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CSD 325-T301 2.2 Assignment

Below is the code I’ve wrote in CIS 245:

<script>

def main():

#promt the file number.

filename = input("Enter the file name: ")

filename = filename + ".txt"

user='y'

security\_commands = ['rm', 'cp', 'mv', 'ls', 'pwd', 'cd', 'mkdir', 'cat', 'cat\_dir', 'exit']

#open the file as write mode.

with open(filename, 'w') as infile:

while user == 'y' or user == 'Y':

#Get the users information

print('Enter the following data:')

#input validation for first name

first\_name = input('First name: ')

while not first\_name.isalpha() or any(command in first\_name for command in security\_commands):

if not first\_name.isalpha():

print("Invalid input. Please enter only alphabetic characters")

elif any(command in first\_name for command in security\_commands):

print("Input contains potential security commands. Please reenter.")

first\_name = input('First name: ')

#input validation for last name

last\_name = input('Last name: ')

while not last\_name.isalpha() or any(command in last\_name for command in security\_commands):

if not last\_name.isalpha():

print("Invalid input. Please enter only alphabetic characters")

elif any(command in last\_name for command in security\_commands):

print("Input contains potential security commands. Please reenter.")

last\_name = input('Last name: ')

print("Invalid input. Please enter only alphabetic characters")

last\_name = input('Last name: ')

#input validation for address

street\_address = input('Street address: ')

while any(command in street\_address for command in security\_commands):

print("Input contains potential security commands. please reenter.")

street\_address = input('Street address: ')

#input validation for phone number

phone\_number = input('Phone number: ')

while not phone\_number.isdigit() or any(command in phone\_number for command in security\_commands):

if not phone\_number.isdigit():

print("Invalid input. Please enter only numeric characters")

elif any(command in phone\_number for command in security\_commands):

print("Input contains potential security commands. Please reenter.")

phone\_number = input('Phone number: ')

#write the data to the file.

infile.write(f'{first\_name}, {last\_name}, {street\_address}, {phone\_number}')

print("Do you want to add another user's information?")

user = input("Enter 'Y' for yes, else = no: ")

print("Data appended to the file.")

with open(filename, 'r') as outfile:

line = outfile.readline()

print(line)

if \_\_name\_\_ == "\_\_main\_\_":

main()

<script/>

Below is the flowchart:

A diagram of a company

Description automatically generated

Below is the screenshot of how I am debugging the function:

A screen shot of a computer program

Description automatically generated

Below is the screenshot of how I am debugging the function when I remove the colon from the while loop:

A screenshot of a computer program

Description automatically generated