**19CSE100- CASE STUDY PROJECT**

**13.FOOD ORDERING SYSTEM**

**ALGORITHM**

**GIVEN MODULE WISE**

**1.ACCOUNT**

def account(arr1, arr2, arrlen):

chk = 1

i = 0

b = 0

a = 0

print("CUSTOMER" + chr(13) + "===========" + chr(13) + "1. LOGIN (already a user ?)" + chr(13) + "2. SIGN UP (new user ?)")

login = int(input())

while login != 1 and login != 2:

print("PLEASE enter a VALID option")

login = int(input())

if login == 1:

if i == 0:

print("THERE ARE NO REGISTERED ACCOUNTS")

main()

print("LOGIN" + chr(13) + "======")

while True: #This simulates a Do Loop

if b == -1:

print("ENTER A VALID USERNAME AND PASSWORD :")

print("ENTER YOUR USERNAME :")

u = input()

for j in range(0, arrlen - 1 + 1, 1):

if arr1[j] == u:

a = -1

if a != -1:

print("ENTER A VALID USERNAME")

print("ENTER YOUR PASSWORD :")

pwd = input()

for j in range(0, arrlen - 1 + 1, 1):

if arr1[j] == u:

if arr2[j] == pwd:

print("YOU have SUUCESSFULLY LOGGED in")

b = 0

else:

print("USERNAME and PASSWORD does NOT match")

b = -1

if b == -1:

a = -1

if not(b == -1): break #Exit loop

else:

print("SIGN UP" + chr(13) + "======")

print("ENTER YOUR USERNAME :")

arr1[i] = input()

while True: #This simulates a Do Loop

print("enter valid age")

age = int(input())

if not(age <= 0): break #Exit loop

while True: #This simulates a Do Loop

print("enter valid email address")

mail = input()

k = 0

while k < len(mail):

if mail[k] == "@":

chk = 0

k = k + 1

if not(len(mail) <= 5 or chk == 1): break #Exit loop

while True: #This simulates a Do Loop

print("ENTER YOUR PASSWORD :")

arr2[i] = input()

if not(len(arr2[i]) <= 8 or len(arr2[i]) >= 12): break #Exit loop

while True: #This simulates a Do Loop

print("RE-ENTER YOUR PASSWORD :")

pwd1 = input()

if not(pwd1 != arr2[i]): break #Exit loop

fLAG = 0

while True: #This simulates a Do Loop

print("ENTER MOBILE NUMBER")

mobile = input()

for i in range(0, len(mobile) - 1 + 1, 1):

if mobile[i] >= chr(48) or mobile[i] <= chr(57):

fLAG = 1

if not(fLAG == 0 or len(mobile) != 10): break #Exit loop

i = i + 1

print("ACCOUNT CREATED SUCCESFULLY")

**2.ADMIN**

def admin(dishc1, dishc2, dishc3, dishc4, hotelc1, hotelc2, hotelc3, hotelc4, qtyc1, qtyc2, qtyc3, qtyc4, dishlenc1, dishlenc2, dishlenc3, dishlenc4, hotellenc1, hotellenc2, hotellenc3, hotellenc4, itemcostc1, itemcostc2, itemcostc3, itemcostc4, customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen):

print("ADMIN" + chr(13) + "=======" + chr(13) + "1.ALTER FOOD DETAILS" + chr(13) + "2.ALTER HOTEL DETAILS")

alter = int(input())

if alter == 1:

alterfooddetails(dishc1, dishc2, dishc3, dishc4, hotelc1, hotelc2, hotelc3, hotelc4, dishlenc1, dishlenc2, dishlenc3, dishlenc4, hotellenc1, hotellenc2, hotellenc3, hotellenc4, itemcostc1, itemcostc2, itemcostc3, itemcostc4)

else:

if alter == 2:

alterhoteldetails(dishc1, dishc2, dishc3, dishc4, hotelc1, hotelc2, hotelc3, hotelc4, dishlenc1, dishlenc2, dishlenc3, dishlenc4, hotellenc1, hotellenc2, hotellenc3, hotellenc4, itemcostc1, itemcostc2, itemcostc3, itemcostc4)

else:

print("NOT FOUND")

**3. Alter food details**

def alterfooddetails(dishc1, dishc2, dishc3, dishc4, hotelc1, hotelc2, hotelc3, hotelc4, dishlenc1, dishlenc2, dishlenc3, dishlenc4, hotellenc1, hotellenc2, hotellenc3, hotellenc4, itemcostc1, itemcostc2, itemcostc3, itemcostc4):

s = 1

while True: #This simulates a Do Loop

print("1.add" + chr(13) + "2.alter" + chr(13) + "3.delete")

choice = int(input())

if choice == 1:

while True: #This simulates a Do Loop

print("enter to which cuisine you want to add", end='', flush=True)

print(chr(13) + "1.South Indian" + chr(13) + "2.North India" + chr(13) + "3.Chinese or Italian" + chr(13) + "4.Fast foods and beverages")

i = int(input())

if not(i <= 0 or i > 4): break #Exit loop

if i == 1:

if dishc1[dishlenc1 - 1] == " ":

print("enter name of dish item")

dishname = input()

while True: #This simulates a Do Loop

print("enter cost of dish")

cost = float(input())

if not(cost == 0): break #Exit loop

j = 0

for i in range(0, dishlenc1 - 1 + 1, 1):

if dishc1[i] != " ":

j = i

dishc1[j + 1] = dishname

itemcostc1[j + 1] = cost

else:

print("stack overflow")

else:

if i == 2:

if dishc2[dishlenc2 - 1] == " ":

print("enter name of dish item")

dishname = input()

while True: #This simulates a Do Loop

print("enter cost of dish")

cost = float(input())

if not(cost == 0): break #Exit loop

j = 0

for i in range(0, dishlenc2 - 1 + 1, 1):

if dishc2[i] != " ":

j = i

dishc2[j + 1] = dishname

itemcostc2[j + 1] = cost

else:

print("stack overflow")

else:

if i == 3:

if dishc3[dishlenc3 - 1] == " ":

print("enter name of dish item")

dishname = input()

while True: #This simulates a Do Loop

print("enter cost of dish")

cost = float(input())

if not(cost == 0): break #Exit loop

j = 0

for i in range(0, dishlenc3 - 1 + 1, 1):

if dishc3[i] != " ":

j = i

dishc3[j + 1] = dishname

itemcostc3[j + 1] = cost

else:

print("stack overflow")

else:

if i == 4:

if dishc4[dishlenc4 - 1] == " ":

print("enter name of dish item")

dishname = input()

while True: #This simulates a Do Loop

print("enter cost of dish")

cost = float(input())

if not(cost == 0): break #Exit loop

j = 0

for i in range(0, dishlenc4 - 1 + 1, 1):

if dishc4[i] != " ":

j = i

dishc4[j + 1] = dishname

itemcostc4[j + 1] = cost

else:

print("stack overflow")

print("ADDED SUCCESSFULL :)")

else:

if choice == 2:

while True: #This simulates a Do Loop

print("enter to which cuisine you want to edit", end='', flush=True)

print(chr(13) + "1.South Indian" + chr(13) + "2.North India" + chr(13) + "3.Chinese or Italian" + chr(13) + "4.Fast foods and beverages")

i = int(input())

if not(i <= 0 or i > 4): break #Exit loop

if i == 1:

i = 0

while i < dishlenc1 and s == 1:

if dishc1[i] == " ":

s = 0

else:

print(str(i + 1) + "." + dishc1[i] + "......Rs" + str(itemcostc1[i]))

i = i + 1

while True: #This simulates a Do Loop

print("enter dish number to edit")

i = int(input())

if not(i <= 0 or i > dishlenc1): break #Exit loop

i = i - 1

while True: #This simulates a Do Loop

print("what would you like to edit 1.name 2.cost")

ch = int(input())

if ch == 1:

print("enter number to edit")

j = int(input())

j = j - 1

print("enter new name")

dishname = input()

dishc1[j] = dishname

else:

if ch == 2:

print("enter number to edit")

j = int(input())

j = j - 1

print("enter new cost")

cost = float(input())

itemcostc1[j] = cost

if not(ch < 1 or ch > 2): break #Exit loop

else:

if i == 2:

i = 0

while i < dishlenc2 and s == 1:

if dishc2[i] == " ":

s = 0

else:

print(str(i + 1) + "." + dishc2[i] + "......Rs" + str(itemcostc2[i]))

i = i + 1

while True: #This simulates a Do Loop

print("enter dish number to edit")

i = int(input())

if not(i <= 0 or i > dishlenc2): break #Exit loop

i = i - 1

while True: #This simulates a Do Loop

print("what would you like to edit 1.name 2.cost")

ch = int(input())

if ch == 1:

print("enter number to edit")

j = int(input())

j = j - 1

print("enter new name")

dishname = input()

dishc2[j] = dishname

else:

if ch == 2:

print("enter number to edit")

j = int(input())

j = j - 1

print("enter new cost")

cost = float(input())

itemcostc2[j] = cost

if not(ch < 1 or ch > 2): break #Exit loop

else:

if i == 3:

i = 0

while i < dishlenc3 and s == 1:

if dishc3[i] == " ":

s = 0

else:

print(str(i + 1) + "." + dishc3[i] + "......Rs" + str(itemcostc3[i]))

i = i + 1

while True: #This simulates a Do Loop

print("enter dish number to edit")

i = int(input())

if not(i <= 0 or i > dishlenc3): break #Exit loop

i = i - 1

while True: #This simulates a Do Loop

print("what would you like to edit 1.name 2.cost")

ch = int(input())

if ch == 1:

print("enter number to edit")

j = int(input())

j = j - 1

print("enter new name")

dishname = input()

dishc3[j] = dishname

else:

if ch == 2:

print("enter number to edit")

j = int(input())

j = j - 1

print("enter new cost")

cost = float(input())

itemcostc3[j] = cost

if not(ch < 1 or ch > 2): break #Exit loop

else:

if i == 4:

i = 0

while i < dishlenc4 and s == 1:

if dishc4[i] == " ":

s = 0

else:

print(str(i + 1) + "." + dishc4[i] + "......Rs" + str(itemcostc4[i]))

i = i + 1

while True: #This simulates a Do Loop

print("enter dish number to edit")

i = int(input())

if not(i <= 0 or i > dishlenc4): break #Exit loop

i = i - 1

while True: #This simulates a Do Loop

print("what would you like to edit 1.name 2.cost")

ch = int(input())

if ch == 1:

print("enter number to edit")

j = int(input())

j = j - 1

print("enter new name")

dishname = input()

dishc4[j] = dishname

else:

if ch == 2:

print("enter number to edit")

j = int(input())

j = j - 1

print("enter new cost")

cost = float(input())

itemcostc4[j] = cost

if not(ch < 1 or ch > 2): break #Exit loop

print("ALTERED SUCCESSFULLY :)")

else:

if choice == 3:

while True: #This simulates a Do Loop

print("enter to which cuisine you want to add", end='', flush=True)

print(chr(13) + "1.South Indian" + chr(13) + "2.North India" + chr(13) + "3.Chinese or Italian" + chr(13) + "4.Fast foods and beverages")

i = int(input())

if not(i <= 0 or i > 4): break #Exit loop

if i == 1:

i = 0

while i < dishlenc1 and s == 1:

if dishc1[i] == " ":

s = 0

else:

print(str(i + 1) + "." + dishc1[i] + "......Rs" + str(itemcostc1[i]))

i = i + 1

while True: #This simulates a Do Loop

print("enter number to delete")

i = int(input())

if not(i < 1 or i > dishlenc1): break #Exit loop

i = i - 1

for j in range(i + 1, dishlenc1 - 1 + 1, 1):

dishc1[j - 1] = dishc1[j]

itemcostc1[j - 1] = itemcostc1[j]

dishc1[dishlenc1 - 1] = " "

itemcostc1[dishlenc1 - 1] = 0.0

else:

if i == 2:

i = 0

while i < dishlenc2 and s == 1:

if dishc2[i] == " ":

s = 0

else:

print(str(i + 1) + "." + dishc2[i] + "......Rs" + str(itemcostc2[i]))

i = i + 1

while True: #This simulates a Do Loop

print("enter number to delete")

i = int(input())

if not(i < 1 or i > dishlenc2): break #Exit loop

i = i - 1

for j in range(i + 1, dishlenc2 - 1 + 1, 1):

dishc2[j - 1] = dishc2[j]

itemcostc2[j - 1] = itemcostc2[j]

dishc2[dishlenc2 - 1] = " "

itemcostc2[dishlenc2 - 1] = 0.0

else:

if i == 3:

i = 0

while i < dishlenc3 and s == 1:

if dishc3[i] == " ":

s = 0

else:

print(str(i + 1) + "." + dishc3[i] + "......Rs" + str(itemcostc3[i]))

i = i + 1

while True: #This simulates a Do Loop

print("enter number to delete")

i = int(input())

if not(i < 1 or i > dishlenc3): break #Exit loop

i = i - 1

for j in range(i + 1, dishlenc3 - 1 + 1, 1):

dishc3[j - 1] = dishc3[j]

itemcostc3[j - 1] = itemcostc3[j]

dishc3[dishlenc3 - 1] = " "

itemcostc3[dishlenc3 - 1] = 0.0

else:

if i == 4:

i = 0

while i < dishlenc4 and s == 1:

if dishc4[i] == " ":

s = 0

else:

print(str(i + 1) + "." + dishc4[i] + "......Rs" + str(itemcostc4[i]))

i = i + 1

while True: #This simulates a Do Loop

print("enter number to delete")

i = int(input())

if not(i < 1 or i > dishlenc4): break #Exit loop

i = i - 1

for j in range(i + 1, dishlenc4 - 1 + 1, 1):

dishc4[j - 1] = dishc4[j]

itemcostc4[j - 1] = itemcostc4[j]

dishc4[dishlenc4 - 1] = " "

itemcostc4[dishlenc4 - 1] = 0.0

print("DELETED SUCCESSFULLY :)")

if not(choice <= 0 or choice > 3): break #Exit loop

**4.Alter hotel details**

def alterhoteldetails(dishc1, dishc2, dishc3, dishc4, hotelc1, hotelc2, hotelc3, hotelc4, dishlenc1, dishlenc2, dishlenc3, dishlenc4, hotellenc1, hotellenc2, hotellenc3, hotellenc4, itemcostc1, itemcostc2, itemcostc3, itemcostc4):

cuisine = 0

s = 1

while True: #This simulates a Do Loop

while True: #This simulates a Do Loop

print("enter option 1.add 2.alter 3.delete")

choice = int(input())

if not(choice < 1 or choice > 3): break #Exit loop

print(" Types of hotels available are" + chr(13) + "1.South Indian hotel" + chr(13) + "2.North Indian Resaurant" + chr(13) + "3.Chopsticks" + chr(13) + "4.ZZ Fast foods")

if choice == 1:

while True: #This simulates a Do Loop

choice = int(input())

if not(choice <= 0 or choice > 4): break #Exit loop

if choice == 1:

if hotelc1[hotellenc1 - 1] == " ":

print("enter new name ")

hotelname = input()

pos = 0

for i in range(0, hotellenc1 - 1 + 1, 1):

if hotelc1[i] != " ":

pos = i

hotelc1[pos] = hotelname

else:

print("stack overflow")

else:

if choice == 2:

if hotelc2[hotellenc2 - 1] == " ":

print("enter new name ")

hotelname = input()

pos = 0

for i in range(0, hotellenc2 - 1 + 1, 1):

if hotelc2[i] != " ":

pos = i

hotelc2[pos] = hotelname

else:

print("stack overflow")

else:

if choice == 3:

if hotelc3[hotellenc3 - 1] == " ":

print("enter new name ")

hotelname = input()

pos = 0

for i in range(0, hotellenc3 - 1 + 1, 1):

if hotelc3[i] != " ":

pos = i

hotelc3[pos] = hotelname

else:

print("stack overflow")

else:

if choice == 4:

if hotelc4[hotellenc4 - 1] == " ":

print("enter new name ")

hotelname = input()

pos = 0

for i in range(0, hotellenc4 - 1 + 1, 1):

if hotelc4[i] != " ":

pos = i

hotelc4[pos] = hotelname

else:

print("stack overflow")

print("ADDED SUCCESSFULLY :)")

else:

if choice == 2:

while True: #This simulates a Do Loop

choice = int(input())

if not(choice <= 0 or choice > 4): break #Exit loop

if choice == 1:

i = 0

while i < hotellenc1 and s == 1:

if hotelc1[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc1[i])

i = i + 1

print("enter number to alter")

while True: #This simulates a Do Loop

j = int(input())

if not(str(j <= 0) + str(j > hotellenc1)): break #Exit loop

print("enter new name for hotel")

hotelname = input()

hotelc1[j - 1] = hotelname

else:

if choice == 2:

i = 0

while i < hotellenc2 and s == 1:

if hotelc2[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc2[i])

i = i + 1

print("enter number to alter")

while True: #This simulates a Do Loop

j = int(input())

if not(str(j <= 0) + str(j > hotellenc2)): break #Exit loop

print("enter new name for hotel")

hotelname = input()

hotelc2[j - 1] = hotelname

else:

if choice == 3:

i = 0

while i < hotellenc3 and s == 1:

if hotelc3[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc3[i])

i = i + 1

print("enter number to alter")

while True: #This simulates a Do Loop

j = int(input())

if not(str(j <= 0) + str(j > hotellenc3)): break #Exit loop

print("enter new name for hotel")

hotelname = input()

hotelc3[j - 1] = hotelname

else:

if choice == 4:

i = 0

while i < hotellenc4 and s == 1:

if hotelc4[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc4[i])

i = i + 1

print("enter number to alter")

while True: #This simulates a Do Loop

j = int(input())

if not(str(j <= 0) + str(j > hotellenc4)): break #Exit loop

print("enter new name for hotel")

hotelname = input()

hotelc4[j - 1] = hotelname

print("ALTERED SUCCESSFULLY :)")

else:

if choice == 3:

while True: #This simulates a Do Loop

choice = int(input())

if not(choice <= 0 or choice > 4): break #Exit loop

if choice == 1:

if hotelc1[0] != " ":

i = 0

while i < hotellenc1 and s == 1:

if hotelc1[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc1[i])

i = i + 1

print("enter number to delete")

while True: #This simulates a Do Loop

j = int(input())

if not(j <= 0 and j > hotellenc1): break #Exit loop

j = j - 1

for i in range(j + 1, hotellenc1 - 1 + 1, 1):

hotelc1[i - 1] = hotelc1[i]

hotelc1[hotellenc1 - 1] = " "

else:

print("no hotels found")

else:

if choice == 2:

if hotelc2[0] != " ":

i = 0

while i < hotellenc2 and s == 1:

if hotelc2[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc2[i])

i = i + 1

print("enter number to delete")

while True: #This simulates a Do Loop

j = int(input())

if not(j <= 0 and j > hotellenc2): break #Exit loop

j = j - 1

for i in range(j + 1, hotellenc2 - 1 + 1, 1):

hotelc2[i - 1] = hotelc2[i]

hotelc2[hotellenc2 - 1] = " "

else:

print("no hotels found")

else:

if choice == 3:

if hotelc3[0] != " ":

i = 0

while i < hotellenc3 and s == 1:

if hotelc3[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc3[i])

i = i + 1

print("enter number to delete")

while True: #This simulates a Do Loop

j = int(input())

if not(j <= 0 and j > hotellenc3): break #Exit loop

j = j - 1

for i in range(j + 1, hotellenc3 - 1 + 1, 1):

hotelc3[i - 1] = hotelc3[i]

hotelc3[hotellenc3 - 1] = " "

else:

print("no hotels found")

else:

if choice == 4:

if hotelc4[0] != " ":

i = 0

while i < hotellenc4 and s == 1:

if hotelc4[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc4[i])

i = i + 1

print("enter number to delete")

while True: #This simulates a Do Loop

j = int(input())

if not(j <= 0 and j > hotellenc4): break #Exit loop

j = j - 1

for i in range(j + 1, hotellenc4 - 1 + 1, 1):

hotelc4[i - 1] = hotelc4[i]

hotelc4[hotellenc4 - 1] = " "

else:

print("no hotels found")

print("DELETED SUCCESSFULLY :)")

if not(cuisine > 4 or cuisine < 0): break #Exit loop

**5.Billing**

def billing(customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen, customerbufferqty, termkey):

total = 0

pos = -1

s = 0

print("=====================BILL=============================" + chr(13) + " s.no | hotelname | foodname | cost | qty | amount")

i = 0

for i in range(0, customerbfrlen + 1, 1):

if customerbuffercost[i] != 0:

pos = i

for i in range(0, pos + 1, 1):

print(str(i + 1) + " . " + customerbufferhotelname[i] + "| " + customerbuffername[i] + "| " + str(customerbuffercost[i]) + "| " + str(customerbufferqty[i]) + "| " + str(customerbuffercost[i] \* customerbufferqty[i]))

total = total + customerbuffercost[i] \* customerbufferqty[i]

while True: #This simulates a Do Loop

print("to place your order press 1 to add items to your cart press 2")

i = int(input())

if not(i <= 0 or i > 2): break #Exit loop

if i == 1:

termkey[0] = 1

else:

termkey[0] = 0

return total

**6.CART**

def cart(hotelname, cost, customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen, dishname, qty):

position = -1

for i in range(0, customerbfrlen - 1 + 1, 1):

if customerbuffercost[i] != 0:

position = i

position = position + 1

customerbufferqty[position] = qty

customerbuffername[position] = dishname

customerbufferamount[position] = qty \* cost

customerbuffercost[position] = cost

customerbufferhotelname[position] = hotelname

**7.SEARCH**

def search(dishc1, dishc2, dishc3, dishc4, hotelc1, hotelc2, hotelc3, hotelc4, qtyc1, qtyc2, qtyc3, qtyc4, dishlenc1, dishlenc2, dishlenc3, dishlenc4, hotellenc1, hotellenc2, hotellenc3, hotellenc4, itemcostc1, itemcostc2, itemcostc3, itemcostc4, customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen):

while True: #This simulates a Do Loop

print("SEARCH BY:" + chr(13) + "1.FOOD" + chr(13) + "2.HOTEL")

print("ENTER A VALID OPTION :")

s = int(input())

if not(s != 1 and s != 2): break #Exit loop

if s == 1:

searchbyfood(dishc1, dishc2, dishc3, dishc4, hotelc1, hotelc2, hotelc3, hotelc4, qtyc1, qtyc2, qtyc3, qtyc4, dishlenc1, dishlenc2, dishlenc3, dishlenc4, hotellenc1, hotellenc2, hotellenc3, hotellenc4, itemcostc1, itemcostc2, itemcostc3, itemcostc4, customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen)

else:

if s == 2:

searchbyhotel(dishc1, dishc2, dishc3, dishc4, hotelc1, hotelc2, hotelc3, hotelc4, qtyc1, qtyc2, qtyc3, qtyc4, dishlenc1, dishlenc2, dishlenc3, dishlenc4, hotellenc1, hotellenc2, hotellenc3, hotellenc4, itemcostc1, itemcostc2, itemcostc3, itemcostc4, customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen)

**8.Search by food**

def searchbyfood(dishc1, dishc2, dishc3, dishc4, hotelc1, hotelc2, hotelc3, hotelc4, qtyc1, qtyc2, qtyc3, qtyc4, dishlenc1, dishlenc2, dishlenc3, dishlenc4, hotellenc1, hotellenc2, hotellenc3, hotellenc4, itemcostc1, itemcostc2, itemcostc3, itemcostc4, customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen):

s = 1

while True: #This simulates a Do Loop

print("Variety of food available are:" + chr(13) + "1.South Indian" + chr(13) + "2.North India" + chr(13) + "3.Chinese or Italian" + chr(13) + "4.Fast foods and beverages")

print("enter valid choice")

cuisine = int(input())

if cuisine == 1:

i = 0

while i < dishlenc1 and s == 1:

if dishc1[i] == " ":

s = 0

else:

print(str(i + 1) + "." + dishc1[i] + "......Rs" + str(itemcostc1[i]))

i = i + 1

while True: #This simulates a Do Loop

print("enter valid choice")

choice = int(input())

if not(choice <= 0 or choice > dishlenc1): break #Exit loop

s = 1

i = 0

while i < hotellenc1 and s == 1:

if hotelc1[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc1[i])

i = i + 1

while True: #This simulates a Do Loop

print("enter hotel number")

i = int(input())

if not(i > hotellenc1 - 1): break #Exit loop

while True: #This simulates a Do Loop

print("enter quantity")

qty = int(input())

if not(qty <= 0): break #Exit loop

qtyc1[choice - 1] = qtyc1[choice - 1] - qty

cart(hotelc1[i - 1], itemcostc1[choice - 1], customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen, dishc1[choice - 1], qty)

else:

if cuisine == 2:

i = 0

while i < dishlenc2 and s == 1:

if dishc2[i] == " ":

s = 0

else:

print(str(i + 1) + "." + dishc2[i] + "......Rs" + str(itemcostc2[i]))

i = i + 1

while True: #This simulates a Do Loop

print("enter valid choice")

choice = int(input())

if not(choice <= 0 or choice > dishlenc2): break #Exit loop

s = 1

i = 0

while i < hotellenc2 and s == 1:

if hotelc2[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc2[i])

i = i + 1

while True: #This simulates a Do Loop

print("enter hotel number")

i = int(input())

if not(i > hotellenc2 - 1): break #Exit loop

while True: #This simulates a Do Loop

print("enter quantity")

qty = int(input())

if not(qty <= 0): break #Exit loop

qtyc2[choice - 1] = qtyc2[choice - 1] - qty

cart(hotelc2[i - 1], itemcostc2[choice - 1], customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen, dishc2[choice - 1], qty)

else:

if cuisine == 3:

i = 0

while i < dishlenc3 and s == 1:

if dishc3[i] == " ":

s = 0

else:

print(str(i + 1) + "." + dishc3[i] + "......Rs" + str(itemcostc3[i]))

i = i + 1

while True: #This simulates a Do Loop

print("enter valid choice")

choice = int(input())

if not(choice <= 0 or choice > dishlenc3): break #Exit loop

s = 1

i = 0

while i < hotellenc3 and s == 1:

if hotelc3[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc3[i])

i = i + 1

while True: #This simulates a Do Loop

print("enter hotel number")

i = int(input())

if not(i > hotellenc3 - 1): break #Exit loop

while True: #This simulates a Do Loop

print("enter quantity")

qty = int(input())

if not(qty <= 0): break #Exit loop

qtyc3[choice - 1] = qtyc3[choice - 1] - qty

cart(hotelc3[i - 1], itemcostc3[choice - 1], customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen, dishc3[choice - 1], qty)

else:

if cuisine == 4:

i = 0

while i < dishlenc4 and s == 1:

if dishc4[i] == " ":

s = 0

else:

print(str(i + 1) + "." + dishc4[i] + "......Rs" + str(itemcostc4[i]))

i = i + 1

while True: #This simulates a Do Loop

print("enter valid choice")

choice = int(input())

if not(choice <= 0 or choice > dishlenc4): break #Exit loop

s = 1

i = 0

while i < hotellenc4 and s == 1:

if hotelc4[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc4[i])

i = i + 1

while True: #This simulates a Do Loop

print("enter hotel number")

i = int(input())

if not(i > hotellenc4 - 1): break #Exit loop

while True: #This simulates a Do Loop

print("enter quantity")

qty = int(input())

if not(qty <= 0): break #Exit loop

qtyc4[choice - 1] = qtyc4[choice - 1] - qty

cart(hotelc4[i - 1], itemcostc4[choice - 1], customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen, dishc4[choice - 1], qty)

if not(cuisine > 4 or cuisine <= 0): break #Exit loop

**9.Search by hotel**

def searchbyhotel(dishc1, dishc2, dishc3, dishc4, hotelc1, hotelc2, hotelc3, hotelc4, qtyc1, qtyc2, qtyc3, qtyc4, dishlenc1, dishlenc2, dishlenc3, dishlenc4, hotellenc1, hotellenc2, hotellenc3, hotellenc4, itemcostc1, itemcostc2, itemcostc3, itemcostc4, customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen):

s = 1

while True: #This simulates a Do Loop

print(" Types of hotels available are" + chr(13) + "1.South Indian hotel" + chr(13) + "2.North Indian Resaurant" + chr(13) + "3.Chopsticks" + chr(13) + "4.ZZ Fast foods")

cuisine = int(input())

if cuisine == 1:

i = 0

while i < hotellenc1 and s == 1:

if hotelc1[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc1[i])

i = i + 1

while True: #This simulates a Do Loop

print("enter hotel number")

i = int(input())

if not(i > hotellenc1): break #Exit loop

s = 1

cuisine = 0

while cuisine < dishlenc1 and s == 1:

if dishc1[cuisine] == " ":

s = 0

else:

print(str(cuisine + 1) + "." + dishc1[cuisine] + "......Rs" + str(itemcostc1[cuisine]))

cuisine = cuisine + 1

while True: #This simulates a Do Loop

print("enter dish number")

choice = int(input())

if not(choice > dishlenc1 - 1): break #Exit loop

while True: #This simulates a Do Loop

print("enter quantity")

qty = int(input())

if not(qty <= 0): break #Exit loop

qtyc1[choice - 1] = qtyc1[choice - 1] - qty

cart(hotelc1[i - 1], itemcostc1[choice - 1], customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen, dishc1[choice - 1], qty)

cuisine = 1

else:

if cuisine == 2:

i = 0

while i < hotellenc2 and s == 1:

if hotelc2[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc2[i])

i = i + 1

while True: #This simulates a Do Loop

print("enter hotel number")

i = int(input())

if not(i > hotellenc2): break #Exit loop

s = 1

cuisine = 0

while cuisine < dishlenc2 and s == 1:

if dishc2[cuisine] == " ":

s = 0

else:

print(str(cuisine + 1) + "." + dishc2[cuisine] + "......Rs" + str(itemcostc2[cuisine]))

cuisine = cuisine + 1

while True: #This simulates a Do Loop

print("enter dish number")

choice = int(input())

if not(choice > dishlenc2 - 1): break #Exit loop

while True: #This simulates a Do Loop

print("enter quantity")

qty = int(input())

if not(qty <= 0): break #Exit loop

qtyc2[choice - 1] = qtyc2[choice - 1] - qty

cart(hotelc2[i - 1], itemcostc2[choice - 1], customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen, dishc2[choice - 1], qty)

cuisine = 2

else:

if cuisine == 3:

i = 0

while i < hotellenc3 and s == 1:

if hotelc3[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc3[i])

i = i + 1

while True: #This simulates a Do Loop

print("enter hotel number")

i = int(input())

if not(i > hotellenc3): break #Exit loop

s = 1

cuisine = 0

while cuisine < dishlenc3 and s == 1:

if dishc3[cuisine] == " ":

s = 0

else:

print(str(cuisine + 1) + "." + dishc3[cuisine] + "......Rs" + str(itemcostc3[cuisine]))

cuisine = cuisine + 1

while True: #This simulates a Do Loop

print("enter dish number")

choice = int(input())

if not(choice > dishlenc3 - 1): break #Exit loop

while True: #This simulates a Do Loop

print("enter quantity")

qty = int(input())

if not(qty <= 0): break #Exit loop

qtyc3[choice - 1] = qtyc3[choice - 1] - qty

cart(hotelc3[i - 1], itemcostc3[choice - 1], customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen, dishc3[choice - 1], qty)

cuisine = 3

else:

if cuisine == 4:

i = 0

while i < hotellenc4 and s == 1:

if hotelc4[i] == " ":

s = 0

else:

print(str(i + 1) + "." + hotelc4[i])

i = i + 1

while True: #This simulates a Do Loop

print("enter hotel number")

i = int(input())

if not(i > hotellenc4): break #Exit loop

s = 1

cuisine = 0

while cuisine < dishlenc4 and s == 1:

if dishc4[cuisine] == " ":

s = 0

else:

print(str(cuisine + 1) + "." + dishc4[cuisine] + "......Rs" + str(itemcostc4[cuisine]))

cuisine = cuisine + 1

while True: #This simulates a Do Loop

print("enter dish number")

choice = int(input())

if not(choice > dishlenc4 - 1): break #Exit loop

while True: #This simulates a Do Loop

print("enter quantity")

qty = int(input())

if not(qty <= 0): break #Exit loop

qtyc4[choice - 1] = qtyc4[choice - 1] - qty

cart(hotelc4[i - 1], itemcostc4[choice - 1], customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen, dishc4[choice - 1], qty)

cuisine = 4

if not(cuisine > 4 or cuisine <= 0): break #Exit loop

**10.MAIN**

termkey = [0] \* (1)

termkey[0] = 1

total = 0

customerbfrlen = 10

st = 0

customerbufferqty = [0] \* (20)

qty1 = [0] \* (20)

qty2 = [0] \* (20)

qty3 = [0] \* (20)

qty4 = [0] \* (20)

for i in range(0, 19 + 1, 1):

qty1[i] = 0

qty2[i] = 0

qty3[i] = 0

qty4[i] = 0

c1 = [0] \* (20)

c2 = [0] \* (20)

c3 = [0] \* (20)

c4 = [0] \* (20)

customerbuffercost = [0] \* (20)

customerbufferamount = [0] \* (20)

d1 = [""] \* (20)

d2 = [""] \* (20)

d3 = [""] \* (20)

d4 = [""] \* (20)

h1 = [""] \* (20)

h2 = [""] \* (20)

h3 = [""] \* (20)

h4 = [""] \* (20)

customerbuffername = [""] \* (20)

customerbufferhotelname = [""] \* (20)

arr1 = [""] \* (20)

arr2 = [""] \* (20)

for i in range(0, 19 + 1, 1):

customerbuffername[i] = " "

customerbufferhotelname[i] = " "

customerbuffercost[i] = 0

customerbufferamount[i] = 0

customerbufferqty[i] = 0

userarrlen = 20

for i in range(0, userarrlen - 1 + 1, 1):

arr1[i] = "login"

arr2[i] = "login"

d1[0] = "idli"

d1[1] = "dosa"

d1[2] = "poori"

d1[3] = "vada"

dlen1 = 20

for i in range(4, dlen1 - 1 + 1, 1):

d1[i] = " "

d2[0] = "chole bature"

d2[1] = "pav bhaji"

d2[2] = "stuffed parotta"

d2[3] = "vada pav"

dlen2 = 10

for i in range(4, dlen2 - 1 + 1, 1):

d2[i] = " "

d3[0] = "Hakka Noodles"

d3[1] = "Manchurian"

d3[2] = "Fried rice"

d3[3] = "chinese noodles"

dlen3 = 20

for i in range(4, dlen3 - 1 + 1, 1):

d3[i] = " "

d4[0] = "veg sandwich"

d4[1] = "burger"

d4[2] = "pizza"

d4[3] = "veg nuggets"

dlen4 = 20

for i in range(4, dlen4 - 1 + 1, 1):

d4[i] = " "

h1[0] = "South food express"

h1[1] = "A2B restaurant"

h1[2] = "AAA hotel"

h1[3] = "ABCD RESTAURANT"

hlen1 = 20

for i in range(4, hlen1 - 1 + 1, 1):

h1[i] = " "

h2[0] = "AB restaurant"

h2[1] = "KG foods"

h2[2] = "XYZ restaurant"

h2[3] = "BOMBAY RESTAURANT"

hlen2 = 20

for i in range(4, hlen2 - 1 + 1, 1):

h2[i] = " "

h3[0] = "chopsticks"

h3[1] = "GS foods"

h3[2] = "Shahi grills"

h3[3] = "SMS RESTAURANT"

hlen3 = 20

for i in range(4, hlen3 - 1 + 1, 1):

h3[i] = " "

h4[0] = "KFC "

h4[1] = "Mc Donalds"

h4[2] = "pizza hut"

h4[3] = "BURGER KING"

hlen4 = 20

for i in range(4, hlen4 - 1 + 1, 1):

h4[i] = " "

for i in range(0, 3 + 1, 1):

c1[i] = 30

c2[i] = 40

c3[i] = 50

c4[i] = 60

for i in range(4, 19 + 1, 1):

c1[i] = 0

c2[i] = 0

c3[i] = 0

c4[i] = 0

while True: #This simulates a Do Loop

while True: #This simulates a Do Loop

print("ARE YOU ADMIN OR CUSTOMER")

user = input()

if user == "customer":

account(arr1, arr2, userarrlen)

while True: #This simulates a Do Loop

search(d1, d2, d3, d4, h1, h2, h3, h4, qty1, qty2, qty3, qty4, dlen1, dlen2, dlen3, dlen4, hlen1, hlen2, hlen3, hlen4, c1, c2, c3, c4, customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen)

total = total + billing(customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen, customerbufferqty, termkey)

if not(termkey[0] == 0): break #Exit loop

print("order placed succesfully")

print("NET AMOUNT TO BE PAID :" + str(total))

else:

if user == "admin":

admin(d1, d2, d3, d4, h1, h2, h3, h4, qty1, qty2, qty3, qty4, dlen1, dlen2, dlen3, dlen4, hlen1, hlen2, hlen3, hlen4, c1, c2, c3, c4, customerbufferqty, customerbuffername, customerbufferamount, customerbufferhotelname, customerbuffercost, customerbfrlen)

st = -1

total = 0

for i in range(0, 19 + 1, 1):

customerbuffername[i] = " "

customerbufferhotelname[i] = " "

customerbufferamount[i] = 0

customerbuffercost[i] = 0

if not(user != "customer" or user != "admin" or st != -1): break #Exit loop

print("DO YOU WANT TO CONTINUE( Y/N):")

ch = input()

if not(ch == "y" or ch == "Y"): break #Exit loop