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CMPT 220 Software Development 1

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September 22 2016

Application Project: Strong Password Generator (SPG version 1)

I plan to create an application using my coding skills of Java that will be used to generate strong and secure passwords in an easy and convenient manor. My application will consist of asking for user input based on questions that will be asked in order to output a password that will be easy to remember for the user. This application will basically generate a randomized password based off of information given from the user in order to make it complex but also memorable as well.

The goal of this application project will be to minimize effort put in by users when having to come up with a new password from scratch. It will be useful because nowadays people are constantly having to come up with new passwords for creating new accounts online, especially because of how many services are now provided off of the internet. It will also be useful when you need to update old passwords for whatever reason necessary, such as yearly password resets. In some cases, you cannot use old passwords after having reset them, so instead of having to put the time into coming up with a new clever password, you can use this application to take care of the heavy lifting for you.

This application would be a huge contribution towards your overall security level, specifically in the user's accounts, such as Facebook, Instagram, Email, and even school accounts. Rather, than using the same password for most of your accounts, including online banking, email, and even iCloud, most of which contains pretty personal information that most people wouldn't want anyone else to see. You can conveniently generate new and unique

passwords for each account, which will be much harder to hack into over having multiple accounts that all use the same password and most likely even usernames too. It is important to secure all your private information as much as possibly because if you don't you will end up being vulnerable, and what better way to decrease your vulnerability than by using an application to do it for you. I believe this application could be widely used by others and would be on the popular end of the spectrum of downloading applications. This is why I believe that this application for generating random passwords would be a good idea for my semester project.