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Class: SEGR 5220 - User Experience Design

1. Pick a favorite app / application / device (aka The Thing) - one that you would or have recommended to other people

A. Describe what the Thing does and what you use It for?

Ans: A favorite device of mine is the fitness wristband Fitbit Charge 2. It is not only just a device but also includes an app to control the wristband. I usually use it for recording the number of steps I take every day and monitoring the length and quality of my sleep.

a) Who makes the Thing? (company / person / school)

Ans: The product is created by Fitbit, and it was released in 2017.

b) Include a screenshot or picture.

Ans: The first one shown below is a picture of the device, and the second one is a screenshot of the corresponding control app.

c) Include a list of major features.

Ans: The Fitbit not only records steps, heart rates, and sleep quality but also enables the user to receive notifications from calling, texting and calendar alerts.

d) Describe who the Thing was designed for. What are the kind of people or users who would use it the most?

Ans: In my opinion, if someone desires to exactly know what he or she does every day regarding his or her health, this product is a wonderful device to achieve this purpose.

B. Why is this Thing a favorite? What do you tell (or would tell) people about why they would like it?

Ans: Firstly, this product has a fashionable ID, and users can alter the band easily according to their preference. Secondly, the time, the date, steps, and heart rate can be displayed on the screen with the appropriate size, and the battery life can last for five days.

C. Describe two scenarios that you use The Thing for frequently

a)   What's the goal of each scenario? Why is it important?

Ans: The first scenario is that the device records the number of steps I take every day. All I need to do is to wear the wristband the whole day. When I want to know the

details, I just need to launch the control app and see the records that the device has stored. The information is very useful for me to understand my exercise capacity because I make a plan for myself to complete one hundred thousand steps per week. This exercise capacity is a suggestion of my doctor to help me lose weight. For example, if I only take twenty thousand steps during the first three days of the week, I have to increase the daily exercise in the following days to achieve the goal. The second scenario is that the device helps monitor the quality of my sleep. Like the previous scenario, I only need to wear this wristband the entire day. When I sleep, it will identify the sleep quality and record it as REM, light, and deep conditions. The information is a valuable indicator to demonstrate how people sleep, and they might be able to find the clues to improve sleep quality according to this information.
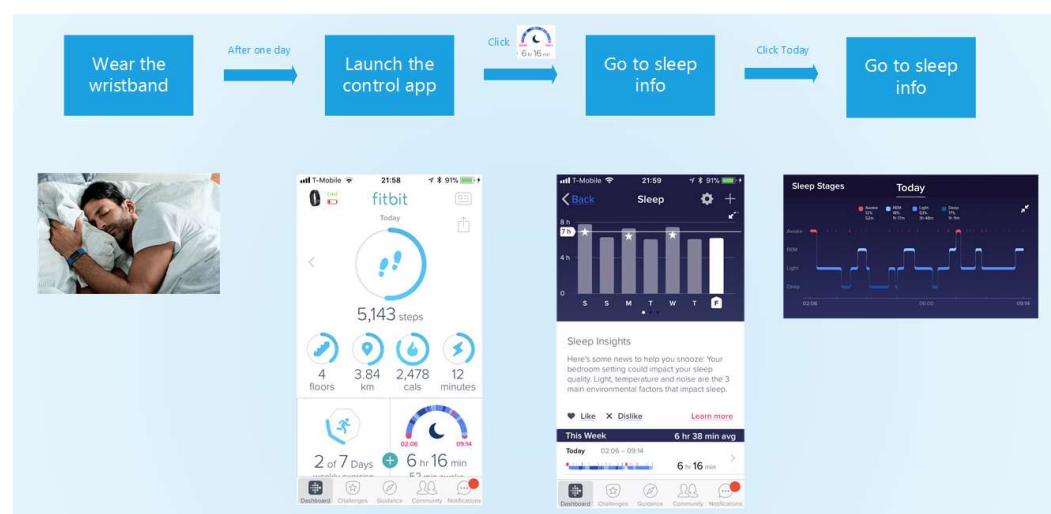
b)   There are several ways to do this - choose one that's comfortable for you:

Flowchart - use a flowchart to describe the steps

Ans: The first flowchart is recording the steps.
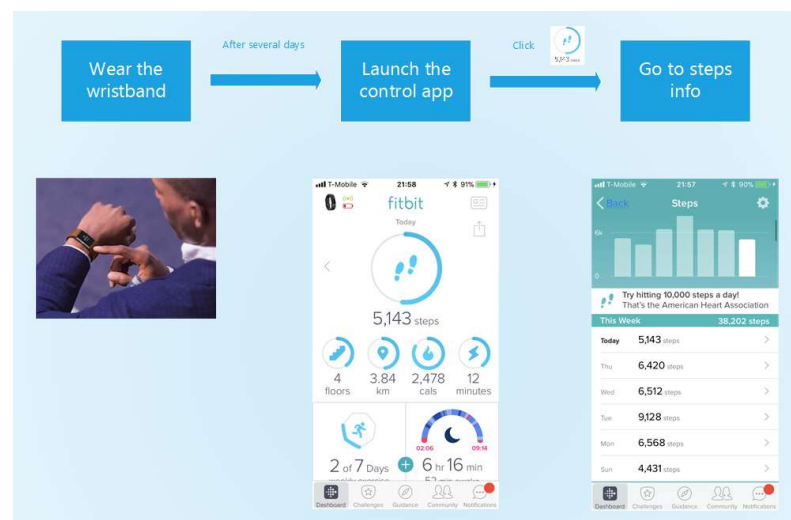
The second flowchart is detecting the quality of sleep.

D. Track the next 2-3 times you use The Thing and think about the environmental context

a) Describe where and when you were using it

Ans: Technically, I am using it everywhere and all the time except when I am charging the device.

b) What else were you doing at the time?

Ans: I can do anything when I am using this device.

c) If you are multitasking, what else were you doing?

Ans: I could be walking, sleeping, studying, exercising with this wristband.

d) If the Thing interacts with other tasks, technologies, and things that you do, describe them.

Ans: The wristband connects with smart phones via Bluetooth. When users want to see the data stored in the wristband, they need to launch the control app and drop down the screen, and then this control app will synchronize the data from the wristband to the memory of the phone. The other thing that I want to mention is the detection mechanism of the user's body. The wristband includes a motion sensor and an algorithm that can sense motion and precisely determine the user's behaviors such as walking, sleeping etc.

e) Are there ideal or optimal places and times to use the Thing?

Ans: If the user wants to achieve a particular level in exercise, the heart-rate monitoring feature is very helpful. People need to increase the heart rate to a certain level when doing certain types of exercise, and then the app can help the users simultaneously determine whether the exercise that the user has done meets the requirement of heart rate and lasting period. This device is capable of high accuracy in monitoring heart rates.

Reference

1. https://www.fitbit.com/charge2/charge2-101#fitbit-mobile-device-101-15
2. https://www.fitbit.com/charge2