

Assignment 2

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정영준

Why security system is important? Security system has become essential parts of life. We enter id & password to login, patterns for getting authorization to use our cellphones. But it's not enough. We should make secure systems more usable. A lot of people chose weak password because they don't want to forget it. So, password policy let our passwords contain a special symbol. But over 70% men use "!, @, \$, #, *" for satisfying password policy. Password policy can increase password entropy, but advanced hybrid attacks can still crack such passwords offline. Android patterns pattern style password is highly guessable. The guessing entropy of user-chosen patterns is lower than Random 4-digit PINs. Changing Android pattern's grid out can't help this problem. Can we make systems usable and secure? Many people believe there exits a tradeoff between security and usability. We should select algorithms to satisfy these two rabbits. In papers: "I'm too busy to reset my Linkedin password: On the effectiveness of password reset emails", CHI 2017. Only about 46% of users reset their password. And the mean time taken to reset password was 26.3 days. Minimizing user decision is very important for usable secure systems. Like Apple's touch ID, interfaces should be designed to minimize the effort needed to accomplish security tasks.