Users expect the voice assistant to be human, thus its deficiency in Temporary fun multi-language may inspire interchangability may people to learn sound cold, making language, but not users feel bad engage them for long Voice UX has Users feel Users tend to significant Noting styles "Friends" plays negative if the treat voice Motivation deficiency in other Motivation comes a role in speaker doesn't assistant in languages from varies, but (speakers) than and revising sound human motivation and fun/non-academic personal way usually not English giving learning activities related to the language persistant advice Siri can't After some time- feel Talk to it like sad that I'm talking to No Idea say her Japanese anime a friend when 2 friends were Excited in the a machine because I name moviesrealise that my French- got begining, but they're bored roommate's not home interested in interested in correctly motivation may learning a second learning French fade out. language Feels sorry that Start each She cannot she asks command with Interest Learnt English pronounce No specific reason, assistant to do Siri- makes her just kind of fell out when she was something for Chinese To impress feel like it's not little- Japanese as of the radar, was her, says thank names girl (:P) elective, likes excited about it human you then just stopped Koren drama- got revise those too often doing it interested Siri doesn't Parents use Siri to Duolingo teaches you words, gives you context Constructive understandfeel human Travelled to on how those are used, Lots of difficult for Siri to **Assistant** criticismwork on pronunciations, (during long Japan 4 interaction could hear the word and understand their friend and have a one-to-one Chinese English design terms times so convesations) translation to English- all application accents originate from that was good. wanted to German both learn (Bauhaus too) Feels like she's Mixture of talking to a After some time- feel Korean and Too busy, asked sad that I'm talking to Motivation machine- can't Englisha machine because l Korean friends help you with wasn't realise that my doesn't to teach one or that roommate's not home strong two sentences respond enough Would want the voice Helpful, cute, cool (changing her Relationship-Hard time assistant to habits- first thing Friend does not professional understanding know my when she wakes uplive with me, earlier phone- nowaccents- names, name can't practice asks weather) search queries too often- would benefit Some common learning pattern we found Users imply an The learning tools Recollection is Learning in deal tool should be Users, by Practicing they use all a common up for the form of default, expect involve vocal speaking in pain in convenience. elements, but not smart speaker social setting is conversation Features: language necessarily to understand correction, and is preferred a common pain learning interactive having variaty some context Making English : Classes in school. Would want to Reading textbook, doing Learning Japanese sentences-Weather, homework. Japanese : in China was tough, use voice UX for Remembering helpful in Second language teaching only in classroom, class. Classes for languages if it then learning and words beginners. Basic grammar, didn't have anyone helps with word pronunciation and simple makes it more to practice with translate to exercises. translations fun celcius Remembering People were not available all the time-Would use voice Relationship-Conversation if you liked a assistants for Class- people with a person Just a tool, pronunciation particular volunteerlanguage learningwas not available all helped- life used to come if it corrects and not so smart the time + took time related work there to learn pronunciations vocabulary to answer right now English Teach me Embarrassed to take Rules and notes in front of **Duolingo**yoga- go to friends- had to go patterns are helped classback home and ask not obvious friend again because couldn't go at revise a lot she forgot what she Podcast had said night Learning was German easy Duolingo got grammar was speaking was boring and too tough, She uses a chinese tough repetitive after app which is a very long community based (Japanese) a while learning platform. The app has volunteers who help others (German) She took classes in high school which had English speaking countries' residents as teachers. She likes to talk to people, and hence was very vocal in the class. Duolingo

Flash cards

Note feature is

needed, but

should give

sufficient

flexibility to user

vary in flow

Very

intensive

notes

Notes were like

sketches- process

diagrams, icons,

bullets, then interest

reduced- doesn't

now

Key points,

important notes-

revising on a

weekly basis and

before exams

No notes

Voice interaction

has its advantage convenience, and

difficulties in

transiting/guiding user behaviors

Users use voice

assistants to

complete short

routinely tasks that

maybe convenient

Echo- whenever I'm in my

watch all the time. Echo to

control lights and play

music, sometimes for

weather updates when

I'm getting ready

Laundry washer

dryer cycle timer-

Use my watch

mainly for timers,

alarms, reminders

too

Convenient

Convenient,

routine

Relationship-

delightful (can play music while

I'm lying on the

bed)

3-4 times a

day-

weather,

lights

Weather

etc.

Google Home

Mini doesn't

support long

conversations

room. Siri- I use on my

Some complains

come from

comparison with

traditional visual

Say something

wrong- have to

go back to the

start

Difficult to

adjust the

volume

Disappointed that

all functions

cannot be

discovered, which

skill to install?

option to go

back to the

previous step

instead of

starting over

Notes might be helpful

for learning languages, the question is

whether the motivation

to take notes is strong

enough.

Just for fun-

didn't take it

very seriously-

played by

chance

For exam,

took notes

not for

interest