











The Present Study The purpose of this study is to examine how users' performance is affected by the degree of password restrictions. The study used an existing authentication system called Trinity, that allows restrictions on acceptable passwords to be varied in degree from a minimum criterion (easy) to

• 24 undergraduate students participated in this experiment.

a maximum criterion (difficult).

*Methods*Each participant received two task conditions, easy and difficult, with the order of the task conditions counterbalanced across participants.
For each task condition, one generating trial and five login trials were given to each participant. The time (in seconds) and number of errors they made were measured for each trial.
Between each trial, participants read rapidly presented words for 30 seconds in order to prevent rehearsal of the password they generated.
At the end of the experiment, participants rated the difficulty of generating and remembering the password for each task condition.

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Password Used			
Subject #	Easy Condition	Difficult Condition	
1	megan	Rocket3	
2	final	Maestro7	
3	password	Quasney1	
4	dragon	Davion2	
5	seger	1Time	
6	dogwood	Squeak24	
7	fifth	Asd1n	
8	jacob33	Ryan525	
9	doggy	Dogie7	
10	hands	Lester5	
11	drummer	1candyG	
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12	666girly	6aGirl
13	271toaster	271Toast
14	meijer	Fender8
15	pusher9	Noland8
16	miles	Mito1
17	anarchy	Total1
18	goette	abcd4E
19	corona	April1
20	mikey	Dra4230
21	kishm	Love5
22	mike2	recoN23
23	chewy	Chewy3
24	jjjjj	boscO9





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