Jack Hueber

4/5/17

Professor Arias

Milestone

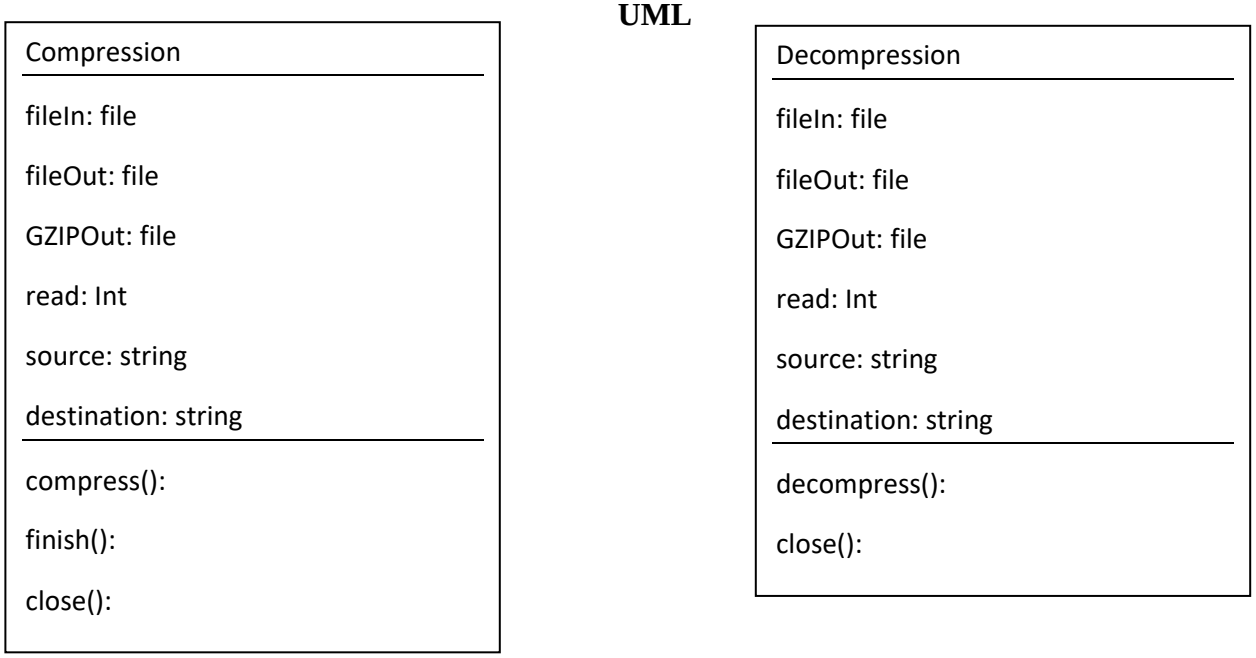
Abstract

For my final project, I am creating a compression and decompression application that can be used through Eclipse to compress any file including images and possibly other types of media. This program will take in any file that you want to compress, compress it, and delete the original so that you are only left with the compressed version of the file and it will be able to be decompressed through the program later if the user would like to.

Introduction

The motivation behind this project is to create a program that will help users “declutter” their drives and clear up space on the desktop and have all the files neatly compressed into one location so that they can find the user can decompress them for viewing at any time. The reason I have taken interest into creating this program is because clutter and disorganization on computers bothers me and I think that compressing files until you need to use them is a good alternative to having them take up space on the computer.

UML



Requirements

The problem addressed by this program is that it will be used regularly to organize your computer and files in a neat and storage efficient way. It will also provide one folder for all files to be compressed into so that the user will not need to spend time looking for files again. When the user decompresses the files they will also be deleted and moved into a separate file for decompressed files.

Other Works

Other programs that this one is similar to are any other type of zip file compression application. One other problem that makes my program different is that it will have only one set folder for all the compressed files and have them stored in alphabetical order so that when users want to look for the compressed files they know exactly where they are. It also has the capability to decompress files using the same program.

Manual

This program's manual is just the console asking for the user input for the file and pathway of the file so that the program can take it in and compress it, it will then ask for the users name and name of the new file for it to be stored in another folder. This will work the same for the decompression part of the program.

Conclusion

In conclusion, this program will solve the problem of used up storage space and will help to declutter the user's computer while also storing all the compressed files in one easy to find area. It will also provide the user the same steps to decompress the file as well.

References

Oracle, "Compressing and Decompressing Data Using Java APIs,"

http://www.oracle.com/technetwork/articles/java/compress-1565076.html

This Could Be Better, "Compressing and Uncompressing Data in Java Using Zlib,"

https://thiscouldbebetter.wordpress.com/2011/08/26/compressing-and-uncompressing-data-in-java-using-zlib/