CS384 2024 Lab 6 - July Dec 2024

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Part 1: Password Validator with Skip from user input

Password Validator with Skip: Write a Python program that checks a list of passwords using the criteria. All password should be min 8 length else its always invalid. First ask the user for the criteria it wants to check. These are four criteria:

Uppercase letters (A-Z)
Lowercase letters (a-z)
Numbers (0-9)
Special characters (!, @, #) [Only 3 characters allowed]

Lets say, user will select: 1, 3, 4 so that means all the passwords should match criteria 1, 3, 4. Its AND clause. So criteria 1 & 3 & 4 should be matched.

If user will select: 1, 2, 3, 4 so that means all the passwords should match criteria 1, 2, 3, 4. If a password has a length less than 8, use pass to proceed without any validation and notify the user about the password length issue.

Example:

password_list = [
"abc12345", # Invalid password. Special characters missing
"abc", # Invalid password. Less than 8 Characters. Missing Special characters, Uppercase letters, Numbers
"123456789", # Invalid password. Missing Special characters, Uppercase letters, lowercase letters
"abcdefg$", # Invalid password. Missing Uppercase letters, Numbers
"abcdefgABHD!@313", # Valid password.
"abcdefgABHD$$!@313", # Invalid password. It contains $ which is not allowed.
]

Take input from user.