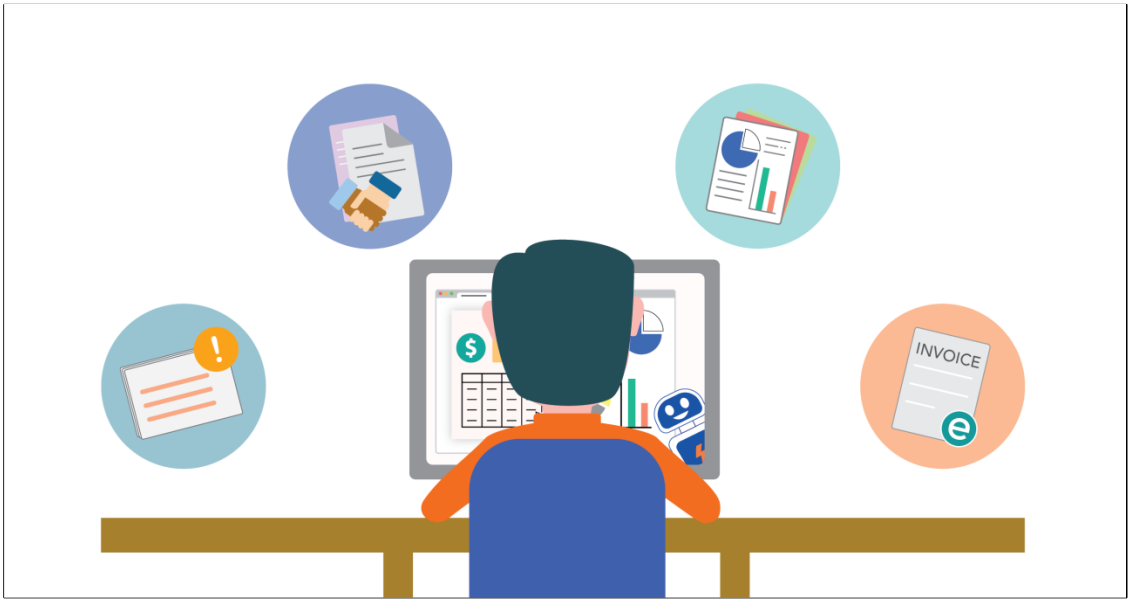
COMPUTER SCIENCE

PROJECT FILE

SESSION: 2020-21

SUBJECT CODE: 083

INVOICE MANGEMENT SYSTEM



NAME:Brijesh.J

CLASS & SEC:12A1

ROLL NO:20642469

CHENNAI PUBLIC SCHOOL
THIRUMAZHISAI-CHENNAI -600124

Bonafide Certificate

This is to certify that this project is done by

_____

of class XII ____ (Roll no:_____)

submitted for _____(subject)

AISSCE Practical Examination

for the year 2021-'22.

Date: seal Signature of Principal
Chennai-124

Signature of Internal Examiner

Signature of External Examiner
Examiner No: _____

Acknowledgement

I wish to express my since thanks to our founder and Chairman, SHRI.N.DEVARAJAN, for his Endeavour in educating us in his premier institution.

I would like to express my deep gratitude to Our Correspondent, SHRI. BALAJI DAGUPATHI for his kind words and enthusiastic motivation which inspired us a lot in completing this project.

I wish to express my since thanks to Our Director SHRI.SUMAN BABU YARLAGADDA, for providing us with necessary facilities for completion of this project report.

I would like to express my thanks and gratitude to Our Principal Mrs. CHITRAKALA RAMACHANDRAN, her encouragement and her sincere guidance.

I am obliged to thank our senior Vice Principal Mrs. Suchitra Santosh for providing us with ample time and encouragement for successful completion of this Project.

I cover my thanks to staff in the computer science department for their valuable support.

INDEX

SYSTEM REQUIREMENTS

1. HARDWARE:

   ✓ Processor ✓Keyboard

   ✓ Minimum memory - 2GB

2. SOFTWARE

3. Operating System –OS7, OS8

   ✓ Python IDLE

   ✓ MYSQL

FEASIBILITY STUDY

Feasibility study is a system proposal according to its work, ability, impact on the operation ability to meet the needs of users and efficient use of resources. An important outcome of preliminary investigations the determination of that system requested feasible.

ECONOMICAL FEASIBILITY:

Economics analysis is the most frequent use method for evaluating the effectiveness of the candidates the benefits and savings that are expected from system and compare them with cost.

This software is not very costly. It just worth Rs.5500/-.So users records can be maintained at a cheaper cost and every school would like to use this software so that the student's records can be managed easily.

TECHNICAL FEASIBILTY:

Technical feasibility centre on the existing computer system and to what extent it can support the proposed task. This involves financial consideration to accommodate technical enhancements.

It is technically feasible because whatever technology is needed to develop this software is easily available.

ERRORS AND ITS TYPES

An error, some time called “A BUG” is anything in the code that prevents a program from compiling and running correctly. There are broadly three types of errors as follows:

1. **Compile- time errors**: Errors that occurs during compilation of a program is called compile time error. It has two types as follows:
    a. **Syntax error**: It refers to formal rules governing the construction of valid statements in a language.
    b. **Semantics error**: It refers to the set of rules which give the meaning of a statement.
2. **Run time Errors:** Errors that occur during the execution of program are run time errors. These are harder to detect errors. Some run-time error stop the execution of program which is then called program “Crashed”.
3. **Logical Errors:** Sometimes, even if you don’t encounter any error during compiling-time and runtime, your program does not provide the correct result. This is because of the programmer’s mistaken analysis of the problem he or she is trying to solve.Such errors are called logical error.

TESTING

1. **Alpha Testing**: It is the most common type of testing used in the software industry. The objective of this testing is to identify all possible issues or defects before releasing it into the market or to the user. It is conducted at the developer's site.
2. **Beta Testing**: It is a formal type of software testing which is carried out by the customers. It is performed in a real environment before releasing the products into the market for the actual end-users. It is carried out to ensure that there are no major failures in the software or product and it satisfies the business requirement. Beta Testing is successful when the customer accepts the software.
3. **White Box Testing**: White box testing is based on the knowledge about the internal logic of an application's code. It is also known as Glass box Testing. Internal Software and code working should be known for performing this type of testing. These tests are based on the coverage of the code statements, branches, paths, conditions etc.
4. **Black Box Testing**: It is a software testing, method in which the internal structure or design of the item to be tested is not known to the tester. This method of testing can be applied virtually to every level of the software testing.

MAINTENANCE

Programming maintenance refers to the modifications in the program. After it has been completed, in order to meet changing requirement or to take care of the errors that shown up. There are four types of maintenance:

1. **Corrective Maintenance**: When the program after compilation shows error because of some unexpected situations, untested areas such errors are fixed up by Corrective maintenance.
2. **Adaptive Maintenance**: Changes in the environment in which an information system operates may lead to system management. To accommodate changing needs time to time maintenance is done and is called Adaptive maintenance.
3. **Preventive Maintenance**: If possible the errors could be anticipated before they actually occur; the maintenance is called Preventive maintenance.
4. **Perfective Maintenance**: In this rapidly changing world, information technology is the fastest growing area. If the existing system is maintained to keep tuned with the new features, new facilities, new capabilities, it is said to be Perfective maintenance.

FLOW CHART OF THE PROGRAM

CODE

```
Import mysql.connector as m
import sys
from prettytable import PrettyTable as PT
def Menu():
    file = open('invoice.txt','a+')
    file.close()
    file = open('invoice.txt','r')
    x = file.read()
    file.close()
    fi = open("Notes.txt",'a+')
    fi.close()
    if len(x) == 0:
        i_name = input('Enter the Company Name :')
        file = open('invoice.txt','w')
        file.write(i_name)
        file.close()
    file = open("invoice.txt")
    k = file.read()
    j = " "
    for i in k:
        j = j+i
        j = j+" "
    while True:
        import sys
        import mysql.connector
```

```
import prettytable
print("\t!! WELCOME TO '"+j.upper()+"' DEPARTMENT !!")
print("\t==========================================")
print("\n\n")
print("\t1. Managing Details")
print("\t2. Staff details")
print("\t3. Settings")
print("\t4. Quit")
inp = int(input("Enter your Choice :"))
if inp == 1:
    while True:
        print("\t!! Welcome To Managing Room!!")
        print("\t============================\n")
        print("\t1. Invoice Generator")
        print("\t2. Product Generator")
        print("\t3. Display Room")
        print("\t4. Search Room")
        print("\t5. Updation Room")
        print("\t6. Deletion Room")
        print("\t7. Exit")
        a = int(input("Enter your Choice :"))
        if a == 1:
            while True:
                print("SUB INVOICE MENU")
                print("================")
                print("\n")
                print("\t1. Create Invoice")
                print("\t2. View all Invoices Created")
                print("\t3. Back to Menu")
                b = int(input("Enter your Choice :"))
```

```
        if b == 1:
            def invoice():
                try:
                    import mysql.connector as m
                    import sys
                    con = m.connect(host='localhost',user='root',password='root')
                    cur = con.cursor()
                    db = 'create database if not exists invoices'
                    cur.execute(db)
                    use = 'use invoices'
                    cur.execute(use)
                    tb = 'create table if not exists invoice(I_id int(10) primary key,Customer_Name varchar(200),Item varchar(100),Price int(50),Quantity int(10),Total int(200))'
                    cur.execute(tb)
                    I_id = int(input("\tEnter Invoice id :"))
                    Customer_Name = input("\tEnter Customer Name :")
                    Item = input("\tEnter item name :")
                    Price = int(input("\tEnter item Price :"))
                    Quantity = int(input("\tEnter Quantity bought by customer:"))
                    Total = int(Price*Quantity)
                    rec = (I_id,Customer_Name,Item,Price,Quantity,Total)
                    insert = "insert into invoice values(%s,%s,%s,%s,%s,%s)"
                    cur.execute(insert,rec)
                    con.commit()
                    print("Invoice created Sucessfully :-)")
                    cur.close()
                    con.close()
                except:
                    sys.stderr.write("Some Error Occured...\n")
            invoice()
        elif b == 2:
```

```
            def view():
                import mysql.connector as m
                import sys
                con = m.connect(host='localhost',user='root',password='root',database='invoices')
                cur = con.cursor()
                cur.execute("select * from invoice")
                a = cur.fetchall()
                if cur.rowcount == 0:
                    sys.stderr.write('No Invoice Created Yet')
                else:
                    from prettytable import PrettyTable as PT
                    x = PT()
                    b=['I_id','Customer_Name','Items','Price','Quantity','Total']
                    x.field_names = b
                    for i in a:
                        x.add_row(i)
                    print(x)
                    con.commit()
                    cur.close()
                    con.close()
            view()
        elif b == 3:
            break
        else:
            sys.stderr.write("Wrong choice.....Enter again....")
elif a == 2:
    while True:
        print("SUB PRODUCT MENU")
        print("================")
        print("\n")
```

```
            print("\t1. Add a product")
            print("\t2. View Products")
            print("\t3. Back To Menu")
            b = int(input("Enter your Choice :"))
            if b == 1:
               def add():
                  try:
                     import mysql.connector as m
                     import sys
                     con = m.connect(host='localhost',user='root',password='root',database='invoices')
                     cur = con.cursor()
                     tb = 'create table if not exists product(P_id int(10) primary key,P_Name
varchar(200),Price int(50),Stock int(10))'
                     cur.execute(tb)
                     P_id = int(input("\tEnter Product id :"))
                     P_Name = input("\tEnter Product Name :")
                     Price = int(input("\tEnter Item Price :"))
                     Stock = int(input("\tEnter Quantity :"))
                     rec = (P_id,P_Name,Price,Stock)
                     insert = "insert into product values(%s,%s,%s,%s)"
                     cur.execute(insert,rec)
                     con.commit()
                     print("Product Added Sucessfully :-)")
                     cur.close()
                     con.close()
                  except:
                     sys.stderr.write("Some Error Occured...\n")
               add()
            elif b == 2:
               def view_p():
                  try:
```

```
                import sys
                import mysql.connector as m
                con = m.connect(host='localhost',user='root',password='root',database='invoices')
                cur = con.cursor()
                pro = 'select * from product'
                cur.execute(pro)
                a = cur.fetchall()
                if cur.rowcount == 0:
                    sys.stderr.write("No Product Added yet")
                else:
                    from prettytable import PrettyTable as PT
                    x = PT()
                    b=['P_id','P_Name','Price','Stock']
                    x.field_names = b
                    for i in a:
                        x.add_row(i)
                    print(x)
                    con.commit()
                    cur.close()
                    con.close()
            except:
                sys.stderr.write("Some Error Occured...\n")
        view_p()
    elif b == 3:
        break
    else:
        sys.stderr.write("Wrong choice.....Enter again....")
elif a == 3:
    while True:
        print("SUB DISPLAY MENU")
```

```
            print("================")
            print("\n")
            print("\t1. View all Invoices in")
            print("\t2. Back To Menu")
            b = int(input("Enter your Choice :"))
            if b == 1:
               while True:
                  print("SUB DISPLAY-INVOICE MENU")
                  print("========================")
                  print("\n")


                  try:
                        import mysql.connector as m
                        import sys
                        con                                                    =
m.connect(host='localhost',user='root',password='root',database='invoices')
                        cur = con.cursor()
                        y = "select * from invoice order by Customer_Name"
                        cur.execute(y)
                        a = cur.fetchall()
                        if cur.rowcount == 0:
                           sys.stderr.write('No Invoice Created Yet')
                        else:
                           from prettytable import PrettyTable as PT
                           x = PT()
                           b=['I_id','Customer_Name','Items','Price','Quantity','Total']
                           x.field_names = b
                           for i in a:
                              x.add_row(i)
                           print(x)
```

```
                con.commit()
                cur.close()
                con.close()
            except:
                sys.stderr.write("Some Error Occured\n")

        elif b == 2:
            break
    else:
        sys.stderr.write("Wrong Choice...Enter Again")
elif a == 4:
    while True:
        print("\tSUB SEARCH ROOM")
        print("\t===============")
        print("\n")
        print("\t1. To Search in Invoices")
        print("\t2. To Search in Products")
        print("\t3. Back To Menu")
        inp = int(input("Enter your choice :"))
        if inp == 1:
            while True:
                print('\n')
                print("\t1. To search by invoice id")
                print("\t2. To search by Customer name")
                print("\t3. Back to Menu")
                a = int(input("Enter your Choice :"))
                if a == 1:
                    def S_I_id():
                        import mysql.connector as m
                        import sys
```

```
        con = m.connect(host='localhost',user='root',password='root',database='invoices')
        cur = con.cursor()
        i_id = input("Enter Invoice id you want to search :")
        s = "select * from invoice where I_id = '"+i_id+"'"
        cur.execute(s)
        t=cur.fetchall()
        if cur.rowcount != 0:
            from prettytable import PrettyTable as PT
            x = PT()
            b=['Invoice_id','Customer_name','Item','Price','Quantity','Total']
            x.field_names = b
            for i in t:
                x.add_row(i)
            print(x)
            cur.close()
            con.close()
        else:
            sys.stderr.write("\nNo Such Invoice Exists...\n")
    S_I_id()
elif a == 2:
    def S_I_Cname():
        import mysql.connector as m
        import sys
        con = m.connect(host='localhost',user='root',password='root',database='invoices')
        cur = con.cursor()
        c_name = input("Enter Customer Name you want to search :")
        try:
            s = "select * from invoice where Customer_Name = '"+c_name+"'"
            from prettytable import PrettyTable as PT
            x = PT()
```

```
                cur.execute(s)
                t=cur.fetchall()
                if cur.rowcount != 0:
                    b=['Invoice_id','Customer_name','Item','Price','Quantity','Total']
                    x.field_names = b
                    for i in t:
                        x.add_row(i)
                    print(x)
                else:
                    sys.stderr.write("\nNo Such Invoice Exists...\n")
            except:
                sys.stderr.write("\nSome Error Occured...\n")
        S_I_Cname()
    elif a == 3:
        break
    else:
        sys.stderr.write("Wrong Choice... Enter Again...\n")
elif inp == 2:
    while True:
        print("\t1. To update invoice id")
        print("\t2. Back to Menu")
        inp = int(input("Enter your choice :"))
        if inp == 1:
            import mysql.connector as m
            import sys
            con = m.connect(host='localhost',user='root',password='root',database='invoices')
            cur = con.cursor()
            try:
                p_id = input("Enter Product id you want to search :")
                s = "select * from product where P_id = '"+p_id+"'"
```

```
                    from prettytable import PrettyTable as PT #prettytable module is for creating
table
                    x = PT()
                    cur.execute(s)
                    t=cur.fetchall()
                    if cur.rowcount != 0:
                       b=['P_id','P_name','Price','Stock']
                       x.field_names = b
                       for i in t:
                          x.add_row(i)
                       print(x)
                    else:
                       sys.stderr.write("\nNo Such Product Exists...\n")
                 except:
                    sys.stderr.write("\nSome Error Occured...\n")

              elif inp==2:
                 break
           else:
              sys.stderr.write("Wrong Choice... Enter Again...\n")
        elif inp == 2:
           break
        else:
           sys.stderr.write("Wrong Choice... Enter Again...\n")
     elif a ==  5:
        while True:
           print("\tSUB UPDATE ROOM")
           print("\t===============")
           print("\n")
           print("\t1. To Update Invoices")
           print("\t2. To Update Products")
```

```
print("\t3. Back To Menu")
inp = int(input("Enter your choice :"))
if inp == 1:
    while True:
        print("\t1. To update invoice id")

        print("\t2. Back to Menu")
        a = int(input("Enter your Choice :"))
        if a == 1:
            def U_I_id():
                import mysql.connector as m
                import sys
                con = m.connect(host='localhost',user='root',password='root',database='invoices')
                cur = con.cursor()
                cur.execute("select * from invoice")
                t = cur.fetchall()
                if cur.rowcount != 0:
                    from prettytable import PrettyTable as PT
                    x = PT()
                    b=['Invoice_id','Customer_name','Item','Price','Quantity','Total']
                    x.field_names = b
                    for i in t:
                        x.add_row(i)
                    print(x)
                    i_id = input("Enter Invoice id you want to update :")
                    n_id = input("Enter New Invoice id you want to enter :")
                    s = "update invoice set I_id = '"+n_id+"' where I_id = '"+i_id+"'"
                    cur.execute(s)
                    print("Invoice Updated Sucessfully..")
                    con.commit()
```

```
                cur.close()
                con.close()
            else:
                sys.stderr.write("\nNo Such Invoice Exists...\n")
        U_I_id()
    elif a == 2:
        def U_I_Cname():
            import mysql.connector as m
            import sys
            con = m.connect(host='localhost',user='root',password='root',database='invoices')
            cur = con.cursor()
            cur.execute("select * from invoice")
            t = cur.fetchall()
            if cur.rowcount != 0:
                from prettytable import PrettyTable as PT
                x = PT()
                b=['Invoice_id','Customer_name','Item','Price','Quantity','Total']
                x.field_names = b
                for i in t:
                    x.add_row(i)
                print(x)
                c_name = input("Enter Customer Name you want to update :")
                n_name = input("Enter New Customer Name you want to enter :")
                s = "update invoice set Customer_Name = '"+n_name+"' where Customer_Name
= '"+c_name+"'"
                cur.execute(s)
                con.commit()
                print("Invoice Updated Sucessfully")
                cur.close()
                con.close()
            else:
```

```
            sys.stderr.write("\nNo Such Invoice Exists...\n")
        U_I_Cname()
    elif a == 3:
        def U_Item():
            import mysql.connector as m
            import sys
            con = m.connect(host='localhost',user='root',password='root',database='invoices')
            cur = con.cursor()
            cur.execute("select * from invoice")
            t = cur.fetchall()
            if cur.rowcount != 0:
                from prettytable import PrettyTable as PT
                x = PT()
                b=['Invoice_id','Customer_name','Item','Price','Quantity','Total']
                x.field_names = b
                for i in t:
                    x.add_row(i)
                print(x)
                item = input("Enter New Item Name you want to enter :")
                n_item = input("Enter Item Name you want to update :")
                s = "update invoice set Item = '"+item+"' where Item = '"+n_item+"'"
                cur.execute(s)
                con.commit()
                print("Invoice Updated Sucessfully")
                cur.close()
                con.close()
            else:
                sys.stderr.write("\nNo Such Invoice Exists...\n")
        U_Item()
    elif a == 4:
```

```
def U_Price():
    import mysql.connector as m
    import sys
    con = m.connect(host='localhost',user='root',password='root',database='invoices')
    cur = con.cursor()
    cur.execute("select * from invoice")
    t = cur.fetchall()
    if cur.rowcount != 0:
        from prettytable import PrettyTable as PT
        x = PT()
        b=['Invoice_id','Customer_name','Item','Price','Quantity','Total']
        x.field_names = b
        for i in t:
            x.add_row(i)
        print(x)
        i_id = input("Enter Invoice Id :")
        n_price = input("Enter New Price you want to enter :")
        s = "update invoice set Price = '"+n_price+"' where I_id = '"+i_id+"'"
        cur.execute(s)
        u = "select * from invoice where I_id = '"+i_id+"'"
        cur.execute(u)
        y = cur.fetchone()
        if cur.rowcount != 0:
            if y[4]>0:
                total = str(int(n_price)*int(y[4]))
                z = "update invoice set Total = '"+total+"' where I_id = '"+i_id+"'"
                cur.execute(z)
                con.commit()
            else:
                return -1
```

```
                print("Invoice Updated Sucessfully")
                con.commit()
                cur.close()
                con.close()
            else:
                sys.stderr.write("\nNo Such Invoice Exists...\n")
        U_Price()
    elif a == 5:
        break
    else:
        sys.stderr.write("Wrong Choice... Enter Again...\n")
elif inp == 2:
    while True:

            import mysql.connector as m
            import sys
            con = m.connect(host='localhost',user='root',password='root',database='invoices')
            cur = con.cursor()
            cur.execute("select * from product")
            t = cur.fetchall()
            if cur.rowcount != 0:
                from prettytable import PrettyTable as PT
                x = PT()
                b=['P_id','P_name','Price','Stock']
                x.field_names = b
                for i in t:
                    x.add_row(i)
                print(x)
                p_id = input("Enter Product id you want to update :")
                n_id = input("Enter New Product id you want to update :")
```

```
                    s = "update product set P_id = '"+n_id+"' where P_id = '"+p_id+"'"
                    cur.execute(s)
                    print("Product Updated Sucessfully")
                    con.commit()
                    cur.close()
                    con.close()
                else:
                    sys.stderr.write("\nNo Such Product Exists...\n")


elif a == 6:
    while True:
        print("\tSUB DELETE ROOM")
        print("\t===============")
        print("\n")
        print("\t1. To Delete Invoice")
        print("\t2. Back To Menu")
        inp = int(input("Enter Your Choice :"))
        if inp == 1:
            print("\t1. To Delete Invoice by Id")
            print("\t2. Back To Menu")
            a = int(input("Enter Your Choice :"))
            if a == 1:
                def D_id():
                    import mysql.connector as m
                    import sys
                    con = m.connect(host='localhost',user='root',password='root',database='invoices')
                    cur = con.cursor()
                    cur.execute("select * from invoice")
                    t = cur.fetchall()
```

```
                if cur.rowcount != 0:
                    from prettytable import PrettyTable as PT
                    x = PT()
                    b=['Invoice_id','Customer_name','Item','Price','Quantity','Total']
                    x.field_names = b
                    for i in t:
                        x.add_row(i)
                    print(x)
                    i_id = input("Enter Invoice id you want to delete :")
                    s = "delete from invoice where I_id = '"+i_id+"'"
                    cur.execute(s)
                    print("Invoice Deleted Sucessfully..")
                    con.commit()
                    cur.close()
                    con.close()
                else:
                    sys.stderr.write("\nNo Such Invoice Exists...\n")
                D_id()

            elif a == 2:
                break
            else:
                sys.stderr.write("Wrong Choice...Enter Again....\n")
Menu()
```

OUTPUT :

```
========== RESTART:
D:\Project.py
==========

Enter the Company Name :CPS
```

!! WELCOME TO ' C P S ' DEPARTMENT !!

==========
=======

1. Managing Details

2. Staff details

3. Settings

4. Quit

Enter your Choice :1

!! Welcome To Managing Room!!

==========

1. Invoice Generator

2. Product Generator

3. Display Room

4. Search Room

5. Updation Room

6. Deletion Room

7. Exit

Enter your Choice :1

SUB INVOICE MENU

==========

1. Create Invoice

2. View all Invoices Created

3. Back to Menu

Enter your Choice :1

Enter Invoice id :12

Enter Customer Name :kannan

Enter item name :cosmetics

Enter item Price :36

Enter Quantity bought by customer:4

Invoice created Sucessfully :-)

SUB INVOICE MENU

==========

1. Create Invoice

2. View all Invoices Created

3. Back to Menu

Enter your Choice :2

+-----+------------+---------+------+---------+-----+

| I_id | Customer_Name | Items | Price | Quantity | Total |

+-----+------------+---------+------+---------+-----+

| 1 | 234 | ERT | 56 | 5 | 280 |

| 11 | kamal | soap | 35 | 2 | 70 |

| 12 | kannan | cosmetics | 36 | 4 | 144 |

+-----+------------+---------+------+---------+-----+

SUB INVOICE MENU

==========

1. Create Invoice

2. View all Invoices Created

3. Back to Menu

Enter your Choice :3

!

! Welcome To Managing Room!!

==========

1. Invoice Generator

2. Product Generator

3. Display Room

4. Search Room

5. Updation Room

6. Deletion Room

7. Exit

Enter your Choice :2

SUB PRODUCT MENU

==========

1. Add a product

2. View Products

3. Back To Menu

Enter your Choice :1

Enter Product id :1

Enter Product Name :soap

Enter Item Price :68

Enter Quantity :50

Product Added Sucessfully :-)

SUB PRODUCT MENU

==========

1. Add a product

2. View Products

3. Back To Menu

Enter your Choice :2

+-----+-------+------+------+

| P_id | P_Name | Price | Stock |

+-----+-------+------+------+

| 1 | soap | 68 | 50 |

+-----+-------+------+------+

SUB PRODUCT MENU

==========

1. Add a product
2. View Products
3. Back To Menu

Enter your Choice :3

!! Welcome To Managing Room!!

==========

1. Invoice Generator
2. Product Generator
3. Display Room
4. Search Room
5. Updation Room
6. Deletion Room
7. Exit

Enter your Choice :3

SUB DISPLAY MENU

==========

1. View all Invoices in
2. View all Products in
3. Back To Menu

Enter your Choice :1

SUB DISPLAY-INVOICE MENU

==========

1. View Invoices in Asc order of their id

2. View Invoices in Desc order of their id

3. View Invoices in Asc order of their Customer Name

4. View Invoices in Desc order of their Customer Name

5. View Invoices in Asc order of their Item

6. View Invoices in Desc order of their Item

7. View Invoices in Asc order of their Price

8. View Invoices in Desc order of their Price

9. View Invoices in Asc order of their Quantity

10. View Invoices in Desc order of their Quantity

11. Back to Menu

Enter your Choice :3

```
+-----+-------------+---------+------+---------+-------+
| I_id | Customer_Name |   Items   | Price | Quantity | Total |
+-----+-------------+---------+------+---------+-------+
| 1  |    234    |   ERT   |  56 |   5    | 280 |
| 11 |    kamal    |   soap   |  35 |   2    |  70 |
| 12 |    kannan    | cosmetics |  36 |   4    | 144 |
+-----+-------------+---------+------+---------+-------+
```

SUB DISPLAY-INVOICE MENU

==========

1. View Invoices in Asc order of their id
2. View Invoices in Desc order of their id
3. View Invoices in Asc order of their Customer Name
4. View Invoices in Desc order of their Customer Name
5. View Invoices in Asc order of their Item
6. View Invoices in Desc order of their Item

7. View Invoices in Asc order of their Price

8. View Invoices in Desc order of their Price

9. View Invoices in Asc order of their Quantity

10. View Invoices in Desc order of their Quantity

11. Back to Menu

Enter your Choice :4

```
+-----+-------------+---------+-------+----------+-------+
| I_id | Customer_Name |   Items   | Price | Quantity | Total |
+-----+-------------+---------+-------+----------+-------+
|  12  |    kannan    | cosmetics |   36  |    4     |  144  |
|  11  |    kamal     |    soap   |   35  |    2     |   70  |
|  1   |     234      |    ERT    |   56  |    5     |  280  |
+-----+-------------+---------+-------+----------+-------+
```

SUB DISPLAY-INVOICE MENU

==========

1. View Invoices in Asc order of their id

2. View Invoices in Desc order of their id

3. View Invoices in Asc order of their Customer Name

4. View Invoices in Desc order of their Customer Name

5. View Invoices in Asc order of their Item

6. View Invoices in Desc order of their Item

7. View Invoices in Asc order of their Price

8. View Invoices in Desc order of their Price

9. View Invoices in Asc order of their Quantity

10. View Invoices in Desc order of their Quantity

11. Back to Menu

Enter your Choice :5

```
+-----+-------------+---------+------+----------+-------+
| I_id | Customer_Name |   Items   | Price | Quantity | Total |
+-----+-------------+---------+------+----------+-------+
|  12  |    kannan    | cosmetics |  36  |    4     |  144  |
|  1   |     234      |    ERT    |  56  |    5     |  280  |
|  11  |    kamal     |    soap   |  35  |    2     |   70  |
+-----+-------------+---------+------+----------+-------+
```

SUB DISPLAY-INVOICE MENU

==========

1. View Invoices in Asc order of their id

2. View Invoices in Desc order of their id

3. View Invoices in Asc order of their Customer Name

4. View Invoices in Desc order of their Customer Name

5. View Invoices in Asc order of their Item

6. View Invoices in Desc order of their Item

7. View Invoices in Asc order of their Price

8. View Invoices in Desc order of their Price

9. View Invoices in Asc order of their Quantity

10. View Invoices in Desc order of their Quantity

11. Back to Menu

Enter your Choice :6

```
+-----+------------+---------+------+----------+-----+
| I_id | Customer_Name |   Items   | Price | Quantity | Total |
+-----+------------+---------+------+----------+-----+
| 11 |    kamal    |   soap   | 35 |   2    |  70 |
| 1  |    234     |   ERT    | 56 |   5    | 280 |
| 12 |    kannan   | cosmetics |  36 |   4    | 144 |
+-----+------------+---------+------+----------+-----+
```

SUB DISPLAY-INVOICE MENU

==========

1. View Invoices in Asc order of their id

2. View Invoices in Desc order of their id

3. View Invoices in Asc order of their Customer Name

4. View Invoices in Desc order of their Customer Name

5. View Invoices in Asc order of their Item

6. View Invoices in Desc order of their Item

7. View Invoices in Asc order of their Price

8. View Invoices in Desc order of their Price

9. View Invoices in Asc order of their Quantity

10. View Invoices in Desc order of their Quantity

11. Back to Menu

Enter your Choice :3

```
+-----+------------+---------+------+----------+-----+
| I_id | Customer_Name |   Items   | Price | Quantity | Total |
+-----+------------+---------+------+----------+-----+
| 1  |    234     |   ERT    | 56 |   5    | 280 |
```

| 11 | kamal | soap | 35 | 2 | 70 |

| 12 | kannan | cosmetics | 36 | 4 | 144 |

SUB DISPLAY MENU

==========

1. View all Invoices in
2. View all Products in
3. Back To Menu

Enter your Choice :2

SUB DISPLAY-PRODUCT MENU

==========

1. View Products in Asc order of their id
2. View Products in Desc order of their id
3. View Products in Asc order of their Product Name
4. View Products in Desc order of their Product Name
5. View Products in Asc order of their Price
6. View Products in Desc order of their Price
7. View Products in Asc order of their Stock
8. View Products in Desc order of their Stock
9. Back to Menu

Enter your Choice3

+-----+-------+------+------+

| P_id | P_Name | Price | Stock |

+-----+-------+------+------+

| 1 | soap | 68 | 50 |

+-----+-------+------+------+

SUB DISPLAY-PRODUCT MENU

==========

1. View Products in Asc order of their id
2. View Products in Desc order of their id
3. View Products in Asc order of their Product Name
4. View Products in Desc order of their Product Name
5. View Products in Asc order of their Price
6. View Products in Desc order of their Price
7. View Products in Asc order of their Stock
8. View Products in Desc order of their Stock
9. Back to Menu

Enter your Choice4

```
+-----+-------+------+------+
| P_id | P_Name | Price | Stock |
+-----+-------+------+------+
| 1   | soap |  68 |  50 |
+-----+-------+------+------+
```

SUB DISPLAY-PRODUCT MENU

==========

1. View Products in Asc order of their id
2. View Products in Desc order of their id
3. View Products in Asc order of their Product Name
4. View Products in Desc order of their Product Name
5. View Products in Asc order of their Price
6. View Products in Desc order of their Price
7. View Products in Asc order of their Stock
8. View Products in Desc order of their Stock

9. Back to Menu

Enter your Choice9

```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| bank               |
| invoices           |
| loc                |
| mysql              |
| performance_schema |
| project            |
| test               |
| vm                 |
+--------------------+
9 rows in set (0.00 sec)

mysql> use invoices;
Database changed
mysql> show tables;
+--------------------+
| Tables_in_invoices |
+--------------------+
| invoice            |
| product            |
| staff              |
+--------------------+
3 rows in set (0.00 sec)

mysql> select * from invoice;
+------+---------------+-----------+-------+----------+-------+
| I_id | Customer_Name | Item      | Price | Quantity | Total |
+------+---------------+-----------+-------+----------+-------+
|    1 | 234           | ERT       |    56 |        5 |   280 |
|   11 | kamal         | soap      |    35 |        2 |    70 |
|   12 | kannan        | cosmetics |    36 |        4 |   144 |
+------+---------------+-----------+-------+----------+-------+
3 rows in set (0.00 sec)
```

```
mysql> select * from invoice;
+------+---------------+-----------+-------+----------+-------+
| I_id | Customer_Name | Item      | Price | Quantity | Total |
+------+---------------+-----------+-------+----------+-------+
|    1 | 234           | ERT       |    56 |        5 |   280 |
|   11 | kamal         | soap      |    35 |        2 |    70 |
|   12 | kannan        | cosmetics |    36 |        4 |   144 |
+------+---------------+-----------+-------+----------+-------+
3 rows in set (0.00 sec)

mysql> select * from product;
+------+--------+-------+-------+
| P_id | P_Name | Price | Stock |
+------+--------+-------+-------+
|    1 | soap   |    68 |    50 |
```