CS-360 Mobile Architect & Programming

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2-2 Assignment: User Components and Data

The app that I have chosen to focus on is [Discord](https://discord.com/). A place where users can communicate directly with individuals or with large communities.

**Discuss the features of the mobile app.**

This app is a place for communication. There are multiple communities that you can join and select between to focus on. Each community has sections within the page that you can select and communicate in. The main screen you will work in is, once you’ve selected a community and a section, a text chain where users can chat with text, images, videos, links, polling, and more.

The major UI components include images with hover-text for each community, far left page, or side of screen when you slide. There are four separate panes of UI Components to use, one (far left) the community panes, next is a pane of the sections inside the selected community, next is the main pane for the main communication with a textbox at the bottom of the pane with a “+” to add images, videos, GIFs, and more, lastly (far right) there is a pane for the users active status.

Data is included in this app in all panes, first of you have user data that is stored. User data including username, email, password, active status, login status, time since joined Discord, time since joined a particular community, profile picture, membership status. Each community has their own data that is shown to the user with profile images, each section has specific data tied to it, there are even plug-ins with apps like Twitter, Youtube, Facebook, and more that send a notification and a post to a particular section (typically called “Announcements”) that will show users when a new post on another platform has occurred. Users can also direct message each other, which also includes data.

**Discuss the possible data sources of the mobile app.**

Almost all the data that is used in the app is user generated. Users can post anywhere, that’s data. Posts can come from external sources, like another social media site, and be posted within sections of communities. User info is stored, I assume, within databases for Discord, but you can also link your personal profile to external data sources like other social media channels for yourself. Data that can be accepted is text, images, videos, GIFs, links.

**Explain how the data that users interact with helps them meet their goals.**

This is app is for communication, when you want to communicate with others you send data (text / image / video / GIFs / etc) to other users, and you get data back. This is an incredible platform for communication and data is used all over the app. Not like a weather app where data needs to be changed to use graphics but where text is the primary source of data.