

A recent development in the area of web technology (node.js) is the beginning of the voice user interface, or VUI, era. Smart devices, such as smartphones and smart speakers with AI, that are equipped with digital voice assistants such as Siri in iPhones and Google Assistant in Androids are becoming increasingly popular. This prominent progression toward voice interfaces is due to easy hands-free use and affordability. Thanks to voice interfaces, this form of communication allows everyone, children and elders alike, to interact without any learning curve. In addition to voice interfaces' greatest potential being among those with disabilities, users in an "eyes-busy, hands-busy" situation, and those who don't have access to a keyboard and/or a monitor, voice search experiences its main trends in e-commerce. Clockwise claims in their article, "Web Development Trends and the Latest Web Technology Stacks in 2020", that by 2021, "it [voice assistance] is expected that almost 123 million US citizens, or 37% of the entire population, will use voice assistants." Businesses that experience the greatest attainment invest in accessibility of voice search. The efficiency of speech recognition technology in voice searches is the reason adoption rates have spiked. Voice user interface is an up and coming web technology that has the potential to provide the most optimal communication convenience.