import os

import msvcrt as m

import datetime

Passenger = "Passenger.txt"

class Transport:

def \_\_init\_\_(self, transport\_id):

self.transport\_id = transport\_id

self.passengers = []

transport = Transport("|Bus-001|")

def age\_1():

while True:

try:

age = input("Enter Age: ")

if age.isalpha():

print("Invalid")

else:

age = int(age)

return age

except ValueError:

print("invalid")

def contact\_info():

while True:

try:

contact\_number = input("Enter Family Number: ")

if contact\_number.isalpha():

print("Invalid")

else:

contact = int(contact\_number)

return contact\_number

except ValueError:

print("invalid")

def add\_passenger():

name = input("Enter passenger name: ")

date = datetime.datetime.now().strftime("%d-%m-%Y , %H:%M:%S")

contact\_number = contact\_info()

age = age\_1()

gender = input("Enter Gender [M. Male] [F. Female] [O. Other gender]: ").upper()

if gender == 'M':

gender = "Male"

elif gender == 'F':

gender = "Female"

elif gender == ("O"):

enter = input("Other Gender: ")

gender = enter

else:

print("Invalid Choice...")

m.getch()

with open(Passenger, 'a') as file:

file.write(f"{name}|{date}|{contact\_number}|{age}|{gender}\n")

print("Add successfully..")

def View\_passenger():

if not os.path.exists(Passenger):

print("No Passenger..")

input("Press enter to continue...")

return

with open(Passenger, 'r') as file:

Passenger\_list = file.readlines()

if not Passenger\_list:

print("No Passenger..")

input("Press enter to continue...")

return

for i, line in enumerate(Passenger\_list):

name, date, contact\_number,age,gender = line.strip().split('|')

print(f"{i + 1}. Name: {name} Date: {date} Contact Number: {contact\_number} Age: {age} Gender: {gender}")

m.getch()

def remove\_passenger():

if not os.path.exists(Passenger):

print("No Passenger..")

input("Press enter to continue...")

return

with open(Passenger, 'r') as file:

Passenger\_list = file.readlines()

if not Passenger\_list:

print("No Passenger..")

input("Press enter to continue...")

return

for i, line in enumerate(Passenger\_list):

name, date, contact\_number,age,gender = line.strip().split('|')

print(f"{i + 1}. Name: {name} Date: {date} Contact Number: {contact\_number} Age: {age} Gender: {gender}")

m.getch()

try:

remove = int(input("Enter the number to delete passenger / input 0 to exit: ")) -1

if remove == -1:

print("Exiting...")

print("Press enter to continue...")

m.getch()

elif 0 <= remove <len(Passenger\_list):

del Passenger\_list[remove]

with open(Passenger, 'w') as file:

file.writelines(Passenger\_list)

print("\n")

print("Passenger remove successfully!")

m.getch()

else:

print(" Invalid choice...")

m.getch()

except ValueError:

print("Invalid chouce...")

m.getch()

while True:

os.system('cls')

print("------------------------")

print('{:^143}'.format(f"{transport.transport\_id}"))

print("------------------------")

print('{:>78}'.format("[1] Add Passenger"))

print('{:>83}'.format("[2] Get Passenger List"))

print('{:>81}'.format("[3] Remove Passenger"))

print('{:>69}'.format("[4] Exit"))

print("------------------------")

choice = input('{:>80}'.format("Choose an option: "))

if choice == "1":

os.system('cls')

add\_passenger()

elif choice == "2":

os.system('cls')

View\_passenger()

elif choice == "3":

os.system('cls')

remove\_passenger()

elif choice == "4":

os.system('cls')

print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

print("Thank you for using the program!")

print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

m.getch()

break

else:

print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

print("Invalid option. Please choose again.")

m.getch()