Trend: Voice User Interfaces

Figma Voice User Interfaces file:
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This is an interface that allows the user to interact with a system through voice commands. Its primary function is to perform a task that is assigned by the user [1]. Nowadays many interfaces such as Siri, Alexa, and Google Assistant are trendy, but this field was not developed in the 21st century. Its beginning came in the 50s when Bell designed "Audrey" that could count numbers from 0 to 9, later "Shoebox" appeared, which would have the ability to perform simple calculations [2]. These were the pioneers and gave rise to what we know today as different applications that allow us to do tasks for us. Allowing users to do secondary tasks while the interface performs some activity requested by the user, causing 1 in 4 people to use an interface [3]. The increase in use has been due to the advantage of interacting with voice interfaces without focusing our attention on them since their use is free of hands and eye contact, in addition to the fact that their interface can be used on devices such as cell phones, computers, smart watches, televisions among others.

Examples:

1. Use in Interactive voice response which is a method for customer service. This is an automated service that resolves client questions without having to wait long periods to communicate with an assistant. This allows real assistants to dedicate themselves to tasks that can be more exhaustive instead of solving easy questions [4].
2. It improves the experience with people with visual or motor difficulties because these types of interfaces are very inclusive. People who have visual difficulties have the opportunity to ask questions and have the answers since they will be able to activate the interface and ask their questions through their voice instead of typing the question.
3. Daily life use, these interfaces are very common in homes, many people link the voice interface with household tasks, and through this, the interface can perform tasks such as answering calls, doing Google searches, and turning lights on/off. One of the most popular is when the user has their hands busy, for example when driving, these interfaces allow the user to answer and make calls, and operate the music system, among other activities.
4. Its use in the educational field has also increased since it allows users to use automatic dictation as well as voice reading in which the interface can read and translate a paragraph into the language that the user desires.

5. Customize voice and tone of voice to the one desired by the user, increasing its use and generating greater interaction users have the option to make the desired changes by having the possibility of listening to the voice they want, this is allowed together with applications such as iMyFone MagicMic that are responsible for providing the voice of people or animated people.

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I am a user who uses this technology very often since in my daily life I ask my cell phone or television to play music. Through voice commands, I ask the interface to play a song that I want

to listen to. On many occasions I have used the Google Voice tool in which I ask it to read some text, I am a person who can get easily distracted and reading can take me a long time, which is why I ask the tool to read, this way I can finish quickly. I think that Voice User Interfaces will be more used in the future, thus allowing a reduction in daily tasks since these will be carried out by the interfaces.

References:

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