

ACTIVITY No. 3 : Interacting with Computer Technologies

Objective

Examine users' ability to communicate with technologies.

Time: 1 hour and 30 minutes

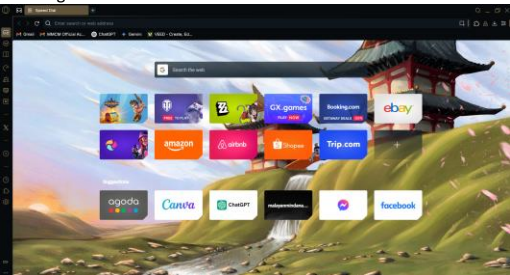

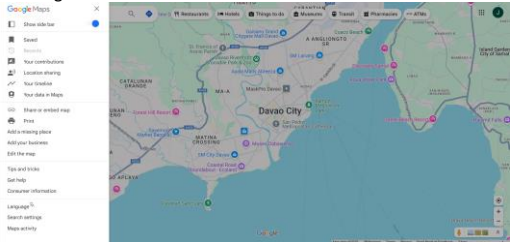

Materials

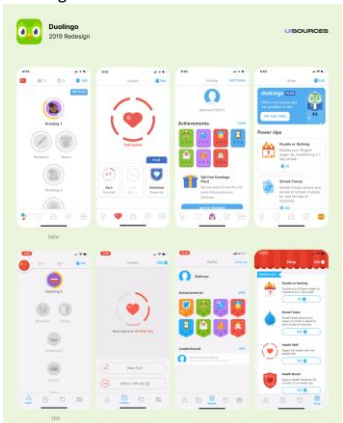
Personal computer

Internet connection


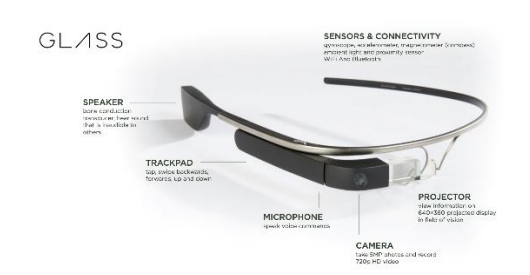
Procedure

- a. Search 5 technologies which designs depict for easy interaction with users. Provide picture for each technology.

<p>1. Image here</p> 	<p>Name: Opera Gx</p> <p>Description (your own understanding)</p> <p>Opera GX is a modernized take on a web browser that is catered to gamers or other kinds of people who frequent online. The Ui is designed for easy access to buttons that gamers would frequently use, and prioritizes customizability.</p>
<p>2. Image here</p> 	<p>Name: Nintendo Switch</p> <p>Description (your own understanding)</p> <p>The Nintendo switch is a console developed by Nintendo that focuses on mobility, unlike other consoles. It was designed with the capability to be able to bring it around, with the cost of performance.</p>
<p>3. Image here</p> 	<p>Name: Google Maps</p> <p>Description (your own understanding)</p> <p>Google maps is an application developed by google to provide an interactive map of the world for easy navigation. It houses many features such as setting up a route to a destination, details of a destination, and many more.</p>
<p>4. Image here</p> 	<p>Name: Scientific calculator</p> <p>Description (your own understanding)</p> <p>A scientific calculator is an advanced form of calculator that does more than the regular operations of adding, subtraction, multiplication, and division. It can perform complex equations that are especially useful for scientific equations.</p>

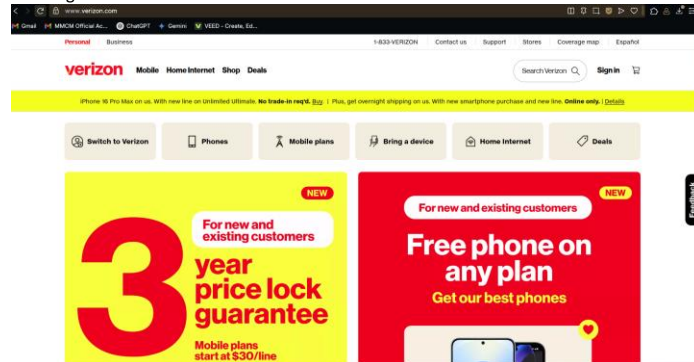
<p>5. Image here</p> 	<p>Name: Duolingo</p> <p>Description (your own understanding)</p> <p>Duolingo is a language-learning app that uses gamification to teach new languages. Its engaging design and interactive lessons make language learning accessible and fun.</p>
<p>Source:</p> <p>https://www.duolingo.com</p> <p>https://www.google.com/maps/?entry=wc</p> <p>https://www.wired.com/story/nintendo-switch-review/</p> <p>https://www.laptopmag.com/reviews/opera-gx-web-browser</p> <p>https://www.casio.com/ph/basic-calculators/ergonomics/features/development/</p>	

- b. Search 5 technologies which designs depict for difficult interaction with users. Provide picture for each technology.

<p>1. Image here</p> 	<p>Name: Windows 8</p> <p>Description (your own understanding)</p> <p>Windows 8 is a version of the windows operating system that redefined their UI into tile-based elements in the start screen. This made simple tasks require multiple steps to complete, making it non-intuitive, and visually distracting.</p>
<p>2. Image here</p> 	<p>Name: Google glass</p> <p>Description (your own understanding)</p> <p>Google glass is a wearable device with an optical head-mounted display, providing information in a smartphone-like, hands-free format. Users found it unintuitive with the Ui being not smooth and requiring much more effort than a standard phone.</p>
<p>3. Image here</p>	<p>Name: BMW iDrive</p> <p>Description (your own understanding)</p> <p>BMW's iDrive is an infotainment system that controls navigation, entertainment, and vehicle settings through a central knob and screen. Early versions were criticized for being non-intuitive and requiring multiple steps for simple tasks, leading to driver distraction</p>



4. Image here

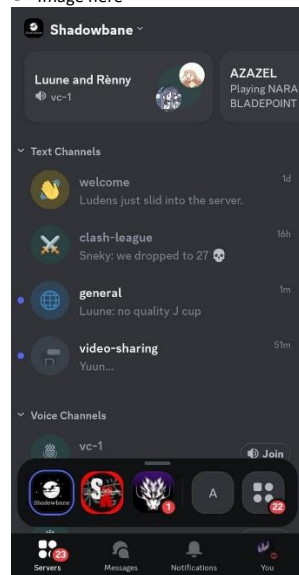


Name: Verizon website

Description (your own understanding)

Verizon website that houses their information and deals. Users have pointed out inconsistent fonts and a navigation structure that requires numerous clicks to accomplish simple tasks. The site often prioritizes prompting users to install the app over providing a seamless web experience.

5. Image here



Name: Discord Mobile (2023)

Description (your own understanding)

Discord is a communication app that leans towards gamers or other online goers. Discord's December 2023 mobile update introduced a new layout that disrupted familiar navigation patterns. The separation of direct messages from servers, removal of swipe gestures, and a cluttered top bar led to user confusion and frustration.

Source:

<https://www.verizon.com>

<https://www.investopedia.com/articles/investing/052115/how-why-google-glass-failed.asp>

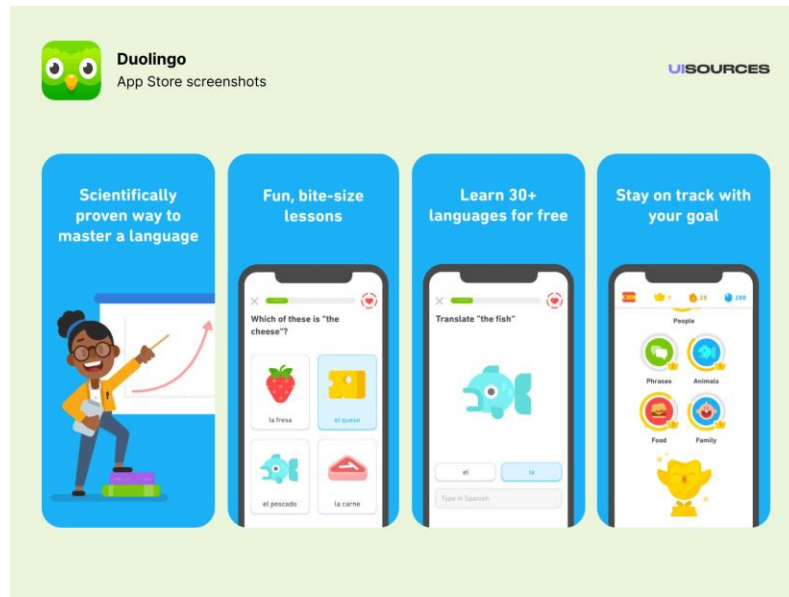
https://www.reddit.com/r/discordapp/comments/16dzz56/wtf_is_up_with_the_new_discord_mobile_layout/

<https://idmdigital.co/news/ui-design-lessons/>

<https://g80.bimmerpost.com/forums/showthread.php?t=1935271>

- c. Choose only one technology ABOVE in easy and difficult interaction with users.
- d. Provide picture and description on the functionalities and features.

Easy Interaction



Duolingo is a popular language learning platform designed to make acquiring a new language fun, accessible, and effective. It offers a wide range of courses in many languages, using short, gamified lessons that combine reading, writing, listening, and speaking exercises. Users engage with activities like matching words to images, translating simple sentences, practicing pronunciation, and filling in blanks, all while earning points, leveling up, and maintaining daily streaks. The app also adapts to a user's learning speed and style, offering personalized practice sessions to strengthen weak areas and encourage consistent progress.

Difficult Interaction



Google Glass is an intelligent, hands-free assistant, that is a wearable technology gadget that resembles a thin, light pair of glasses. Users can access information without taking their eyes off their surroundings thanks to its tiny, transparent display that is positioned close to the eye. A built-in camera for taking pictures and recording videos, voice command capabilities for sending messages or conducting web searches, and wireless connectivity for syncing with cloud services and smartphones are all features of Google Glass. It is helpful for both routine tasks and specific professional applications because it also provides GPS navigation, real-time translations, and augmented reality experiences.

e. Provide explanation or justification why you say that interaction is easy or difficult. Comment on the designs

EASY INTERACTION	DIFFICULT INTERACTION
<p data-bbox="110 312 794 426">Duolingo offers an easy interaction because it uses a simple, intuitive, and gamified design that encourages users to learn without feeling overwhelmed.</p> <ul data-bbox="159 464 794 1020" style="list-style-type: none"><li data-bbox="159 464 794 537">• The lessons are short and focused, minimizing cognitive load.<li data-bbox="159 569 794 682">• Activities like matching pictures to words, simple translations, and pronunciation practice are very visual and straightforward, reducing confusion.<li data-bbox="159 714 794 873">• The app provides instant feedback, progress tracking, and positive reinforcement through points, badges, and streaks, making users feel motivated and clear about their progress.<li data-bbox="159 905 794 1020">• Personalization adapts to each user's weaknesses, making the experience custom-tailored. <p data-bbox="110 1100 794 1213">Duolingo's design is colorful, friendly, and well-organized with clear navigation and consistent interactions, which make it very approachable even for new or casual users.</p>	<p data-bbox="816 312 1500 426">Google Glass has a difficult interaction because it demands a high learning curve and introduces new ways of interacting that are not familiar to most users.</p> <ul data-bbox="865 464 1500 1020" style="list-style-type: none"><li data-bbox="865 464 1500 537">• It uses a tiny display close to the eye, which can be hard to focus on and distracting at first.<li data-bbox="865 569 1500 728">• Interactions mainly depend on voice commands and minimal touch controls, which can be inaccurate, confusing, or awkward in public settings.<li data-bbox="865 760 1500 919">• Augmented reality features and contextual information add complexity, requiring users to constantly learn new gestures, settings, and visual cues.<li data-bbox="865 951 1500 1020">• User attention is split between the real world and virtual content. <p data-bbox="816 1100 1500 1339">Although Google Glass is sleek and innovative, the interface is too minimalistic, where guidance is limited for users. Getting used to the device requires habit changes and mental adaptation, which makes the interaction more difficult, especially for first-time or casual users.</p>

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