Participant A

PA has no background with technology.

Initial Device Session: PA pressed screen to try and turn on device, inspected device for on button, and tried to push and random parts of the device. Also repeated attempts at using the app to turn it on. Quite frustrated at this point. They required much guidance to turn it on, they didn't understand that the battery being plugged in was how to turn it on. Once shown this they were able to turn on device easily. PA connected to the device by pressing the reconnect button before device power-on, since the app attempts to reconnect for a 30 second window, once the device was turned on it auto-connected – so they didn't actually realise they'd connected. When asked to disconnect PA simply turned off device power.

First app use: PA thought the not connected icon was an information button. PA then went on to look at the graphs and identified the graph control section on the first graph. However, they though that weekly interactions meant it would be "put into weeks", whereas the real timescale was days per week. PA correctly identified why the trend graph was blank, "Cause I've only started using this today". They thought the different colours in the pie chart meant something, like a red, amber, green traffic light system.

When outdoors: PA noted that it was inconvenient to use when wearing a jacket.

Post Experiment Notes: PA likes having both the screen and the vibration, however there was initial confusion on why there was vibration – they thought it meant something else was happening. PA noticed that number on the weekly graph had went up, and also noticed that as they expected the trend graph didn't change. PA struggling to tap the spinners because of nails, especially the middle spinner. **Now looking at fake dataset to evaluate the graphs fully**. Noted the pie chart numbers were slightly different. They understood dates on x-axis trend. They understood that the bars were relative to each other not to some other value. PA says the trend graph reminds them of one of the Fitbit graphs, says "when trend is red it's in peak use". PA doesn't understand the pie chart legends, so doesn't understand what each category, they said "colour", means. PA thinks top pie chart is how active to how inactive. PA doesn't understand why some slices don't have numbers in them – think the slice with nothing in it was the collision that occurred. PA thinks the top pie chart is one device, and the bottom pie chart is another device, but did recognise the bottom charts use correctly.

Participant B

PA has a strong background with technology.

Initial Device Session: PB understood immediately how to turn it on. When asked to connect first tried to reconnect – the prior device was blank. Then scanned and connected successfully. Disconnected properly when asked to, then when asked to turn off the device unplugged it as expected.

First app use: PB went to press graphs, then accidentally hit home button – annoyed. PB figured out the graph change quickly. PB tried tapping disconnected icon – doesn't understand its purpose. PB struggling to select spinner options. PB understands weekly interactions graph. Confused by trend graph. Not much of a comment on pie charts.

Post Experiment Notes: PB understands that vibration is a warning and prefers it to the screen. Says the screen is "quite basic and easier to miss". PB found that the number of interactions had

changed. PB can't tell if dates had changed on the weekly interaction graph – doesn't remember (incorrect they didn't change). PB found that trend still has no information. PB also found a bug, since using a different phone from usual the dates on the trend graph don't display properly so hard to understand – I explained how the format should look, they then understood it as a date. Noted that the pie charts had a lot more data. Recognises that the weekly interactions graph shows daily interactions grouped by the past week. PB understood legend for pie chart, understanding how long interactions were and how far apart. PB still unsure what trend line should be showing – didn't understand why it was going up and down.