**Name of the file:** group02\_trimmed

**I:** And maybe you can just, like, describe your user experience, how it feels and how it worked out for you.

**B1:** Okay. So, for me, I have to say sometimes I forgot about it. Because I was just like (?constantly) in the kitchen. So, I took some pictures in the beginning, and then I forgot about it for, like, a couple of days. And it was completely kind of like- Yeah, in the beginning I even wrote down some ideas while being at work. And it’d be like: “Oh yeah, that would be a cool idea.” And when I come home, I want to know this and that, and: “Maybe I should take a picture and paint it then afterwards.” Because, yeah, I’m not here that often.

**I:** Okay, yeah.

**B1:** It was like, yeah, I have to write them down, otherwise I’ll forget them. And, yeah, that’s what I did then. I came home and I took some pictures. Sometimes. It wasn’t that frequent. (**I:** No.) But yeah, if I had an idea, yeah, I took a picture.

**B2:** Are you talking about actually regarding the application itself?

**B1:** You just- Yeah, it’s- at the moment it’s just like first of the application.

**B2:** (?And the) the application itself was- (laughs)

**B1:** (laughs) That was like the whole experience … #00:00:55#

**I:** No, but it- Let me this is like also like the (B1: Okay.) like you just get the application in a journal like, but afterwards. So, if you had an idea, you wrote it down and then you used the application to somehow communicate it.

**B1:** Alright. Yeah, that would-

**B2:** The application, it’s easy to use. It was very- Actually, the application taught me how to use the Snapchat, how to use the- sorry, Instagram stories. (**B3** (laughs)) I was like-

**I?:** (laughs) We’re just the same.

**B1:** “What if this works like… Oh, it works like the application itself!” (I?: Okay.)

**B2:** So, it was actually- and it was very nice. Like, you could do, like, a lot of things. I didn’t feel like anything was missing when I- I also then take a lot of pictures. I take- Again, I, like, the first few days we had, like, many pictures, and then we all kind of (B1: Yeah.) like … #00:01:35# David King of #00:01:37# (laughs) (B1: (laughs (yeah)) with the big bloke. Ah, yeah, that’s it. But yeah, the application was usable, was mostly – what’s it called? – self-explanatory in a way, so I knew how- what- Whatever I wanted to do, the application helped me in a way.

**I:** Okay.

**B3** And I actually didn’t take any pictures with this pad. (I: Okay.) I do co- came up with some ideas. (I: Okay.) I wrote them down and- (I: Okay.) My notes are: I uploaded (I: Do you want to-) the diary (I: Ah, okay!) in my … #00:02:07# file. (I: Ah okay. Okay.) I told you. I have (I: Okay.) several only. (I: Okay.) Some- I should have- I used the pad. It’s actually easy to display my ideas with this pad. (I: Okay.) Some ideas- One idea I find is kind of- It’s better to explain it. (laughs)

**I:** Okay. Yeah, we will (B2: I can’t talk about it.) talk about the ideas later. So, were there any specific issues or-?

**B1:** I wouldn’t say issue just for me because you offered to like create another, like for example, sticker or something like that. (I: Hmhm.) And I was- the whole time I was like “yeah…”. Maybe I would need someone. It’s just too much effort to, like, go and send you an email (**I:** Yeah yeah.) and then wait for it to come to- be in my application. That’s why I was just like “Okay, (?let’s create it) like myself and be, like, a little bit more creative and maybe paint it blue or whatever.”

**I:** Okay, yes, I see.

**B1:** So yeah, I didn’t, like- Even though sometimes I was like, “Oh, maybe…” Like, for example, “a percentage sign would be cool” or something like that. I was like, “Yeah, maybe let’s just try to draw it or something like that.” (I: Okay.) Yeah.

**I:** So, looking back over it. Okay, you said like more in the beginning of the- so, like almost two weeks ago. Maybe you can describe, like, the most or your most favourite example of augmented reality.

**B2:** Hm.

**B3** I-

**B1:** I actually have a picture of all the pictures I take. Like, I can’t even remember all the pictures I took. Or do you mean like an- in general?

**I:** No, in general.

**B1:** In General. It’s like- So, you- you-

**I:** I think the tablet’s over here, right?

**B1:** Oh, that’s not the tablet.

**B3** Oh, I found this … #00:03:43#

(laughter)

**I:** (?No, that is just) like, I brought the other one. But this is fun. So, maybe we just like try to remember what was like the- your personal best experience (B2: Hm.) you would come up with.

**B1:** That’s- So, in general, not re- not my … #00:04:06#

**I:** Yeah. No, just, like, in general. What would, like- What was, like, the best or the most favourite example if you think about AR?

**B1:** Okay, so, for me personally, I think all the things that save you time. For example, to see a percentage or when the bus is coming or something like that. I think that was, like, cool, but it’s not, like, that cool, because you can just check your phone or whatever. (I: Hmhm.) But the things that are a little bit more, that not phys- abstract kind of like. I don’t know if this is the word in English, but like a little bit further away. For example, if you could actually see a mood of a person, for example. Or if, I don’t know, a grocery is kind of like dangerous. Something like that. (I: Okay.) Things that you can’t actually have as an app on your phone or- Yeah, that really has like where the augmented reality actually helps you and isn’t just replacing your phone, but like being a new kind of- a new field, kind of. That was the thing I enjoyed the most. That’s also why maybe some ideas are a little bit more too crazy.

**I:** Yeah, it’s like … #00:05:07# further way. But yes, it’s more like location-based or scenario-based.

**B1:** Yeah, it’s kind of like- For example, you’re not able to see- For example, yeah, when I draw a picture, for example, where I can actually see that when the bus is coming or where the elevator is and stuff that you can actually- or that you could nowadays already check with your phone, but things like, for example – with your phone or your MacBook, whatever – but things like, for example seeing, I don’t know, if, like, this is a grocery I can eat or if this is what I’m allergic to. That’s something I would really enjoy to have. Like, for people who have these allergies for myself to be, like, more conscious about food. (I: Hm.) I think stuff like that, that you can actually implement in something else already. That would be cool to have. And that’s what I enjoyed the most. Because you would actually benefit from it.

**I:** Okay. Cool.

**B3** And for me, it’s this idea that I can hardly take a picture to explain it. (I: Okay.) It’s- I do some yoga, and sometimes I turn myself into this position, and then the- in the video – and usually I always play a video on a laptop and then I follow the video – sometimes of course I heard text explaining what’s the next position – how should I move? –, but sometimes I do hope to check how the person in the video does that, so that I follow him or her. (I: That’s good!) But sometimes I have to turn my head in that position to check the video. Then I will lose my balance or somehow (I: Okay.) break the process, you know? And I think it would be great- For example, I was looking in this direction and the video- AR displays the video in this direction on a wall or maybe somehow properly. And when I change to another position – say, I’m looking to the ceiling –, then the video would be displayed there. So, it’s like a moving video, moving screen. (I: Hmhm.) That I can see that yoga every time.

**I:** Okay, so it’s just like this following video. Like they see your eye gaze or your head position.

**B3** Yeah.

**I:** Okay. So, how would you feel, like, having this?

**B3** I’d feel that’s very practical for me, I think. (laughs)

**B2:** I don’t think that’s … #00:07:16# Now we have, like, eye tracking and, like, multiple screens.

**I:** Yeah. Yeah, just like having twenty around you. (laughter)

**B2:** (?And) colour displays.

**B1:** Yeah, that would be really cool: to- (B3 Yes.) I also think that it would be, like, be easy, like it would make a lot of things very easy. You could even go to the toilet and continue watching Netflix or something. (laughter)

**B2:** Like that’s the dream. (B1: Yeah.) That’s the dream.

**B3** And-

**I:** Yeah, that’s what we all wanna do, yeah.

**B3** And if I may mention another idea. (I: Yeah, sure.) That’s also- I find this practical because I’m learning Spanish and I’m learning generally for- learning foreign languages.

**B2:** That’s actually very interesting because I think it would-

**B3** We (?usually) have this idea to put the – Zettel? Note, note-it?

**I:** Notes.

**B3** Okay, the note on, say, a object: “Okay, this is ‘What?’ in Spanish.” But I think that can be easy (B1: That’s cool.) integrated (B1?: Yeah.) in AR, showing: “Okay, this guy is what, what, what.” And I look at this-

**B2:** (?And you’re learn it), yeah, ‘cause you keep seeing it. Ah, that’s actually- That’s actually very interesting.

**B1:** That’s a cool idea.

**B2:** Yeah.

**B3** And this is the basic version. An advanced version can be some interactive games. So, it only shows a (?little) box from this … #00:08:30#, but it will ask me, “What’s that in Spanish?” (**I:** Hmhm.) and I’ll think about it. If I cannot answer that, then it shows me the real name, some … #00:08:39# (B3?: (?More like) gamification.) learning a foreign language.

**I:** Okay. Well, that’s super. Super nice.

**B3** This is … #00:08:43#

**I:** (?If) you have, like, objects in real life, (B3 Hmhm.) and when you get like, „What is this?“

**B2:** Yeah.

**I:** Okay. Okay, yeah, that’s super- super nice.

**B2:** I think, well, like what- the only- I have – and in all honesty, I didn’t try any AR experience – that I was blown away by … #00:00:03#, but yeah, this is, like, the future. Because (?if) I think- the main issue is that it needs to be in a way pervasive. So, like- So, for example, like what David said with- with like telling you, like, the weather outside and like telling you, like, when the bus will be there or something like that. It needs to know, it needs to have an understanding of your day-to-day routine, it needs to have an understanding of that. So, I think this is the main issue with that. But the only AR application that I saw that was interesting was with the tango.

**I:** The what?

**B2:** The tan- It’s like this techno- It’s a tablet (?and an application).

**I:** Ah, okay, yeah.

**B2:** And where you got to put, like, furniture in the house. Like you- It’s very similar. So, like you structure first the ground, I think, and then you start putting, like, furniture, and then seeing how your house would look like. And I think this is the only thing I saw that is in a way fun. Well, after that, that is-

**B1:** And that’s a really cool idea.

**B2:** Yeah, (?I guess it is.)

**B3** That’s very convenient.

**B2:** There’s also the – what’s it called? –, but I think this would be more military-wise. Is- Did you play Metal Gear?

**I:** No.

**B2:** Oh, so, in the game there is, like, this eye-patch. Where he wears and it tells him AR information about the battle field. It tells him the wind direction. It tells him, like, the bullet, if it’s travelling, oh I don’t know, or whatever. And, like, it tells him where, like, places where the ammunitions are, so: “This hostile has ammunition, if you want to take it.” Or. “This guy is too hostile.”Or- Yeah.

**I:** Yeah, that’s a good one, yeah. (B2: (laughs)) But this is definitely not like in the domestic area (B1: Yeah.) (laughs)

**B2:** Not like in the domestic area at all.

**I:** Yeah.

**B2:** I mean, you could use it. If your girlfriend is in the house, you’ll maybe shoot her. (laughs)

**B1:** That’s what said- That’s why I told you, well, the one picture I took about you both, like … #00:10:55# I was like, “Okay, he’s happy. Let’s maybe talk to this guy. He’s hungry. Let’s make him a doughnut or whatever.” (laughter)

**I:** Okay. So yeah, let’s talk about pictures, I think. (B2: Aha, yeah.) I just, like, have them here. (?I hope you can see them.) Probably one of you both.

**B2:** Yeah, I did that. (laughs) (I: So, can you-) I’m hot now. (laughs)

**I:** You’re hot, yeah.

**B2:** Yeah. So, this is- I have a problem when I, like, put like the pan to fry and have to, like, take it, like, water and, (I: Hm.) like, put it (I: Hm.) so I can see if it’s (I: Hot already.) working or not. Or, like, do the old-fashioned way. (?That’s just)… #00:11:28# it’s hot. (laughter) I’m joking, of course. But yeah. So, I would like something to tell me that it is relatively hot at the moment and it can cook. And also, another thing is that I still don’t have a feel on, like, the ranges. So: what is too hot for what I’m trying to cook, what is not too hot for what I’m trying to cook? So maybe- (laughs)

**B1:** Yeah, that would be a good idea. You could even integrate in, like, a recipe for example.

**B2:** Yeah.

**B1:** If your recipe would just like also (B2: Hot enough.) connected and you can see: okay, (B2: Cooked.) for this type of meal you need maybe this temperature. And also, that it tells you directly what you have to take out of the fridge and stuff like that. (**I:** Hmhm.) That’s what I, like- that’s, like, interesting.

**I:** Okay, so, wouldn’t there be, like, any interaction wall? Beside, like, all the (?events) like kind of a, like, information text-wise or in English. (B2: Ah, so-) Or do you would continue interacting with, like, the virtual information?

**B2:** I think, you’re not- it’s not really- I don’t think (?we will) interact with the virtual information. Maybe what I think of it is that, for example, this is like a status of the pan. So that if, for example, it says “I’m hot now’, so you put the food, and it say “cooking” and it like shows you something. So, the interactivity is not directly through- with the (**I:** Hm.) application, if it makes any sense.

**I:** … #00:12:45# just like switching from, like, “ready to cook” to “now cooking”?

**B2:** Yeah.

**I:** Okay. So just like sending. That you just put, like, the meat into the pan. Okay, I see. Next one. With the apples.

**B2:** Yeah. That’s me as well.

**I:** Okay. (B3 Ah …#00:13:03#) … #00:13:03# something … #00:13:05#

**B1:** Yeah.

**B2:** This is- Yeah, that was supposed to be like a timer. (**I:** Yeah. Yeah.) But I then- I’m not sure if that-

**I:** Yeah, it’s definitely a timer now. (laughter)

**B2:** So, yeah, that was supposed to be a timer. And it would te- Because I have trouble keeping track with the food that, like, goes bad or it doesn’t go bad. So, I’d like it if I had an application that told me.

**B1:** Yeah. I have a pretty similar one later on, which is like connected to food, but, like, maybe we can also, like, see it. No no, it was this one. This is kind of like for things you have in your bathroom. (**I:** Okay.) Or-

**I:** Oh, I think this one is-

**B1:** Maybe this one is

**B2:** No no, that’s me.

**B1:** No, that’s yours. So, this would also, like, kind of the same idea. So, this is how many uses you get out of, like, a- Then it could also be for a meal. For example, if you have a packet of, I don’t know, pasta or something like that. So you can actually- For me it’s pretty hard to track or keep track of things that you run out of. For example, if you have a shampoo and you’re like: “Oh, damn, I have to get a shampoo.” And then the next day it’s, like, a toothbrush and whatever. So, it keeps being- And if you have, like, a button, you can see how many uses you get out of a product, and then you can add them directly to your shopping bag, so you can see: “Oh, damn, okay, my shampoo- I’m running out of shampoo, so I’ll just add it to my shopping bag.” Then I have, like, a complete shopping bag when I go shopping. (**I:** Hm.) And then maybe even in the grocery store it tells me, “Okay, here, you should buy this, you should buy this.” Or it already has information from the grocery store. So that everything is kind of in that way connected that you don’t have to remember all of those things. So, here you can just, like- It’s maybe the same as the food. If you have, like, (B2: Yeah.) two apples that go bad, you know, “Okay, I have to eat them.” And if not, you just can- you can just add “Buy apples”, and it goes directly to your shopping bag.

**I:** Yes, it’s more like these location-based shopping reminder kind of, or…?

**B1:** Yeah, kind of like. Also, it’s the same. Like, if you want- Yeah, also when I go to the shower in the morning and I want to see, “Okay, do I have all of the things I need to look as good as I do?” (laughter) … #00:14:59# You have to know how many uses you get out of the things. And that’s like- Yeah. And sometimes you have to order it online. Then it takes more days to arrive and stuff, so it would be helpful to have, like, something. Or like an assistant, kind of, to keep track of that.

**B2:** … #00:15:13# kind of thing.

**B1:** Yeah. (laughs)

**I:** Yeah, and then like a direct link to Amazon. (B1: Yeah.) And delivery.

**B1:** Yeah, that’s the idea then. Then you can actually, like, order it or something like that. Yeah.

**I:** Okay. So, when- is this information then, like, always visible to you? Or how-

**B1:** No, it’s kind of just when you- For example, I know you’re looking at your basket and maybe that could even be like a little code or something which, when you look at it for, I don’t know, a second, then it activates the screen and you can see: “Okay, from this basket then I have all the information.” (?Then I) go to the fridge and you just open it, maybe look at it for two seconds or a little longer. (**I:** Okay.) Or maybe, like, stare at one point and then: “That was okay. Now I have to call (?off) the information.” And, yeah, that would be pretty helpful. Like for me personally.

**I:** Okay, so it’s more like you interact just like, “I’m staring at it because I want to know what’s going on here.”

**B1:** Yeah, kind of. Or maybe if you even like, a- I don’t know how it works normally. Like augmented reality. Maybe you have … #00:16:05#

**I:** It’s up to you. (B1: Okay.) It’s just like- we’re just like trying to (B1: Yeah.) get a sense of it, right?

**B1:** Yeah, that’s maybe- For example, if you have like a red dot everywhere you can actually, like, obtain information. And if you look at that point for, like, one second or, like, longer, then just like looking over it, then it activates the screen and it gives you the detailed information.

**I:** Okay. Hmhm, cool.

**B1:** Yeah. And maybe even if you want to look at this part directly, for example you stare at this one or you, I don’t know, click something and then it pops up even more information. For example, which products combined would give you the best hair results or whatever. Like in this scenario. … #00:16:38# food and, I don’t know, which goes together pretty well that you have, like, amazing taste and-

**I:** How would you feel if you have, like, this kind of technology around you?

**B1:** Amazing! It would save me a lot of time. Because I’m stressed out about the stuff a lot. Like, honestly, it takes me- it freaks me out. Because I always have to- (? I don’t) know, this thing takes two hours- two days to arrive, this thing I can only buy in Barcelona or whatever. So, you have really to- you have to be, like, so keep track of all of those things. (Vehicle siren in background). … #00:17:03-06# I don’t know if any- other people have the same problems, but… (B2: (laughs))

**B3** I like this idea, too.

**I:** You are never alone with your problems, definitely not.

**B1:** Yeah.

**I:**? Sorry, you-

**B3** Yeah, I just want to say I like the idea to add it into the shopping list.

**B1:** Yeah.

**I:** Do you have any similar issues (?therewith)?… #00:17:21#

**B3** Similar issues: no. But that reminds me of one idea you just mentioned: that we open the fridge and we only have some ingredients left.

**B2:** … #00:17:30#

**B3** And-

**B2:** That’s what I- (laughs)

**B3** Ah, yah.

**B2:** What is missing from the fridge? Eggs, milk and cheese. And then, like, tells you-

**B3** It’s like what you need to buy.

**B1:** Yeah.

**B2:** That’s what’s missing and that’s what you- what you try to get- But yeah, unfortunately this one will have to be checked, so you-

**B3** Yeah. Yeah. And also open the fridge, and there are some … #00:17:52# combination of the ingredients that you’ve no idea how you (B1?: Can combine it. Yeah.) (B2: (laughs)) can deal with this. How you combine them. Like you say-

**B1:** Yeah. There are even some apps who do that, but you have to put them in manually. And that can only- (?or they) tell you, like, directly. Okay, you can maybe- maybe even by connecting them with stripes. You know, you have, like, the cheese connected to the- I don’t know. I’ve never cooked in my life. (laughter) So, like the cheese connected – yeah – to the pasta, and the pesto to the pasta. So, like, “Okay, I can do those two.” Like me … #00:18:19# I know. Yeah, that’s a good idea. And that could even, like, be combined to, like, the day (?and) time at the moment, So, for example, if it’s a morning: that it shows you the connection between milk and cereals. (B3 Muesli.) Yeah, muesli. And then even it may be pasta. And, yeah, that’s the only thing I eat, so I have no other examples. (B2: (laughs))

**I:** So, who took that picture? Was it you?

**B2:** Yeah.

**I:** So, what was the situation you came up with?

**B2:** Sorry?

**I:** Or when was the situation when you came up (B1: Ah!) with this-

**B2:** I didn’t have eggs or milk or cheese. (laughter) That’s the actual situation.

**I:** So you couldn’t do-

**B2:** I couldn’t have breakfast.

**I:** -fried eggs with cheese.

**B2:** And milk. (laughs) No, I-

**I:** Oh yeah.

**B2:** (laughs)

**I:** … #00:19:01#

**B2:** Yeah, I- Technically, I couldn’t, like, have breakfast, and I was thinking, “Oh, I want something to remind me to get those.” So, I took the picture and then I put the to-do list on my phone, so I wouldn’t forget to get them. And I managed to go out again.

**I:** Okay. So it would-

**B2:** But it would be interesting that for example it would go to, like, my own list and updates my own list.

**I:** Yeah. So how would you add, like, items? So, you have, like, this kind of shopping list on the fridge. (B2: Hmhm.) How would you add items to this list?

**B2:** Uhm, I don’t know, maybe you can add by typing. Or maybe-

**B1:** Or drag and drop as well. Maybe you have a little bag who’s sitting down there, and you can just drop it with your fingers. You know, you tap on the cheese and then you just swipe it down.

**I:** There is no cheese.

**B2:** No, there was-

**B1:** Oh yeah, yeah! Oh, sorry! No, I was thinking about this idea of running out of it. So, I’m sorry. And then it makes the-

**B2:** So, like, what I was thinking of this is something maybe more like that understands what you want. So, I have, like, this list of things that I usually get. (I?: Hm hm hm.) And I check and uncheck. (I: Yeah, yeah, (?this one).) So, for example, like I check cheese, and when cheese is not there I uncheck cheese. (I: Okay.) It’d be interesting if it would up-, like, update this with me. (I: So-) And also update this as well. Like, when I put things in the fridge, it would check them, that they are there, and uncheck them. And if I want something, you know, I’d write it. And then…

**I:** So, where you have this app, it works for you, I guess.

**B2:** Wonderous. Ah, it works for- Like, I usually use it for, like, tasks for programming, (**I:** Hm.) but

**I:** So, (B2: All sorts of-) compared to an like an phone application, how is this more beneficial to you?

**B2:** Well, because it’s always in front of me. It would remind me: “Oh, you need eggs. Oh, you need milk. Oh, you need cheese.”

**I:** Okay, so it’d be-

**B2:** It would be also interesting, like for example, if it’s like a progress thing that would show, for example, like two bars for the eggs, one bar that would be-

**B1:** Like this one, you mean?

**B2:** OHHH! (claps, laughs) So, yeah, like this. Like this one. Ah, it’s a shopping list.

**B1:** … #00:21:07-10# (?visualise it.)

**B2:** Ah yeah, like the percentage. So basically, like the percentage. One that says how many are left and one that says how many till they spoil.

**I:** Hmhm.

**B1:** Hmhm. (B2: Ahh-) Yeah, maybe if I can add to that an idea of me. It was also connected to this, but it could also be implemented in, like, groceries. If- Is, for example, that automatically also connects, yeah, like your fridge or your shopping list to, like, the dealer or the grocery store. So- Because I hate it to go, like, to go somewhere and they’re running out of things. So, to have this interconnectivity between the store and your own fridge would be also cool. Or even to send them a reminder that “I need this”, and then, uhm yeah, depending on how many people send them a request for milk or whatever, they can already restock their, (I: Hm.) I don’t know, like warehouses or whatever. (**I:** Yeah yeah.) I don’t know if this is under the category of augmented reality. It’s a little bit-

**I:** … #00:21:59# It's more like IT (B1: Yeah yeah.) and having (B2: Yeah.) a smart environment. And the question is there, like, if it’s, like, displayed somewhere (?where nothing is) … #00:22:08-09# this virtual information like the amount of eggs which are left. (B1?: Yeah.) That is definitely AR.

**B1:** I think for me also the time is very like a factor here. Because I don’t like- in the morning I don’t have them time to, like, take up my phone and check all those things. I’m really in a rush and then I just want to, like, have it automated. Just by looking at it I know: “Okay, I have to buy this and that” or whatever. So, I think, like, the time component here is, like, very important.

**I:** So, it has to be quick, kind of. (B1: Yeah.) Or automated.

**B1:** Yeah. That’s it.

**I:** Ah okay, yeah, really a nice on.

**B1:** I put a lot of effort into it. (laughs) (?Ah yah), that was also mine. (I: Okay.) So, that’s not only, like, restricted to a Wi-Fi connection. It’s also, like, I know that to, for example, in like my mother was very concerned about for example bad vibes from, I don’t know, like those phone or TV things. So, if you want to have, like, a perfect Wi-Fi connection, and it actually shows you maybe like, kind of like- You just look at the roller and it automatically shows you: Okay, where is the best Wi-Fi connection, so I can just go there? Or it shows you where is more dangerous to get, like, cancer from whatever, vibes, you know? So, I think this would be kind of helpful to have, like, the things, the non-visual things that actually play a role in your life have visualised kind of. And that’s what I think would be very helpful here. So, if you don’t know where the best Wi-Fi connection is, instead of walking around with your phone like an idiot like from each corner to another just like see: “Okay, where should go to get the connection?” Or even implement another router as well. Yeah.

**I:** (? I see) you mentioned the phone again, so… How does it differ, or how- where is the benefit? Like-

**B1:** Because you automatically see it. You don’t have to pull out your phone and go to an app and stuff. And also, it’s also never, like, implementing. (?You’re) like- When I walk out of my room, I want to have this, I don’t know, world of Wi-Fi hills or whatever. It shows me directly where I have to go to. And not pick up my phone, start an application and be like, “Okay, maybe it’s here and there.” And then it also needs to implement other things to visualise it? (I: Okay.) And- Yeah, like this you can actually see it directly.

**I:** … #00:24:18# like direct visualisation of information.

**B1:** Yeah, also better visualisation, because with your phone you can just, like, do this and to see through your phone. With AR you could actually see the whole room, the whole time where the Wi-Fi is. And then walk in it. (I: Yeah.) And that’s just a visualisation like normally. I was imagining something like, you know, like … #00:24:41#

(participants talking simultaneously) … #00:24:41-46#

**B2:** The green and yellow. Right, yeah.

**I:** It’s coloured hills for Wi-Fi strength.

**B1:** That’s it.

**I:** Okay.

**B2:** (?I have it, too.) So, this is when I want to know who’s in the house and who’s not. It would tell me, for example, if someone goes out of the house or would, like, say that he’s not here. “He’s not here. Not here. Not here.” You know? And that guy’s in the kitchen.

**I:** Okay.

**B1:** That is also called the … #00:25:13# indicator. (B1: (?Stalking) (laughs)) If you wanna, like, jerk yourself.

**B2:** (laughs)

**B1:** I’m gonna check who’s here, who’s gonna see and listen to my … #00:25:22#

**B2:** … #00:25:22-23#(laughs)

**B1:** Sorry, … #00:25:25# (?”Yeah, I get it.”)

**B3** It’s okay.

**B1:** She’s like: „Yeah, I’m doing it as well.“ (B2: (laughs))

**I:** So, the benefit is in those: you don’t have to lock doors or… When is the situation you’d want to know this information?

**B2:** Uhm, I don’t know.

**B1:** All the time kind of like. Because if you want to play loud music (B2: Ah yeah, maybe loud music.) and- Or if I, like, I said, if I want to have, like, private time with, like a girlfriend or boyfriend, then it’s like maybe not as good if someone’s next door. I don’t know.

**I:** Kisses. Privacy or just doing stuff which you don’t want to do if someone is around.

**B1:** Yeah, or in an emergency situation, you could even see, like, okay, “Someone’s here. Should I save my energy to scream?” Like, is it beneficial to scream? (B2: (laughs)) Or should maybe just focus on my bleeding and not do anything which, like, yeah, takes effort. Yeah, maybe that could even be (?implemented) like an SOS button. Whenever AR kind of like feels your heart rate rising or whatever to have like- You know, because if you have an emergency button on a wall, you have to, I don’t know – how do you say that? – like (?krabbel) to it. And if you just have like an SOS button somewhere, where you could, like- it’s all the time next to you, that would be very beneficial.

**I:** How would you press the SOS button?

**B1:** Stare at it. (B2: (laughs)) … #00:26:48#) ?“I’m in pain!” (B3 (laughs)) No, maybe I could also- I don’t know. I’ve no idea. It’s maybe just like blinking three times is always like doing a mechanism which activates-

**B2:** My- But I think- I think when you’re, like, in pain or in trouble, (B1: Yeah.) you wouldn’t be, like, focused to blink. What if you had a seizure? I- Like- For ex- I think, like, a good idea is that, for example, if you fall, so it would, like, the headset would notice the fall, (B1: … #00:27:17#) that it is someone falling.

**B1:** You could do this with your phone, actually. You don’t need it. You don’t really need AR. That’s what I mean like by an SOS button. I would love it. … #00:27:26# like a big fat red button. (B2: (laughs))

**I:** (?If it was) easy to- or you touch it or push it with your-

**B1:** Yeah, or push it. Like, I wouldn’t put it, like it’s AR. … #00:27:34# I would like-

**I:** You would like a virtual venue, (B1: Yeah.) but also would do like a gesture kind of thing.

**B1:** Yeah, that’s it. Because in most of the situations-

**I:** Like reaching out for it.

**B1:** Yeah.

**I:** Okay.

**B1:** So that it actually- And then maybe it activates a call or whatever.

**B3** … #00:27:47#

**B1:** But it’s just something I came up with now, so it’s like a-

**I:** No, it’s totally fine. It’s totally fine.

**B1:** So, I think that was mine, I think.

**I:** (?Yeah, I think we just, like,) briefly discussed this before.

**B1:** Oh no, that’s like my girlfriend. She has a peanut allergy, and that would be helpful for her to see where peanuts are included. And I think that’s- Yeah, only if you can see it, then it automatically maybe checks the QR code or whatever and it tells you “Yeah, here are peanuts included” and just puts, like, a exclamation sign next to it.

**I:** How is it working at the moment for her?

B: Uhm, she has to ask all the time, has to look at the ingredients. And, yeah, it could also save her, like, in danger and also save her time to, like, do all this effort. Also in, like- Maybe it could even work for cooked food. And it maybe just scans it and tells you: “Yeah…”

**I:** How could you imagine, like, how is it visualised?

**B1:** Hm. Just like a red exclamation mark.

**I:** Next to the product?

**B1:** Yeah. Or at the pro- Or the product is like coloured in red, for example. So she knows, “Okay, no…”

**I:** Don’t touch that!

**B1:** Yeah. „Keep your hands off that!“

**I:** And this was how- It’s, like, beneficial for her. Or what is the … #00:28:53#

**B1:** Yeah, it’s- For her it would be very beneficial because sometimes she even reads over certain things. For example, if it says “can contain peanuts” or whatever. And also for me, like, a person that doesn’t really know something about like- This is very special for the person themselves, but I also have some allergies. And sometimes it could maybe tell me, “Yeah, this person smells like a dog. Better don’t get too close to him.” Because I’m allergic to dogs or whatever. Like, just like allergies in general or things that could be dangerous to you. For example, also people that have like a Herzschrittmacher. I don’t know how to say this. Like a heart-

**I:** Heart rate-? No. Or a heart rate monitor or what like they-

**B1:** Yeah, things that- keeps your heart beating.

**B2:** A pacemaker.

**I:** A PM, yeah. (B2: A pacemaker) Yeah, yeah yeah yeah.

**B1:** Maybe they can, like, have red-painted magnets, for example, because they can be dangerous. They hurt- I have no idea, but, like that’s- that could help. Just like things that could be dangerous for your person, like personalised, that they are coloured in red so you’d actually know: Okay, don’t touch it! And that could even be a thing that’s constantly there. So, walking through a grocery store, seeing all the things that contain peanuts, walking through a street, a street scene, seeing all the things that are, like, dangerous. Magnets, for a person with a pacemaker. That’s maybe something that could actually save lives.

**I:** So, it’s like, more like a personal indicator (B2: Yeah.) to my- to the threats which, like, belongs to me.

**B1:** Yeah, that’s it.

**I:** Okay. That’s very nice. … #00:30:18# definitely. (B1: Hm.) Definitely an AR application.

**B1:** That’s also mine. (laughs) (I: (?Okay.) … #00:30:26-28# No, that’s kind of like also in the morning, when I’m in a rush, I want to see which bus I can take, when it comes, how many minutes are left, for example, where I have to go, where the elevator is. So, this is basically something that your phone could also tell you, but just when you’re in a rush. And that’s actually focused on, like, the time factor. So, I don’t want to, like, take up my phone. This is just something- I want to look at the wall really quick and see. Or not even at the wall; just anywhere. And when, yeah, maybe the glasses or whatever notice that I’m in a rush that they just display it, some things. Or they even do like a countdown, which, like, if they, like, count down on the wall, it’s just like: “Three minutes until you have to get the elevator, so that you make it to the train” for example. It’s all connected to the current traffic situation, so you know, “Okay, maybe the train is two minutes late, so I have enough time.” Yeah, just in general.

**I:** And this like general like in the morning always when you’re really in hurry. (B1: Yeah.) So you get just, like, get all the information you need for the day, (B1: That’s it.) right now.

**B1:** Or maybe it could even be connected to, like, your schedule, and you know, “Okay, I have this certain appointment where I have to go to.” And in order to be there on time or be there safe, whatever, there is like the things or the steps you have to take. So: “Take this train at this time when the elevator is there and there.” Yeah.

**I:** Okay.

**B1:** (laughs) (?They’re) also mine-

**I:** A lot of effort went into this picture here.

**B1:** Yeah. So, this is kind of like: I think that would be very helpful also at parties, especially – that’s why I put the last thing- It’s not that they’re drunk during the day. It’s just like at parties sometimes (?there) can even be, like, dangers. Or helpful for barkeepers, for example, to- And this is what I mean where AR could be very like something completely new. In order to be able to have, like, track emotions, for example, just by scanning the face. Because you have maybe integrated a – or you have to have like a camera, for example – and it can scan the facial expressions and stuff, and then kind of figures out the percentage, how happy someone is, and maybe track their blood ingredients, whatever, and see if someone’s drunk or healthy or whatever. And see if someone’s snoring. If- Yeah, things like that. And then you can even get the information on the person. Of course, this is kind of like very bound to legal problems, because you have to check, like, if the person really wants that. I mean if you go through the streets and you see someone: “Oh, he is 100% drunk.” That wouldn’t be, like, that good. But having that, I think it would be very helpful sometimes. Also for, like, family-wise and, like, “We’re living here. Maybe don’t talk to our son because he’s angry right now.” Stuff like that.

**I:** That’s more like (B2: … #00:33:04#) on a meta-level.

**B1:** Yeah, that’s it.

**I:** Okay.

B3?: (?You cannot put this thing.)… #00:33:08-09#

**I:** I have not-

**B2:** (?The pushcart?) … #00:33:10# No, it was him, probably, the pushcart. It wasn’t me. I see your mood is really angry.

**B1:** And you’re very drunk. (laughs)

**B2:** And you’re very drunk. And you have, (B1: … #00:33:20#) like, a knife next to you. Yeah, that’s the-

**B1:** She’s almost … #00:33:24# (laughs)

**B3** A mug.

**I:** So-

**B3** (?Pardon?)

**B2:** What? What what?

**B3** … #00:33:30-31#

**B2:** Ah, … #00:33:32#

**B3** Okay.

**I:** So, you haven’t taken any pictures that- But do you have, like, the list? Or do you want to, (**B3** Yah.) like, talk about, like, your favourite examples next to the yoga thing we talked about?

**B3** Yah, I still have some ideas that I would like to mention.

**I:** Yeah, that’s right.

**B3** Ah! About the cooking.

**I:** Like the first one.

**B3** First one, we had a detector of a heat. And my- Sometimes I have this problem: I want to bake something. And actually, I’ve no idea how to bake. (laughter) Because the amount of butter or some ingredients are always so exact, and I don’t have some volume measure. I only have some random bowl or plate or- Since AR can measure distance and then area, I guess, maybe it can-

**B2:** Measure volume.

**B3** Volume. And it can maybe analyse what kind of ingredients I’m using, and then- For example, I need 200 ml Milk. – I have a big bowl. – And then AR would analyse it and then will show some-

**I:** Make an indicator or-

**B3** Yeah, (**I:** Okay.) indicators. Then I will just try not to move and add the milk in so that- so it’s 200 ml. If it comes to flour, for example, I need 500 g flour. Well, just add some, so much, and then-

**B1:** And so- So many spoons for example, yeah. (B3 Yeah.) Maybe you can even say, like, one spoon is that amount of grams or whatever, and then-

**B2:** As I said: (B3 Yeah.) this is actually very important as well regarding the ingredients part. Because the grams change depending on the- (**I:** Density. Yeah.) on the- What’s it called?

**I:** I think it’s the density on the thing you use.

**B2:** Ah, no, the change – what’s it called? I’m talking actually about the (B3 Do you mean-) servings. The number of servings. So, for example, (I?: Ah!) if you say, like, two people- (I?: Ah! Oh!) (B1: Ah!) So, I’m not talking about how it’s gonna notice that, but for example, it should tell me, like, “Alright. Now it’s serving two people. Right now it’s serving one people.” And I have this problem with rice, especially. (I: Hm.) ‘Cause rice you put very little. And then suddenly you have, like, an entire huge bowl (laughs) of rice, (I: Of rice.) and you don’t know what to do with it. So- And sometimes you’re: “Oh, this is too little rice. Maybe I should add more.” And then … #00:36:03# interacting, you have, like, some … #00:36:04# Yeah, like I did. (laughs) This one time.

**I:** It’s more like having like a built-in scale which semi-visualises (B2: Exactly.) in the bowl with an indicator how much you need.

**B3** Yeah. So that we can have just one bowl, and we measure whatever.

**I:** How would it benefit or how is it beneficial for you compared to a regular scale?

**B3** Because for me, I’m just a student, I don’t have a proper house or something, I don’t- I just live here for several years. I don’t plan to buy all the stuff for- and put it in my kitchen. I’ve got- I don’t want to cook in this kitchen for a whole life. So, I want to save money. I don’t want to buy this special tool or this special tool. I just want some special thing that (?passt) to every function. (laughs)

**B1:** Just want AR glasses for 20.000 (laughter) … #00:36:45-47#

B2?: … #00:36:45-47#

**I:** Okay, so, just like trying to live with, like, digitalising stuff, like saving, (B3 Yeah.) like, special tools.

**B3** Yeah.

**I:** Okay. So, what’s basically to do with your phone. …#00:36:57# It’s like a camera, it’s a music player and it’s the internet. (B3 Yeah.) And before we had, like, three, whereas now have one. Okay. I see.

**B3** Yeah. And another idea that I would like to mention is that it would be great that when AR can- Say, I just- I wrote down an equation, a long equation with- full of numbers, and I just stare at it, and then AR would tell me the answer. (laughs) I don’t have to type in a calculator. “Hm hm, okay, now...”

**I:** That’s just like adding information directly onto the paper (?note).

**B3** Just calculate the equation and come up with the result.

**I:** Yeah, where is the result then?

**B3** Where is the result?

**I:** Yeah.

**B3** On the paper maybe? (laughs)

**I:** So, it’s on the paper then. (B3 Yeah yeah yeah.) Okay. …#00:37:39-41# like the equation next to it thing. (B3 Yeah.) Directly stick to the paper. (B3 Yeah.) Ah, I see, okay. Yeah, that’s nice. … #00:37:48#

**B1:** Maybe even do it like with special effects. For example, if you have the equation you like (makes whoosh sound), and then there is like the- You know? So that you- That’s how you can activate it kind of thing.

**I:** I guess it’s just like having, like, (?a gesture thing.)

**B1:** Yeah. I have no clue about that. Yeah. And then you can just open it with your gestures. That’s-

**B3** Yeah.

**B2:** I think also, like, AR glasses in the house would work really good when you want (?actually) to control basically- I don’t want to say control your house, but when you want to know information about- basically while you’re in the hou- inside the house. So, it would control the, I don’t know, like- I don’t how (?it works), but for example if you have like a smart home or like a home that has the devices connected with each other. IoT. This will work like a good command station.

**B1:** Yeah, that’s a- as a command station. For example, like for the… Blinders? Yeah, blinders. If you just like look at them and swipe down, and then it would automatically, without having like a remote, like you said, you know? You know, you don’t have a command station where you have to, like, grab it or look for it or keep track of it. You just like do the swipe or you snip and the lights turn out. And the way it actually knows that this is meant is by looking at it. And that would be very helpful, I think.

**I:** Yeah. So you’d- There’s- But there’s basically no visualisation of the remote. It’s just like looking at the appliance.

**B1:** Yeah, kind of. Or it could even be a visualisation.

**B2:** No, no, there (?is) some visualisation.

**B1:** Yeah, but then, for example, I’ll look at the ceiling and it knows: Okay, there’s two things I can do at the ceiling. It’s maybe turn off the light. And there’s like one button for that. And then there’s, I don’t know, … #00:39:26# or whatever they (?do).

**B2:** There could be like visualisations that you can put for yourself. For example, if you- if you wanna, like, stay here, I don’t know, stay in the kitchen, but it’s dark and you’d like to see the sun. Maybe you could just like render some different like scene on the window for you. But this is not really helpful, it’s just- It could be helpful for your mood, yeah.

**I:** Okay, so it’s like changing the environment of the room.

**B2:** Yeah, changing the environment. There are a lot of things like I- Especially if we’re gonna talk that, it’s gonna be – ah, what’s it called? – Like a lot of people interacting with each other in the same house. I mean, some people could even leave notes for each other like in the rooms. For example, I leave a note for (?Shelmi) that is there, and she only can see it when she is passing by.

**I:** That’s really good.

**B2:** Yeah, and David cannot see it.

**B1:** If it is a dig. (laughter) …#00:40:19#

**I:** So, it’s like one-on-one relationship, information sharing.

**B2:** It could be like information sharing. It could be like- And also could be not (?an accessory) like- For example, Wi-Fi passwords, something like that, that only us can see. And, for example, if I make a change. Like daily, because like whatever, we’re afraid of security or whatever. So only us can see like, “Oh, so this is the password.” (I: Hmhm.) Other people cannot see it. It would also be interesting, for example, if you want to do something decorative, that you decorate like this wall. There’s nothing really. So, we can decorate something.

**B1:** It’s good for a party. (B2: Yeah.) You can just turn like red. And then everyone at the party or everyone who’s invited can see it. (B2: Yeah.) That would be cool … #00:41:08-09#(laughter) What the fuck (?is going on in the kitchen)? He was like: “Yeah, that’s so cool!” – “Okay.”

**I:** (?”I’m so sorry.”) Okay, this is really a nice project. Having kind of (?visual) tokens in your household.

**B1:** That’s really a good idea. (?Let’s a little party, like)

**B2:** … #00:41:24# party all night. They are. They’d say, “Here’s your glasses. Here’s your glasses.” … #00:41:28#

**B1:** You’re invited … #00:41:29#

**B2:** And don’t get too drunk. (laughs) (B3 (laughs))

**B1:** (?They) would tell us. They won’t get too drunk. He knows that. (laughter)

**B3** And I would like to add something to that. I once came to this idea that we also each one with (?half of) AR can have different themes in the room. Say I want … #00:41:49# I would like a change to my room. (?The walls goes up) in that theme. And your maybe your- (B2: Yeah. … #00:41:57-58#) I’ll paint it for you. And I’ll take Egyptian. (B2: (laughs)) All Egyptian, and it would, say, a pyramid or something like that.

**B1:** Isn’t that like virtual reality? Or this still augmented reality?

**B2:** Oh, you like the augmented-

**I:** Since we’re still in this room, like in your room, it’s still AR.

**B2:** It would be interesting, like for example, if I’m on my laptop and then there’s like two pyramids on my desk with some camels walking by.

**B3** (laughs) That is good!

**B2:** Instead of like, you know, like these-

**B1:** The … #00:42:23# It’s kind of like- No, it’s a- (B2: Like the walls.) Like it’s a- Like- What is the actual difference then between virtual and augmented? What exactly- Like for your virtual-

**I:** They have no link to reality, like to real reality anymore.

**B2:** So, it’d be- in virtual basically you’re wearing glasses that do not show you anything (B1: Okay.) (?They just show you)… #00:42:38#

**I:** Okay. If everything is virtual around you. (B1: Alright. Alright.) Like you’re basically having the feeling of being somewhere else.

**B1:** Okay.

**I:** But there you’re still sitting in front of your notebook, but have it like this. (B2?: Yeah.) Virtual tokens next to you. How would you feel having this kind of like- all of you, how would you feel like having the opportunity to change the ambient rooms?

**B2:** It’s honestly scary.

**B1:** No, that would be amazing. I’d love to do that. It’s just like a jungle … #00:43:03# Or would they- And then be like “Oh no, I want to go to the beach”, and you have, like, naked women and bikinis like coconut bikinis. It’s like cool. And then maybe (?Shelmi) walking by with this sports bra, and that’s like actually a coconut bikini in my eyes. That’s like amazing! (B2: (laughs)) No really, I would love to have that! (B3 (laughs)) When you go to the kitchen, everything’s like kind of sand. Even though you can feel it, it looks like sand and you’re automatically in a better vibe. Or you look outside a window and it’s just, like, sunny. And actually, it’s kind of, like, shit weather. Like, I would love to have that.

**I:** How would you feel?

**B3** I would think it’s fun. I always want to paint my- paint the walls in my room to some crazy colour pink. This one’s green, that one’s black. But I never got this chance. I rent the room from landlords; I cannot do this. (I: I see.) It would be good if I can just “cling”, and AR changed that. And, say, I found … #00:43:54# phone pretty interesting and I want to change the theme of my room or somehow to … #00:44:01-03#I can frequently change that.

**I:** Why would you be scared?

**B2:** It’s not scared, it’s just uhm, yeah, it’s I feel it’s gonna make people not really connected with reality itself.

**B1:** For sure! (laughs)

**B2:** Yeah.

**B3** Yeah! (laughs)

**B2:** It’s always like, I don’t know, I mean, I work in this field and I enjoy it, but I mean, when you watch things like Blackmirror, (laughs) whatnot, (Blackmirror?) you start questioning, like, the morality behind these things. Not really morality, but: “Is it really good for people (**I:** Hm.) to have, like, this information?” And in a sense, like for example, it’s something like- – I’m not sure how to say that – It’s not the same, but, for example, Google assists me with a lot of things regarding- Like, it tells me, like – what’s it called? –, traffic information regarding my home and my work. Back in Egypt it tells me all this information. And leaving the house, so I could, like, catch a flight, doing one- this and that and this and that. Did I- Running. So, basically, it controls my life. And didn’t enjoy that. I don’t like that. I don’t like that myself almost controlling my life. So, I think this will control kind of your- also called your perception of things. You could be upset, but, hey, you don’t want to talk about it, so you colour everything around you and- (**I:** Hm.) I don’t know. I’m not sure. I don’t know honestly. I think we- But, for example, if we’re gonna use it for – what’s it called? – work-related stuff, something that will make you more productive, then definitely I’d be excited for that. I’d be excited to see what it would hold. However, if it’s something to change, like the perception itself, for example changing it to sand, anything, this is really- I don’t know. I don’t know.

**I:** Yeah. … #00:46:01# Yeah.

**B2:** And this stuff-

**B1:** No, sorry, I just wanted to add: Like, I have also two things which are kind of like connected to that, which I couldn’t drop but I thought about. And both are linked to also features of your phone. Like, one is Siri. Because I’m using Siri constantly. Like, to ask which- “Where are the-“ For example, at the shower I may even scream: “Set the timer for five minutes.” I swear, like I’m in the shower and screaming like. In the morning I’m afraid that you might hear me when I’m like: “Siri, like (?how much)?” I swear to God, I’m constantly using Siri. And to have them both connected, like for example, just being somewhere and ask, okay: “What is that?” And then actually those are connected. So, you see something, Siri scans your vision kind of like, or I’m looking at you and I’m like: “Who’s that?” And so, Siri tells me, “Oh, that’s blablabla” and it gives me information. Or even, like, shows me. But like with your- with the voice recognition. To have them both, the voice recognition and like the- your vision connected, that would be pretty interesting. So, for example-

**B2:** (?No, for the-) For the people it would be very interesting.

**B1:** Yeah, and also (B3 Yeah!) for things. Like, you could ask, “What is that?” and without, like, typing or swishing or whatever. Or just like- Yeah, just having this connection, it’s like- For me it would be very helpful. And just the (?earthing) would be just simple like you’d take screenshots of your visions. (B2: Or-) Like, not only pictures, but like screenshots (I: Hmhm.) of where you’re at. Like just your 360°, for example. (B2: Wo- wo-)

**I:** A snatch of your life.

**B2:** Yeah. (B1: Yeah.) What’s around you. What actually worries me slightly is that I generally think that once AR hits, like the households, it’s gonna be ads everywhere in your house. (I?: (moans)) Yeah. Like you have an application right there. Then there is something and then you have an ad for another thing. (B1?: Oh yeah!) Unless you-

**B3** That’d be boring.

**B1:** That’s annoying. You have to, like, swipe the whole time. You’d, “Go away!”

**B2:** It’s just like “Skip video”. Yeah. (laughs) (B1?: Oh, I guess.) So, I think this actually will be the case.

**I:** Yeah, could happen, definitely. So, I think (?you’re having it) briefly, like, people getting access to this kind of technology. What do you think? Should, like, everybody have it? Like, wear it constantly and have access to the technology.

**B2:** I think everyone should definitely have access to the technology. And everyone should have it. And also, that there are- Like, there are a lot of benefits towards- I’m saying that I think the technology is – it’s like a double-edged weapon. So, it’s good if you’re gonna use for some sort of educational purpose. So, for example, if you’re with children and you want to teach them about some chemical reaction, it’s very- For example, this chemical reaction is very dangerous, and you want to teach them about it using AR as a safe environment, and they will not be hurt and they are gonna learn from the entire, like, experience. And maybe they could interact as well. Also with surgeons. Like, they have to, like, get, like, donations from, like, people that donate their bodies for scientific purposes. And they get to, like, cut them open or whatnot.

**B1:** Oh, that’s really a perfect screen. Where you should cut, for example, for surgeons.

**B2:** No no no, not on the actual thing, but maybe you can cut a virtual-

**B1:** Yeah, I know, I know, but like that would also be an interesting thing. (B2: Yeah.) You don’t just see, like, where you should cut without, like, hitting, like, the main Ader, the main, like, artery with your blood and stuff. That’s also good, like, yeah, to have, like- Or even to massage. You can know, like, where to massage a person. Like, if you’re (B2: (laughs)) with your girlfriend, boyfriend, whatever, (B2: Yeah.) and you want to massage them, and you know “I should pressure here” the pressure points. (B2: (laughs)) No, I swear … #00:49:27-32# (B1 and B2 talking simultaneously)

**I:** But would it be appropriate, like, to wear it?

**B2:** Ah, that’s interesting.

**B1:** During massage type?

**I:** In general.

**B2:** No, in general- In general, I think, I think, because maybe- Maybe (?Shelmi) does not want you to (B1. No.) see coconut bikini. Yeah? (laughs)

**B1:** No, that’s true. Like I think that’s like bound to legal restrictions. Also, there should be clear regulations concerning, for example, examina- like exams at university and stuff like that. Like, it should be, like, there HAVE to be regulations before all of this AR is implemented in our lives.

**B2:** I think it would-

**B1:** Otherwise we won’t be able to stop, like you said, like the … #00:50:04# and stuff. … #00:50:05#

**B2:** I think it’s gonna have another, like, social, like, aspects. Like, for example, for talking and then suddenly I go… (gesture, picking up phone) (B3 (laughs)) and then we continue talking, which is very similar to picking up my phone and like talking to you. I’m just typing away. (B3 Hm.)

**B1:** I would for sure project my WhatsApp combination or your face and be like: “Aha? (B2: (laughs) Yeah.) Okay. Yeah, (?son.) Hmhm. Yeah, you’re talking. Okay. Yeah.” (B3 (laughs)) – “Really?”

**B2:** So, I think people may think it’s rude. If have, like, the headset on, it would be very similar to having, like, your phone between-

**I:** Yeah, how would you guys feel like? Just imagine, like.

**B1:** Well, I- I honestly wouldn’t have that big of a problem with it. I think, like, I can’t … #00:50:46# how it’s gonna be, but I think, like, I’m fine with that. As long as it doesn’t, like- No, it’s not even that people are rude. Like, if you want to do this, it’s your thing. Like, I would- Like, if I’m in a conversation with someone, I would much rather see, like, a message from my mum saying “Good night! XX” than just like having to pick up my phone while talking to this person. So, this like just kind of more easier, faster and maybe even better to interact instead of, like, taking your phone. Sometimes. And then, as you said, there are situations in which it could be like a deficit kind of tool.

**B2:** But then again, with identifications it could be very intrusive at some point. So-

**B1:** Yeah, for sure, if you’re like-

**B2:** Like, if you’re in the middle of something-

**B1:** Who’s getting … #00:51:25# You’d better like them on Facebook

**B2:** -and you’re really focused.

**B1:** Like on Instagram.

**B2:** Yeah. And trying to focus, for example, to do, like to do work or something and you leave your phone …#00:51:32-33# get these- (B1: Yeah) (?They leave all) these notifications.

**B1:** And also, it should be like equal, as you said, for different people. Like, (B2: Yeah.) you can, like, expect from, yeah, people to know certain things. Or you go to a museum and have, like, AR and see all the information without having to BUY a guide, for example. (B2?: Hmhm.) And then others, who don’t have AR, they have to buy things to listen to that.

**B2:** I actually worked on a project for tourism (B1: Yeah.) in Egypt.

**B1:** Yeah, that would be also- (B2: But that is-) For tourism you can just see a statue, and it gives you all the information and shows you stuff. But like- And then, it should be equal for everyone. Not like some have to pay and some have the AR like the glasses.

**B2:** I mean, if you have 3,000 Euros (?or whatnot.)

**I:** But it will get cheaper. … #00:52:14# (?But I’m) talking about wearing it. Like, imagine it is a wearable. Somehow attached to your body as a- like- When you buy it, it’s not like a glass but could something of- would you wear it?

**B1:** If they’re by Tom Ford and there’s a collaboration with designers – for sure. Like, only if they’re good-looking. I wouldn’t wear, like- It’s cool like what you brought. Just like- … #00:52:36#

**I:** It’s huge.

**B1:** Yeah, but I wouldn’t walk around in the streets with this. But like this- Like, for example, with the Apple watch, there was also collaboration with Hermès. I would never wear, like, the Apple watch itself. Because I don’t think it’s that cool for me. Like personally, with my wrist … #00:52:49-50# collaboration with Hermès. (?They can design it.) That’s cool. So, like, yeah, for sure. And if you have Tom Ford glasses, Tom Ford AR glasses – of course. Yeah. Just for the designers, but not even because of the technology.

**B3** For me, if they’re- they can be integrated and … #00:53:05#

**B1:** The eyes. (B3 Hm.) Mirror the glasses. Also, contact lenses would be great. (B3 Yeah.) But I think that …#00:53:10#

**B2:** I think contacts, yeah, (?or really) just.

**I:** So, basically invisible?

**B2:** Yeah.

**I:** Okay.

**B3** Yeah.

**I:** So no-one is actually seeing that you’re wearing it.

**B2:** And also, I think there was a situation with Google. That people thought that they were being filmed all the time with the- (B1?: The glasses.) So, I’m talking to you and you think, yeah, you’re being filmed. (B1: Yeah.) And that’s- I think- I don’t know.

**I:** So, for you it would designer glasses, you just want to integrate- (B3 Contact lenses.) Or contact lenses.

**B2:** And I would go with contact lenses. (?And so) are my own glasses.

**B1:** Yeah. And also, like a (?Ding). That’s what- Looks like a kind of like- Maybe not a controversial idea is, for example, for the porn industry, I think. Because I heard that VR is also very common there.

**B2:** Oh, VR is very common in-

**B1:** And so, like, AR could be even better, you know. You have your own room, your own bed. And then there is just like whoever or whatever. (B2: (laughs)) And so I think that’s like maybe- I think that’s like in

**B2:** So just augment, like, your ugly girlfriend with some very attractive.

**B1:** (laughs) He replaces her (?half) with someone else. That’s a good idea. Like, (B2: Yeah! (laughs)) “I want you to have bigger tits.” Like a plus or a minus sign, and you could by changing it.

**B2:** (laughs)

**B1:** That’s a very good idea, yeah. I would like- No, I wouldn’t like that! It’s just like an idea, yeah.

**B2:** Let’s speak to your girlfriend here then. Let’s see.

**I:** (?Is somebody listening? You taped it.) Okay. Are there any other things or ideas we just didn’t cover?

**B3** I think it’s important for everyone to learn first how to live without this technology and then we learn how to do- It’s like the phones. We don’t want- We always say, “Ah I c- !” We are now slaves for our phones … #00:54:50# because people should learn a little bit more how to properly use them. And I think it’s the same for AR.

**B2:** Yeah, true.

**I:** I believe that also.

**B1:** That is actually true. Like, for example, for writing, maybe you shouldn’t start …#00:55:07#a child by teaching them how to type. First writing, and then when you know how to do it, like you said, then it’s good to also know how to type. And that’s the same with AR. If you don’t want your child to be just like “Okay, this food is bad, this is good” just because of the glasses. So you maybe teach them, okay, maybe if it’s brown it’s not, like, good. I don’t know: what is good? Like, if it’s white maybe that’s like the worst. So, teach them first, like, what actually matters or what actually is the case, and then add the AR to help them, but not to replace your own, like, abilities.

**B2:** Well, I think AR and VR is not, like, legally the- Not- Although I’m not sure legally. Health-wise children under the age of 14 cannot use it, I think.

**I:** VR?

**B2:** VR. What- I don’t know the case with AR. But with VR, VR headsets specially. Like, when we got the Vive, it said that children under 14 cannot use it. It has to do with their- the brain being separated still.

**I:** (?Oh, like) (B2: Yeah.) probably like 3D vision isn’t working for them. Like- That could possibly be the case.

**B1:** Kids cannot see 3D?

**I:** They cannot. I think it’s a different process in the brain.

**B1:** Another reason why I hate kids.