CMPT 220 : Proposal

Large Scale File Compression and Encryption:

Project proposal consists of compressing multiple files. In this context, the user has a large collection of files to be compressed, rather than compress an individual file, the program will compress multiple files at once for convenience.

The User will navigate through local directories using a Java based GUI. This will allow for ease of access and use. The User can then select multiple files, compress them, and have the files pushed into a new directory that is encrypted. The User would have use for the proposed application if security is a priority.

With an executable, the program will prompt the user with two requests. The first being the file(s) that will be compressed, the second asking for a location to place them. Finally, the program will encrypt the ZIP (compressed) file. The entire process should take mere seconds.

Another proposed feature, though not required, is to password protection. Though encryption is more than enough, if a User is extremely worried about privacy (and doesn't care about redundancy), the program can incorporate password protection through the use of an external library to help facilitate the request. The purpose is to keep data discrete and private even on a public server or computer.