THE INDIAN COMMUNITY SCHOOL, KUWAIT

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COMPUTER PROJECT 2021 – 2022

PIZZA ORDER MANAGAMENT SYSTEM

Name_____

Class **XII** Section **D**

Board Roll no._____

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THE INDIAN COMMUNITY SCHOOL , KUWAIT

(DEPARTMENT OF COMPUTER SCIENCE)

BONAFIDE CERTIFICATE

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MASTER/MISS _____ OF CLASS _____

IN THE INDIAN COMMUNITY SCHOOL , KUWAIT DURING THE YEAR 2021-2022

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THE INDIAN COMMUNITY SCHOOL

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DATE :_____ EXTERNAL EXAMINER

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I also wish to express my sincere gratitude to my family and fellow peers for assisting me in all stages of creation for this project. This project would not have been a reality if it were not for their help.

DECLARATION

We hereby declare that the project work entitled “Pizza Order Management System”, submitted for the subject Computer Science to “The Indian Community School, Kuwait” is prepared by us. All the coding are result of our personal efforts.

Ronal Shoey George

Jerry Sam Jose

XII D

INTRODUCTION

This project aims to develop a viable system to manage pizza order and deliveries. This system is a python based application. It contains details related to the delivery, its customers, and their respective orders. There is also a provision for updating the order of a customer, deleting an order and displaying an order.

File System

Data File

Foods.dat

Program File

Pizza delivery system.py

PROGRAM LISTING

```
import pickle
import os


#function to display menu
def menu():
    g1=" "*7
    g2=" "*16
    g3=" "*3
    f=["FAMILY MEAL","KIDS MEAL  ","MY BOX     ","SUPER LIMO "]
    m=[5.5,1.5,3.0,8.0]
    x=["0010","0020","0030","0040"]
    print(" "*60 ,"╔"*1,"═"*58,"╗"*1,sep="")
    d=f"{'║':>61s}{'THANK YOU FOR VISITING PIZZA
STATION':>48s}{'║':>11s}"
    c=f"{'║':>61s}{'MENU':>31s}{'║':>28s}"
    h=f"{'║':>61s}{'SL':>3s} {g1} {'ITEMS':^3s} {g2}
{'ITEMCODE':^6s} {g3} {'PRICE(KD)':^6s}{'║':>2s}"
    g2=" "*10
    g3=" "*9
    print(d)
    print(" "*59 ,"╠"*1," "*56 ,"╣"*1)
    print(c)
    print(" "*59,"╠","~"*56,"╣")
    print(h)
    print(" "*59,"╠","="*56,"╣")
    for i in range(4):
          h=f"{'║':>61s}{i+1:>2d}{'.':<1s} {g1} {f[i]:^3s} {g2}
{x[i]:>6s} {g3} {m[i]:>3.1f}{'╣':>4s}"
          print(h)
    print(" "*60 ,"╚"*1,"═"*58 ,"╝"*1,sep="")
```

```
#function to create records
def create():
    f=open('foods.dat','wb')
    ch='yes'
    c=1
    while ch.lower()=='yes' :
        print('\n')
        print('Enter details of the customers',c)
        while True:
            flag=0
            Itemcode=input('Enter the Itemcode
:   ')
            for v in d.values():
                if Itemcode==v[0]:
                    pr=v[1]
                    flag=1
            if not Itemcode.isdigit() or len(Itemcode)!= 4 :
                flag=0
            if flag==0:
                print('Enter valid Itemcode')
            else:
                break
        flag=True
        try:
            Qtytno=int(input('Enter the number of quantities
:   '))
            Custfrstname=input('Enter the customer\'s first name
:   ')
            Custlstname=input('Enter the customer\'s last name
:   ')
            Are=str(input('Enter the Area name
:   '))
            Blokno=int(input('Enter the block number
:   '))
            Stretno=int(input('Enter the street number
:   '))
            Bludno=int(input('Enter the building number
:   '))
```

```
            Flono=int(input('Enter the floor number
:  '))
            Romno=int(input('Enter the flat number
:  '))
            Cstprc=pr*Qtytno
            print('                    Price=',Cstprc,'Kd')
            print('                      ---THE END---   ')
            c+=1

            l=[Itemcode , Qtytno, Custfrstname, Custlstname, Are,
Blokno, Stretno, Bludno, Flono, Romno,Cstprc]
            pickle.dump(l,f)

        except:
            print("error")
            flag=False
        if flag==False:
            ch=input('Enter again? [Yes/No] : ')
        else:
            ch=input('Would you like to enter more? [Yes/No] : ')


#function to search a record
def search():
    ne=input("Enter Customer\'s first Name                    :  ")
    na=input("Enter Customer\'s last Name                     :  ")
    file=open("foods.dat","rb")
    l=[]
    try:
        while True:
            l=pickle.load(file)
            if ne.lower()==l[2].lower() and
na.lower()==l[3].lower():
                print(' '*58,'╔','='*43,'╗',sep='')
                print(' '*57,' ',' '*14,'SEARCH FOUND',' '*13,' ')
                print(' '*57,f"{'
':>1s}{'Itemcode':<27s}{':':^1s}{l[0]:>15s}{' ':>1s}")
                print(' '*57,f"{'
':>1s}{'Quantities':<27s}{':':^1s}{l[1]:>15d}{' ':>1s}")
```

```
                print(' '*57,f"{' ':>1s}{'Customer first
name':<27s}{':':^1s}{l[2].lower().capitalize():>15s}{' ':>1s}")
                print(' '*57,f"{' ':>1s}{'Customer last name
':<27s}{':':^1s}{l[3].lower().capitalize():>15s}{' ':>1s}")
                print(' '*57,f"{' ':>1s}{'Area
name':<27s}{':':^1s}{l[4].lower().capitalize():>15s}{' ':>1s}")
                print(' '*57,f"{' ':>1s}{'Block
number':<27s}{':':^1s}{l[5]:>15d}{' ':>1s}")
                print(' '*57,f"{' ':>1s}{'Street
number':<27s}{':':^1s}{l[6]:>15d}{' ':>1s}")
                print(' '*57,f"{' ':>1s}{'Building
number':<27s}{':':^1s}{l[7]:>15d}{' ':>1s}")
                print(' '*57,f"{' ':>1s}{'Floor
number':<27s}{':':^1s}{l[8]:>15d}{' ':>1s}")
                print(' '*57,f"{' ':>1s}{'Room
number':<27s}{':':^1s}{l[9]:>15d}{' ':>1s}")
                print(' '*57,f"{' ':>1s}{'Price of the order in
Kd':<27s}{':':^1s}{l[10]:>13.3f}{'KD':<1s}{' ':>1s}")
                print(' '*57,' ',' '*18,'-END- ',' '*15,' ')
                print(' '*58,'╚','═'*43,'╝',sep='')
                break

    except EOFError:
        print(" "*64,"Error : Customer Name not Found!!!")


    file.close()


#function to delete a record
def delete():
    ne=input("Enter Customer\'s first Name                    :  ")
    na=input("Enter Customer\'s last Name                     :  ")
    file1=open("foods.dat","rb")
    file2=open("temp.dat","wb")
    l=[]
    flag=False
    try:
        while True:
            l=pickle.load(file1)
```

```
            if ne.lower()!=l[2].lower() and
na.lower()!=l[3].lower():
                pickle.dump(l,file2)
            else:
                flag=True

    except EOFError:
        if flag==True:
            print("    SUCCESSFULLY: Customer Account deleted")
    if flag==False:
        print("     Error : Customer Account not found")

    file1.close()
    file2.close()
    os.remove("foods.dat")
    os.rename("temp.dat","foods.dat")


#function to display all records
def display():
    file=open("foods.dat","rb")
    l=[]
    flag=0
    try:
        while True:
            l=pickle.load(file)
            print(' '*58,'╔','='*43,'╗',sep='')
            print(' '*57,' ',' '*13,'DISPLAY FOUND',' '*13,' ')
            print(' '*57,f"{'
':>1s}{'Itemcode':<27s}{':':^1s}{l[0]:>15s}{' ':>1s}")
            print(' '*57,f"{'
':>1s}{'Quantities':<27s}{':':^1s}{l[1]:>15d}{' ':>1s}")
            print(' '*57,f"{' ':>1s}{'Customer first
name':<27s}{':':^1s}{l[2].lower().capitalize():>15s}{' ':>1s}")
            print(' '*57,f"{' ':>1s}{'Customer last name
':<27s}{':':^1s}{l[3].lower().capitalize():>15s}{' ':>1s}")
            print(' '*57,f"{' ':>1s}{'Area
name':<27s}{':':^1s}{l[4].lower().capitalize():>15s}{' ':>1s}")
            print(' '*57,f"{' ':>1s}{'Block
number':<27s}{':':^1s}{l[5]:>15d}{' ':>1s}")
```

```
            print(' '*57,f"{' ':>1s}{'Street
number':<27s}{':':^1s}{l[6]:>15d}{' ':>1s}")
            print(' '*57,f"{' ':>1s}{'Building
number':<27s}{':':^1s}{l[7]:>15d}{' ':>1s}")
            print(' '*57,f"{' ':>1s}{'Floor
number':<27s}{':':^1s}{l[8]:>15d}{' ':>1s}")
            print(' '*57,f"{' ':>1s}{'Room
number':<27s}{':':^1s}{l[9]:>15d}{' ':>1s}")
            print(' '*57,f"{' ':>1s}{'Price of the order in
Kd':<27s}{':':^1s}{l[10]:>13.3f}{'KD':<1s}{' ':>1s}")
            print(' '*57,' ',' '*18,'-END- ',' '*15,' ')
            print(' '*58,'╚','═'*43,'╝',sep='')
            flag=1

    except EOFError:
        print("\n")
    if flag==0:
        print(" "*79,"No Customer Account Found")

    print(" "*84,"-- THANK YOU --")

    file.close()


#function to modify a record
def modify():
    file1=open("foods.dat","rb")
    file2=open("temp.dat","wb")
    ne=input("Enter the Customer\'s first Name                    :
")
    na=input("Enter the Customer\'s last Name                     :
")
    while True:
                    f=0
                    i=input(" Enter New Item Code : ")
                    for v in d.values():
                        if i==v[0]:
                            pr=v[1]
                            f=1
                    if not i.isdigit() or len(i)!= 4 :
```

```
                    f=0
                if f==0:
                    print('Enter Valid Itemcode : ')
                else:
                    break
    l=[]
    q=int(input(" Enter New Quantity : "))
    Cstprc=pr*q
    flag=False
    try:
        while True:
            l=pickle.load(file1)
            if ne.lower()==l[2].lower() and
na.lower()==l[3].lower():
                l[0]=i
                l[1]=q
                l[10]=Cstprc
                flag=True
                print("New Price : ",Cstprc,"KD")
            pickle.dump(l,file2)

    except EOFError:
        print("over")
    if flag==False:
        print("Error : Customer not found")

    file1.close()
    file2.close()
    os.remove("foods.dat")
    os.rename("temp.dat","foods.dat")
```

```
#mainmenu
def mainmenu():
    choice=0
    print("**********WELCOME**********")
    while choice!=5:
        print("\n")
        print("*****************************")
        print("1. Add a new Customer Account")
        print("2. Search a Customer")
        print("3. Delete Existing Customer Account")
        print("4. Display all Customer account ")
        print("5. Modify ")
        print("6. View the Menu ")
        print("7. Exit ")
        ch=input('Enter your choice                                    :
')
        if ch in '1234567':
            ch=int(ch)
            if ch==1:
                create()
            elif ch==2:
                search()
            elif ch==3:
                delete()
            elif ch==4:
                display()
            elif ch==5:
                modify()
            elif ch==6:
                menu()
            elif ch==7:
                print("THANK YOU")
                break
        else:
            print("ERROR\nEnter Valid Choice")
```

```
#main program
print(" "*68,'--ONLINE ORDERING SHOP--'," "*9)
print('\n\n')
print(" "*53,'***************WELCOME TO PIZZA
STATION***************')
print('\n')

while True:
    ch=input('Would you like to see THE MENU ? [y/n] : ')
    if ch.lower()=='y':
        menu()
    break
d={'FAMILY MEAL':['0010',5.5],'KIDS MEAL':['0020',1.5],'MY
BOX':['0030',3.0],'SUPER LIMO':['0040',8.0]}
mainmenu()
```

OUTPUT

#MAINMENU

--ONLINE ORDERING SHOP--

**********WELCOME TO PIZZA STATION**********

Would you like to see THE MENU ? [y/n] : Y

THANK YOU FOR VISITING PIZZA STATION

MENU

SL	ITEMS	ITEMCODE	PRICE(KD)
1.	FAMILY MEAL	0010	5.5
2.	KIDS MEAL	0020	1.5
3.	MY BOX	0030	3.0
4.	SUPER LIMO	0040	8.0

**********WELCOME**********

****
1. Add a new Customer Account
2. Search a Customer
3. Delete Existing Customer Account
4. Display all Customer account
5. Modify
6. View the Menu
7. Exit
Enter your choice : 1

#Creating a Record

```
Enter details of the customers 1
Enter the Itemcode                              :  0020
Enter the number of quantities                  :  4
Enter the customer's first name                 :  Ronal
Enter the customer's last name                  :  George
Enter the Area name                             :  hawally
Enter the block number                          :  5
Enter the street number                         :  34
Enter the building number                       :  56
Enter the floor number                          :  7
Enter the flat number                           :  32
                    Price= 6.0 Kd
                      ---THE END---
Would you like to enter more? [Yes/No] : yes

Enter details of the customers 2
Enter the Itemcode                              :  0040
Enter the number of quantities                  :  7
Enter the customer's first name                 :  Jerry
Enter the customer's last name                  :  Jose
Enter the Area name                             :  salmiya
Enter the block number                          :  4
Enter the street number                         :  17
Enter the building number                       :  47
Enter the floor number                          :  8
Enter the flat number                           :  54
                    Price= 56.0 Kd
                      ---THE END---
Would you like to enter more? [Yes/No] : no
```

#Searching a Record

```
****************************
1. Add a new Customer Account
2. Search a Customer
3. Delete Existing Customer Account
4. Display all Customer account
5. Modify
6. View the Menu
7. Exit
Enter your choice                          :  2
Enter Customer's first Name                :  ronal
Enter Customer's last Name                 :  george
```

SEARCH FOUND

Itemcode	:	0020
Quantities	:	4
Customer first name	:	Ronal
Customer last name	:	George
Area name	:	Hawally
Block number	:	5
Street number	:	34
Building number	:	56
Floor number	:	7
Room number	:	32
Price of the order in Kd	:	6.000KD

-END-

#Displaying all Records

```
*****************************
1. Add a new Customer Account
2. Search a Customer
3. Delete Existing Customer Account
4. Display all Customer account
5. Modify
6. View the Menu
7. Exit
Enter your choice                          :  4
```

DISPLAY FOUND		
Itemcode	:	0020
Quantities	:	4
Customer first name	:	Ronal
Customer last name	:	George
Area name	:	Hawally
Block number	:	5
Street number	:	34
Building number	:	56
Floor number	:	7
Room number	:	32
Price of the order in Kd	:	6.000KD

-END-

DISPLAY FOUND		
Itemcode	:	0040
Quantities	:	7
Customer first name	:	Jerry
Customer last name	:	Jose
Area name	:	Salmiya
Block number	:	4
Street number	:	17
Building number	:	47
Floor number	:	8
Room number	:	54
Price of the order in Kd	:	56.000KD

-END-

-- THANK YOU --

#Modifying a Record

```
*****************************
1. Add a new Customer Account
2. Search a Customer
3. Delete Existing Customer Account
4. Display all Customer account
5. Modify
6. View the Menu
7. Exit
Enter your choice                                 :  5
Enter the Customer's first Name                    :  jerry
Enter the Customer's last Name                     :  jose
 Enter New Item Code : 0020
 Enter New Quantity : 12
New Price :  18.0 KD
over

*****************************
1. Add a new Customer Account
2. Search a Customer
3. Delete Existing Customer Account
4. Display all Customer account
5. Modify
6. View the Menu
7. Exit
Enter your choice                                 :  4
```

DISPLAY FOUND		
Itemcode	:	0020
Quantities	:	4
Customer first name	:	Ronal
Customer last name	:	George
Area name	:	Hawally
Block number	:	5
Street number	:	34
Building number	:	56
Floor number	:	7
Room number	:	32
Price of the order in Kd	:	6.000KD

-END-

DISPLAY FOUND		
Itemcode	:	0020
Quantities	:	12
Customer first name	:	Jerry
Customer last name	:	Jose
Area name	:	Salmiya
Block number	:	4
Street number	:	17
Building number	:	47
Floor number	:	8
Room number	:	54
Price of the order in Kd	:	18.000KD

-END-

-- THANK YOU --

#Deleting a Record

```
*****************************
1. Add a new Customer Account
2. Search a Customer
3. Delete Existing Customer Account
4. Display all Customer account
5. Modify
6. View the Menu
7. Exit
Enter your choice                              :  3
Enter Customer's first Name                    :  ronal
Enter Customer's last Name                     :  george
    SUCCESSFULLY: Customer Account deleted
```

```
*****************************
1. Add a new Customer Account
2. Search a Customer
3. Delete Existing Customer Account
4. Display all Customer account
5. Modify
6. View the Menu
7. Exit
Enter your choice                              :  4
```

DISPLAY FOUND		
Itemcode	:	0020
Quantities	:	12
Customer first name	:	Jerry
Customer last name	:	Jose
Area name	:	Salmiya
Block number	:	4
Street number	:	17
Building number	:	47
Floor number	:	8
Room number	:	54
Price of the order in Kd	:	18.000KD

-END-

-- THANK YOU --

#Displaying the MENU

```
*****************************
1. Add a new Customer Account
2. Search a Customer
3. Delete Existing Customer Account
4. Display all Customer account
5. Modify
6. View the Menu
7. Exit
Enter your choice                              :  6
```

THANK YOU FOR VISITING PIZZA STATION

MENU

SL	ITEMS	ITEMCODE	PRICE(KD)
1.	FAMILY MEAL	0010	5.5
2.	KIDS MEAL	0020	1.5
3.	MY BOX	0030	3.0
4.	SUPER LIMO	0040	8.0

```
*****************************
1. Add a new Customer Account
2. Search a Customer
3. Delete Existing Customer Account
4. Display all Customer account
5. Modify
6. View the Menu
7. Exit
Enter your choice                              :  7
THANK YOU
```

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