

Ian Bette

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Software Development 1

Password Strength Detector

The project that I would like to do is a Password strength detector. I think this is a very cool and interesting topic to work on, and I would really like to see how i could make the password selection even stronger and safer by excluding certain words and phrases like “PASSWORD” and other super common passwords that are counted as safe but are very vulnerable. I would like to make a program that checks the user's input of a “Password” and decides whether or not that this input was a strong password or not. The program determines that the password has to include at least one capital letter, at least one number, a certain length, maybe around 8 or more characters for it to be considered a “Strong” password. This seemed a little too easy for when I was thinking of an idea, so the other idea I had was to have the user enter in answers about their personal life, like dog name or family name, so that when the program runs it can look for those things the user entered in its password and then tell the user that it is not a strong password because it can be easy to replicate a password with information that is super easy for the user to remember. This could also work with numbers like birthdays or address numbers in the password. I would also like to exclude any of the very vulnerable passwords like, “123456” “password”, “qwerty”, and “baseball” (<http://splashdata.com/blog/>) which are some of the top 10 most used passwords of 2016. In conclusion, this is my proposal for a program that can help users make an extremely save and secure password that can help prevent the user from getting attacked from any for of outside forces or attackers.