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Professor Arias

Software Development I

Proposal

For my final project I decided I will be creating a file encryption program. I chose this because I have been highly interested in cyber security and this is something that deals with the security of files. I also want to do my project on this because it is extremely important to our society today. It helps us keep our secrets private and our valuables secured like our credit cards and identification. It is also imperative for our country on keeping highly classified info in the right hands.

File encryption is basically an invisible shield on data and files so that they can not be unlocked by unwarranted users given the files are confidential and need to be kept safe. There are two types of encryption one is symmetric key algorithms and the other is asymmetric key algorithms. Symmetric algorithms encrypt using multiple keys while asymmetric algorithms use a singular key over multiple channels. I am leaning more towards doing the asymmetric algorithm because it seems more secure.

Throughout my project I wish to keep my code clear and understandable and not jumbled. I hope to overcome my obstacles as quickly as possible to make sure that my code performs and runs correctly and efficiently. Most of all I hope to learn more through research and the creation of this program about encryption and how important it is to have. After looking into it for a little bit it seems very important for everyone to have, and me creating my own will show me the best way to go about protecting myself in the future.