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Exercise 1: Project Proposal

Computer Science III: Software Engineering

After searching through github and sourceforge, I came across one bit of source code that would suffice as an interesting and somewhat easy to implement project: a password manager. This password manager stores and encrypts passwords and stratifies them based on what application they are used with. I also noticed that it had a random password generator with many options working to refine the output; this might be a challenge to design and implement. One’s inability to keep track of the myriad passwords in use for various applications is problematic, but I believe this program would function as a password “dictionary” of sorts: when logging into a specific application, one must look no further than this password utility to retrieve the password in question. If the project is completed satisfactorily, I think that there may be a possibility to further refine the code for use in a mobile environment.