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**2-2 Assignment: User Components and Data**

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Discord is a community app designed to be a social hub for friends or a larger community. The mediums on which communication can function are through text, events, voice chat rooms, image and video sharing, live video chat, screen sharing and even socialize through built in games that work cross platform.

The features and screens included with the UI include the home screen, which is a hub for all of your actions you can commit to between friends, the communities you’ve joined or created. The navigation buttons are mostly on the left and bottom sides of the screen. These can be opened or are stuck open at times for quick navigation.

The navigation buttons are composed of server icons that, when pressed, will open up all the channels for that server. You can also open your profile settings, notifications or open your direct messages menu to check or create direct messages. These buttons all pull information from

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Discord, where the community server uploaded a server icon and server chat structure along with permissions that enact security between all accounts. It also pulls information from Discord of all profile icons, descriptions and cosmetics.

The chat screen is a window to what is going on with how data is transferred in the background. For security reasons, Discord only connects to Discord servers, while users can only directly connect to Discord servers. You cannot pull someone’s IP address by simply being in a call with them because there is no IP address to collect besides the official Discord server addresses. You never directly connect to anyone. When you send a video to someone, the video is sent to Discord servers, where it then sends the information to the recipient. This is also good because it ensures that data is synchronized between the chat members. I have no data to back the network architecture statement up besides personal experiments, sorry for the lack of resources on this.

Video calls are intuitive. There are so many features I failed to mention. Video calls can remove backgrounds automatically and replace them with a custom background. There are tools to tune your microphone and cut out background noise. There is a screen share button, camera feed toggle button, end call button, mute button and the activities button lets you host a game for everyone to join in on when they want. You can even adjust the volume of each member for yourself or mute them along with many other shortcuts and features. Calls can support up to a hundred people at the same time along with twenty-five video feeds.

Discord is a good option for communities, friends and businesses as a free option for communication. Screen sharing helps debug computer related issues or shares ideas or games. Discord acts as a cloud to store data securely.

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**Resources:  
Discord. (n.d.). *Discord*.** [**https://discord.com/**](https://discord.com/)