.
3. Tracker records the number of steps that the user takes
4. Tracker estimates the number of calories burned by the user based on the number of steps and heart rate.
5. When user sleeps, tracker monitors the quality of user’s sleep.
6. Tracker saves the day’s recorded activity and reports the activity app on paired phone.

Extensions (Alternative scenarios)

1. If the watch is not paired before use
2. Watch saves activity and health data for up to 1 week
3. If the phone is paired in that week, the data is shared with the phone
4. If the tracker is not paired for over 1 week, then it only saves data of the past 7 days.

Special Requirements:

* Wearable must have large text and buttons.
* The UI should be clean and easy to interact with
* The activity feedback should be in real time.

Technology and Data Variations: Wearable turned off and on by pressing and holding side button for 3 seconds.

Frequency of Occurrence: Continuous

Miscellaneous Such as open issues: Transferring data from the wearable to the smartphone app.

# Use case 2

Use Case: Accessing activity and health data

Scope: Smartphone

Level: User goal

Primary Actor: User of activity tracker.

Stakeholders and Interests: User of activity tracker.

Preconditions: The activity tracker was paired with the phone before recording activity.

Success Guarantee: Saved activity and health stats are represented in an understandable and accurate manner.

Main Success Scenario:

1. User opens the activity tracker app on their paired smartphone.
2. User can see the activity stats on the opening interface of the app
3. In the activity stats interface user accesses data on the current days activity
4. User wants to see the weekly activity so the user selects the calendar icon.
5. User can see the weekly activity in a calendar format.
6. This interface also gives user data on their health(ex: resting heart rate)
7. User clicks on the graph icon from the quick access bar to see a better visualization of this data.
8. User’s activity and health data is represented in color coded bar graph.

Special Requirements:

* Data must be color coded and easy to understand visual representation.
* Reported data must be in real time.

Frequency of Occurrence: Daily

Miscellaneous Such as open issues: Transferring data from the wearable to the smartphone app.