

CSC-440 Team 4 Project Proposal

Group 4:

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Proposal:

After discussing several different projects and their scopes (ranging from topics such as a rich text chat, an ssh client, a password manager, etc.), we decided as a group to build a file sharing program. We are aiming to have our file share program use peer-to-peer connections, but are interested in building one with a server between clients if we can fit it within the scope of the semester. Here are some features we would like to include:

- Checksum verification
- Encryption
- Accounting for packet loss

As for the programming language we intend on using, we've decided that Java will probably be our best option. Since the focus of the project is more on having a secure application, using a managed language like Java versus a language like C++ makes more sense in order to accomplish this.

Additionally, we are discussing whether or not we should design the program as a console application or with a GUI interface. Most likely what will happen is we will set up the initial program without much of a GUI interface, and then if we have time/feel it is within the scope of the project, we'll perhaps go in and implement the GUI elements.