

Group 16

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Python Group Project

Password Generator

Domain: User Information Security

Problems solved by this project:

This project will help generate unique passwords for users to fulfill specific criteria as given by their requirements. Instead of using commonly guessed passwords as birthdays, names of pets, partners or parents or other commonly used passwords. This will help add a level of complexity & sophistication to their passwords.

Functionalities:

Users will be given a list of constraints that are commonly used to make passwords more secure. Upon selecting as many of the constraints applicable, the program will generate a unique & highly secure password that will not be easily guessed.

Users of this project:

This program can be used by anyone who requires a password for their accounts, devices etc.

Improvement of the process by this project:

This program will help create highly secure passwords that are unrelated to the users profile and cannot be guessed or accessed by social engineering attacks.