**Name:** P06

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|  | **Timespan** | **Content** | **Speaker** |
| 1 | 0:01.2 - 0:08.1 | Hello and welcome to the interview. Thank you for joining me. Very kind of you. Uh, if I just start first question your name, please. | Interviewer |
| 2 | 0:08.6 - 0:09.0 | [P06]. | P06 |
| 3 | 0:09.5 - 0:21.6 | Okay, thanks. Um, and, uh, your age range, please say 16 to 19. First. One 2229, 32, 39, 42, 49 and 50 plus. | Interviewer |
| 4 | 0:22.6 - 0:23.8 | 16 to 19. | P06 |
| 5 | 0:24.0 - 0:26.7 | Okay. Thanks. And your disability, please. | Interviewer |
| 6 | 0:27.6 - 0:28.6 | Uh, autism. | P06 |
| 7 | 0:29.2 - 0:29.9 | Okay. What's the. | Interviewer |
| 8 | 0:30.2 - 0:30.9 | Spectrum disorder? | P06 |
| 9 | 0:31.1 - 0:36.4 | Autism spectrum. Thank you. And, um, your geographic location, please. | Interviewer |
| 10 | 0:37.8 - 0:39.3 | So [Southern England]. | P06 |
| 11 | 0:39.7 - 0:40.0 | Goes. | Interviewer |
| 12 | 0:40.4 - 0:41.0 | To England. | P06 |
| 13 | 0:41.0 - 0:51.0 | Goes to England. Thank you. So, um, first of all, questions. Um, do you find authentication? In other words, logging into websites through applications difficult because of your disability? | Interviewer |
| 14 | 0:51.4 - 0:52.1 | No, I do not. | P06 |
| 15 | 0:52.2 - 1:32.7 | No. Okay. That's fine. That's. Yes. No. Maybe. No. Um, in what ways, if any, does your disability make authentication hard for you to do so. I suppose you said no to that. So, um, there's probably there's nothing that affects you when you log in to anything like that. Okay. Um, next one, number seven, how important is it for you to get logged in quickly on a scale of 1 to 5, one being not very important and five very important. So quick, so easily, how important is it for you to get loaded quickly and easily? So one not very important to not important three not fast, four important or five very important. | Interviewer |
| 16 | 1:33.5 - 1:43.5 | Um, I mean. I guess five for convenience. Just for convenience. | P06 |
| 17 | 1:43.5 - 1:57.5 | Yeah. Okay. Um, and question number eight, how highly do you rate the importance of security. So one not very important. Two, not important three not first four important or five very important. | Interviewer |
| 18 | 1:58.9 - 2:01.0 | How important do I find work? | P06 |
| 19 | 2:01.2 - 2:02.5 | Security and important. | Interviewer |
| 20 | 2:03.8 - 2:10.7 | Um. I guess. Yeah. | P06 |
| 21 | 2:10.7 - 2:13.7 | For for, I guess. Important. Yeah. Okay. Yeah. | Interviewer |
| 22 | 2:14.4 - 2:17.8 | Um, can I go back to the other one, too? | P06 |
| 23 | 2:17.8 - 2:18.2 | Yeah. | Interviewer |
| 24 | 2:18.3 - 2:23.2 | How? You know. You know, I guess that's that's the three. Because you know it to be convenient, but it's not. | P06 |
| 25 | 2:23.7 - 2:44.4 | Yeah. Okay. As the question is about the balance between the two later on. But maybe that, um, I think that that comes later. Um, so I hope well, the next question many how often do you sacrifice security to make logging in easier to use? Easy passwords. We use passwords or skip two factor authentication. | Interviewer |
| 26 | 2:45.8 - 2:50.8 | Um. Yeah. | P06 |
| 27 | 2:52.5 - 3:01.2 | So this is a scale of 1 to 5. Again, not very often. Two. Not often. Um, three. occasionally, four often or five very often. | Interviewer |
| 28 | 3:01.7 - 3:04.1 | Um. Probably four. | P06 |
| 29 | 3:04.4 - 3:43.4 | Four often. Okay. Um, do you sacrifice? So question ten do you sacrifice security because it's too difficult to authenticate because your disability. Um, so you said that doesn't really affect you. Is that right? So you don't ever find it is a problem because of your disability? Not. Okay. That's fine. Um, if you had to choose, as this is the question I was talking about later, um, if you had to choose, would you prefer more security or an easier and faster login? So I just got 2151. Much easier two easier three balanced four secure or five more secure. | Interviewer |
| 30 | 3:45.3 - 3:45.9 | Um. | P06 |
| 31 | 3:47.2 - 4:30.0 | Three three balance. Okay, okay. Uh, good, good. Um, so this is a yes or no maybe question. Uh, would you like to have one system that you could use to log in to most websites and application. Yeah. He would. Yeah. Okay. Um, so number 13, when you log in, they're going a yes. No. Maybe when you log in to a site or a service, would you like to have details of your disability passed across so that they can automatically adapt the user experience for you? So, um, do you ever find like on sites you have to enter your disability or have answers about your disability? Or do you feel that like, uh, you would like. | Interviewer |
| 32 | 4:30.1 - 4:30.8 | That it makes a. | P06 |
| 33 | 4:30.9 - 4:49.2 | Difference? It does make a difference. If not, you just like to use them as they are sort of thing with you. Yeah. Yeah. Okay. Um. Okay. So no put no, no for that one. Uh, so you wouldn't, you wouldn't want your details passed across or anything like that and. | Interviewer |
| 34 | 4:50.5 - 4:51.2 | Uh, and, uh. | P06 |
| 35 | 4:51.4 - 5:19.2 | No. Okay. Um, okay. Uh, that was, Um, so yeah, question 14 was related to that one. But you've said no. So these the I need to address these questions like later on. Um I would so this would be followed on from the other one is probably going to be no. Again, would you like to have options to choose which elements of your disability of appeal to each third party that you look into? So. | Interviewer |
| 36 | 5:20.8 - 5:21.3 | Um. | P06 |
| 37 | 5:22.5 - 5:28.1 | Yes or no. Maybe they wouldn't because you said no. I suppose that means you don't really want. | Interviewer |
| 38 | 5:28.2 - 5:31.8 | Oh yeah. So it would be a no. | P06 |
| 39 | 5:31.9 - 5:33.1 | I mean I can't. | Interviewer |
| 40 | 5:33.5 - 5:34.1 | Oh no no. | P06 |
| 41 | 5:34.7 - 6:00.1 | No. Not like. Yeah. Okay. Um, uh, number 15, how do you feel about trusting a company with information about your disability? Um, what benefits or negative effects do you think they could have? So you're saying it probably wouldn't really give it. Do you think there would be any put positive or negative effects with giving? And just not for. | Interviewer |
| 42 | 6:00.1 - 6:01.0 | Me, I don't think. | P06 |
| 43 | 6:01.3 - 6:25.9 | No. If you. Okay. That's right. Um. Number 16, would you like to see a login system that we could work with a variety of inputs? This is more for people with physical disabilities who say, like paddles, set path devices, audio or text to speech devices, optical head movement or other assistive technology technology devices, devices. This is a yes no. Maybe. | Interviewer |
| 44 | 6:26.9 - 6:30.6 | Um, for me. Um. | P06 |
| 45 | 6:32.6 - 7:03.4 | No, no. Okay. But, um, again, probably another way or another related to in relation to the above question, which alternative assistive technologies would you like to be able to use as well? So again, not very applicable. Um, would you like to or currently use assistive technologies such as paddle or switch to authenticate with Again, these these questions are a bit jumbled because I haven't really had time to, um, refine them yet. Well, I. | Interviewer |
| 46 | 7:03.4 - 7:06.6 | Don't know if I can go back for a third of one before. | P06 |
| 47 | 7:06.6 - 7:07.0 | Yeah. | Interviewer |
| 48 | 7:07.1 - 7:15.7 | Um. Well, if you're including things like finger print. Yeah, things like that, that I guess. | P06 |
| 49 | 7:16.0 - 7:16.3 | Yeah. | Interviewer |
| 50 | 7:16.7 - 7:18.8 | That that would change my answer. | P06 |
| 51 | 7:19.0 - 7:56.3 | Yeah. Um, okay. So. But I suppose it depends whether we call that assistive technology or not. Really, I suppose. Yeah. You're right. I suppose it could be, although it's in general used to assess people generally, um, whether it's assistive in terms of disabled people, um, because sometimes you can't get specialist cameras and things like that. But for something like Windows Hello, where you can sign in with your face, that could be deemed both assistive technology and, but it's also being used by the general population. So something like that a fingerprint sensor. Uh, what about facial login. Would you use that? | Interviewer |
| 52 | 7:57.1 - 8:00.6 | Um. Yeah. Yeah. Fingerprints. | P06 |
| 53 | 8:00.6 - 8:03.8 | Prefer fingerprints. Okay. Okay, good. | Interviewer |
| 54 | 8:04.0 - 8:08.5 | That's more for for. Just for ease of use. Them as being assistive. | P06 |
| 55 | 8:08.7 - 8:09.9 | Okay. Yeah. Yeah. | Interviewer |
| 56 | 8:10.3 - 8:11.1 | For display. | P06 |
| 57 | 8:11.2 - 8:45.1 | Yeah. Yeah. Yeah. Yeah. I mean, it's questionable whether that came from, um, was developed from assistive technology. No, I don't think it was, but maybe optical maybe, um, some of those were spurred on by assistive technologies originally. Um, possibly. Um. Um, but they do sort of kind of go hand in hand with research for assistive technology, obviously. Um, but, um, because, you know, um, say like a blind person might find fingerprint, uh, entry easy or something like that, I don't know. | Interviewer |
| 58 | 8:46.0 - 8:46.8 | Um, [Anonymous]. | P06 |
| 59 | 8:47.2 - 8:58.8 | Okay. Yeah. That's like a brand that might find it easier rather than having to type something in or something like that. Yeah. Yeah. Yeah. but we got the, um, losses. You for them? | Interviewer |
| 60 | 8:59.2 - 8:59.9 | Um. | P06 |
| 61 | 9:01.3 - 9:02.2 | Good. Good. Yeah. | Interviewer |
| 62 | 9:02.5 - 9:04.5 | Yeah. Well, some of the nerve damage. | P06 |
| 63 | 9:04.6 - 9:43.5 | Yeah, from the nerve damage or something like that. Yeah. It's good, but, um, do you find it frustrating or have any reservations when logging into systems? So things like, uh, do you, do you have lots of data or do you worry about privacy or denial of access, losing your data, or having difficulty logging in? Do you have any do you have any? And does the stress you out or anything like that? I don't know, actually. I can't gauge, um, what strengths do you think a good logging system should have? And how would you feel if you could use a system like that? So what do you think your ideal login system would be? | Interviewer |
| 64 | 9:44.9 - 9:45.2 | Um. | P06 |
| 65 | 9:46.3 - 9:50.3 | And it could be a science fiction idea or anything like that. Well, yeah. | Interviewer |
| 66 | 9:54.2 - 9:54.8 | But For what? | P06 |
| 67 | 9:54.8 - 10:03.4 | For being, um, just the easiest way you can imagine to be able to get looked at or the quickest or the most secure. | Interviewer |
| 68 | 10:03.5 - 10:11.6 | Um, well, face ID is kind of kind of that, but then it's not that secure. No. Um. | P06 |
| 69 | 10:13.8 - 10:19.4 | Yeah. Because people could use photos or people that look like you could maybe get looked at and now. | Interviewer |
| 70 | 10:19.9 - 10:23.9 | But for me, I feel like fingerprint nowadays pretty much. Um. | P06 |
| 71 | 10:25.7 - 10:29.0 | Do you ever find fingerprint ID doesn't work for you? I like if, you. | Interviewer |
| 72 | 10:30.2 - 10:30.9 | Know, like. | P06 |
| 73 | 10:31.0 - 10:35.9 | Say no, especially again, like, I. You just can't find me mine someplace. Place mine. Like with. | Interviewer |
| 74 | 10:36.0 - 10:49.0 | With. Uh. Well, they don't they don't have it on iPhones. On the old iPhones. Um, I think they've stopped off the iPhone seven or something. Yeah, they had the button and and you could do on that, though. That would work really well. | P06 |
| 75 | 10:49.2 - 10:49.5 | Yeah. | Interviewer |
| 76 | 10:49.5 - 10:50.4 | Pretty much every time. | P06 |
| 77 | 10:50.6 - 10:54.6 | Okay. Okay. So it's it depends on if you have all the hardware that you have. | Interviewer |
| 78 | 10:54.6 - 10:59.2 | Yeah, the one of the ones where it's on the screen, uh, doesn't seem to work, so. | P06 |
| 79 | 10:59.3 - 11:01.6 | Yeah. Uh, it's an interesting point. The guy. Okay. | Interviewer |
| 80 | 11:02.3 - 11:06.3 | You know, the old iPhones and stuff, they don't actually have any more than you guys had. | P06 |
| 81 | 11:06.6 - 11:07.0 | Yeah. | Interviewer |
| 82 | 11:07.6 - 11:13.8 | Yeah, they were. They were pretty good. Yeah. Like, for me, that was, um, I think the best way. | P06 |
| 83 | 11:14.0 - 11:37.1 | Mhm. Yeah. Yeah. It's a good way because there's direct contact with your fingertip. I think the problem with having on the screen is people tend to put screen covers on them. And then that blocks some of the imaging and uh the sensor. Um I think I know in Google you couldn't there's a setting in Google where you can account for a screen saver to help improve the screen fingerprint recognition. I don't know if you have that, an iPhone or anything like that. | Interviewer |
| 84 | 11:37.1 - 11:45.2 | But with iPhone it wouldn't, it wouldn't have. Um, you wouldn't. That's great. The screen protector wouldn't come up. | P06 |
| 85 | 11:45.5 - 11:46.6 | No, no. Okay. | Interviewer |
| 86 | 11:46.6 - 11:53.5 | Well, I think they just I don't know, I think they just took it out because, um, um, for extra space for other things and. | P06 |
| 87 | 11:54.0 - 11:56.7 | Yeah, amongst other reasons, I think, uh. | Interviewer |
| 88 | 11:56.7 - 12:00.5 | Well, they don't have uh, books. Mhm. | P06 |
| 89 | 12:01.6 - 12:11.1 | And yeah, I think that was more to do with waterproofing. But um. Uh, maybe, but who knows. Who knows what they did. Yeah. Okay. Uh, good. So far. | Interviewer |
| 90 | 12:11.1 - 12:11.9 | Um. | P06 |
| 91 | 12:13.7 - 12:39.5 | So, um. Yeah. Very interesting. What's the question? I'm 22. What? Um. Do you sometimes think that a company should automatically know who you are? Or do you welcome, like, say, if you go to a website, it's automatically load you in? Or do you welcome the fact that there's always a layer of security with protecting your data? So in other words, you it should force you to log in each time you go to a website. | Interviewer |
| 92 | 12:40.4 - 13:11.3 | Um. Um, I think it depends on how how long it takes to log in. I think if if maybe. You just. What is that? Um, what they call it on Microsoft and Google, where you put your main pin and, uh, when you go into a new website sometimes. Yeah. And you have to pay you your. | P06 |
| 93 | 13:11.8 - 13:33.2 | Google Pay and that's the, that's, uh, syndication. So that's similar to us called single sign on, um, single sign on where you have sort of one password or one pin to, to authenticate with. Um, um, they what's the other word for it? They use. Um, so it's authenticate with Google or something like that. Authenticate with Apple. | Interviewer |
| 94 | 13:33.4 - 13:52.0 | I think, uh, that's a good balance. But this is quick enough and it's a bit more secure. Yeah. The websites that you that you want, uh, um, have more security on them. Um, then you can add extra verification. | P06 |
| 95 | 13:52.0 - 14:02.1 | Yes. So it kind of depends on the website as well a little bit I guess with um, so some steps. So you're saying some websites, you could have a bit more security if. | Interviewer |
| 96 | 14:02.9 - 14:06.1 | Yeah. Yeah. Okay. I think you can, you can do that. | P06 |
| 97 | 14:06.4 - 14:06.7 | Mhm. | Interviewer |
| 98 | 14:07.3 - 14:08.6 | Um, okay. | P06 |
| 99 | 14:08.9 - 14:33.9 | Yeah. Yeah. Most websites will give you the option whether to add to Apha and things like that as well. Um some it's almost compulsory though nowadays. Um, and on the back of that question, do you think authentication systems need to be more intelligent. So do you think things like using AI or um, anything like that would help with an authentication logging system? Um, that could help recognize who you are? Do you think that's overkill? Probably. | Interviewer |
| 100 | 14:35.3 - 14:51.7 | Um, I think they are just. And and my my head without much foresight is. But it seems like it it would add extra and complications to it. | P06 |
| 101 | 14:51.8 - 14:52.6 | Okay. Thank you. | Interviewer |
| 102 | 14:52.8 - 14:53.7 | We didn't just have enough. | P06 |
| 103 | 14:54.0 - 15:09.0 | Yeah, that's a fair point. Uh, Lewis. I could take that. It could take longer to, um, authenticate when you want to get logged in quickly. So if you're out and about, it might end up spending too much data rules because you authenticate. | Interviewer |
| 104 | 15:09.0 - 15:14.4 | And I think it could just end up. Mhm. Malfunctioning. Yeah. | P06 |
| 105 | 15:14.4 - 15:20.2 | Just not. That's true. Yeah. Complicate things. Uh, they could be more evasive malfunctions. Yeah. True. | Interviewer |
| 106 | 15:20.7 - 15:35.0 | Uh, and with some of them. Okay. Mhm. It seems like it could end up being. Mhm. Rather than it being uh like a logical like a binary thing. Mhm. It's sort of either yes or no. There's number. That number. | P06 |
| 107 | 15:35.0 - 15:35.4 | Yeah. | Interviewer |
| 108 | 15:36.0 - 15:40.4 | Uh no. And then when we predict where they with it, where it could end up just. | P06 |
| 109 | 15:40.6 - 16:32.2 | Yeah. And then the same bias as any both at is end. Yeah. And the bit um, if we have random errors or things like that. Yeah. Yeah. I think the Pope was saying the other day that at the new Pope, he was saying, um, how, um. Funny. One of the big challenges for this day and age is how, um, because the big debates on, um, the don't get me started on that [referring to Artificial Intelligence]. That's the, uh, those thoughts on that one, because it's like, um, I think it's far from being, uh, some people think it is, but I think it's just too unmistakable in two acts to make too many mistakes at the moment, like with, you know, hallucinations and things like that. That's another story. Um, number 23, do you feel that security is an organization's responsibility, that other use or a bit of both? | Interviewer |
| 110 | 16:33.3 - 16:51.6 | Um, I think it should be. I think there should be, uh, a duty for the organizations. Mhm. Um, but really, it's like anything else is if you really care about it, So take it. | P06 |
| 111 | 16:51.7 - 17:05.7 | Join hands. Yeah. Yeah. So, yeah. So you have to update your data. You have to be responsible for it as well. But it's also the data that they hold. They've got responsibility for that. Yeah I think there's a shared responsibility. | Interviewer |
| 112 | 17:05.8 - 17:07.6 | To have like a like a duty of care. | P06 |
| 113 | 17:07.8 - 17:44.5 | Yeah. Yeah. Yeah. Okay. I thought so. Um. Question 24. Would you consider using an on person device for verification? And it's, uh. If so, which would you prefer? I said examples of these, uh, um, key fobs. Um, it's like a button or something like that. Well, think of it, but. Or something like that, a USB key which you plug into the computer and it will automatically authenticate you until you take out a Bluetooth switch. So something connected with Bluetooth that you could press a button. Uh, biometric device. Um, you said your interest. Uh. Uh, yeah. Or maybe just a mobile phone. | Interviewer |
| 114 | 17:45.7 - 18:05.8 | Um. I think. Maybe if it could be. Uh, much like standardized. Um, so it's used for more or less everything? Yeah. Rather than ended up having, like, a key for for this and then something. | P06 |
| 115 | 18:05.9 - 18:08.5 | Right, right. Yeah. Yeah yeah. That's fair point. | Interviewer |
| 116 | 18:08.5 - 18:13.3 | Yeah. Because yeah. Otherwise it's, it's just um. Yeah. Mhm. Just another thing to. | P06 |
| 117 | 18:14.4 - 18:23.0 | Think about like another stalker. Yeah. Yeah yeah yeah yeah yeah yeah yeah. You definitely have like 20 key fobs in your hearing speech. | Interviewer |
| 118 | 18:23.0 - 18:25.1 | Uh yeah. It's just, you know. | P06 |
| 119 | 18:26.0 - 18:29.0 | I have this thing to lose. Yeah, yeah, yeah. | Interviewer |
| 120 | 18:29.5 - 18:31.5 | So another thing to have um. Mhm. | P06 |
| 121 | 18:32.2 - 18:39.6 | So that might work with a single application. Something about with a single application that could lock you into lots of places or something like that would be useful maybe. | Interviewer |
| 122 | 18:39.7 - 18:58.9 | Yeah. Or like um. Mhm. If it, if it could be something like uh with a bank card you can have, you can either have your code or you can have your Apple Pay, which then also because it's just the I think it's just the data, you know, you don't need um, internet to you. | P06 |
| 123 | 18:59.4 - 19:00.2 | Yeah I. | Interviewer |
| 124 | 19:00.2 - 19:00.5 | Think. | P06 |
| 125 | 19:00.8 - 19:01.1 | Yeah. | Interviewer |
| 126 | 19:01.6 - 19:05.8 | So that it could just, you could have it. So it's. | P06 |
| 127 | 19:11.0 - 19:11.2 | Yeah. | Interviewer |
| 128 | 19:11.7 - 19:24.9 | So you can have it. So it's, it's something that could be kind of passed over. So you could if you want to have it on the phone, you could have it on the phone and then maybe transfer onto your phone. Mhm. Okay. | P06 |
| 129 | 19:25.3 - 19:32.9 | Yeah. So you do have options the different devices or something that's transmitted together or something like that transferable to other systems. Yeah. | Interviewer |
| 130 | 19:33.3 - 19:37.8 | Yeah. Just one thing I think um if you. | P06 |
| 131 | 19:38.4 - 19:54.2 | I think of it's kind of yeah some sort of little, little box you could just like a thumb shaped thing that you could just press it or something like that. Maybe it's a separate device, a decent piece of hardware that loads. We need you to fingerprint and then and then that would communicate with the application and it would lock you in. | Interviewer |
| 132 | 19:54.4 - 20:15.8 | Yeah. Yeah. But yeah I think this is kind of okay to break the world. Mhm. Um I don't think there's you need anything. Much different from from either that or like you said key for you know just you could just use it like a key. | P06 |
| 133 | 20:16.1 - 20:16.4 | Yeah. | Interviewer |
| 134 | 20:16.7 - 20:27.8 | Yeah. If there's, if you've got the key blocker or something like that. Yeah. You need it. You got security. You just put a yeah a lock in on that and keep the key. | P06 |
| 135 | 20:28.0 - 21:27.1 | Yeah. I mean, I guess the way to look at it, like you say, is a key. So in a way, it's like a virtual version of a key. Yeah. I guess. Yeah. Okay, interesting. Um, so that's pretty much the end of it. Just a few more questions to wrap up. Um, would you like the opportunity to be include any future research questions in relation to the day. So I think there's a survey coming later. And the possible option of testing an application, uh, as opposed to like application. Would you be interested in taking part or not. So. Yeah. Okay. Um, and there is one question about gender as well, just in terms of this one, it's it's a bit out of order, but the others. But it's something I had planned. So, uh, gender, would you describe yourself as one woman, two men, three transgender? Four non-binary, non-conforming, five preferred to self? Uh, define yourself as whatever, or six prefer not to respond. | Interviewer |
| 136 | 21:28.2 - 21:30.1 | Uh, I can't remember which one it was. | P06 |
| 137 | 21:30.2 - 21:45.9 | Uh. Number two. Um, I kind of think that if you have a long list and finally, any further comments or questions from that? Okay. That's finished. Okay. Thank you very much. Thank you. And, uh, preciate you, um, taking the time to do this interview with me. Thank you very much. | Interviewer |
| 138 | 21:46.6 - 21:47.5 | You're welcome. | P06 |