

Book Store Management System

Abstract:

The Book Store is a simple project developed using python. This project is an interesting project. The user can add the number of book details and you can see the details stored in the list form. The user can delete the list items if he/she wants to remove it. This is a simple GUI-based project which is very easy to understand and use. The features of this system are: the user can make the list of books with their authors, year, and keep them as records. The user have to type the book information in the text fields and click on the add button to add the information on the record.

Software requirements:

- Operating system : windows 10
- Python 3 : for execution of program
- Mysql : for storing data in the database
- Python – mysql connector : for database connectivity

Source Code:

```
#https://cbsepython.in
import mysql.connector
mydb=mysql.connector.connect (host="localhost", user="root",
password="admin")

#CREATING DATABASE AND TABLE
mycursor=mydb.cursor()
mycursor.execute("create database if not exists store")
mycursor.execute("use store")
mycursor.execute("create table if not exists signup(username
varchar(20),password varchar(20))")

while True:
    print("""1:Signup
2:Login""")

    ch=int(input("SIGNUP/LOGIN(1,2):"))

#SIGNUP
    if ch==1:

        username=input("USERNAME:")
        pw=input("PASSWORD:")

        mycursor.execute("insert into signup
values('"+username+"','"+pw+"')")
```

```

        mydb.commit()

#LOGIN
    elif ch==2:

        username=input("USERNAME:")

        mycursor.execute("select username from signup where
username='"+username+"'")
        pot=mycursor.fetchone()

        if pot is not None:
            print("VALID USERNAME!!!!!!")

            pw=input("PASSWORD:")

            mycursor.execute("select password from signup where
password='"+pw+"'")
            a=mycursor.fetchone()

            if a is not None:
                print("++++++")
+++LOGIN SUCCESSFULL+++
++++++

print("=====")
=====
++++++          MY BOOK STORE          ++++++
=====
""")

mycursor.execute("create table if not exists Available_Books(BookName
varchar(30) primary key,Genre varchar(20),Quantity int(3),Author
varchar(20),Publication varchar(30),Price int(4))")

mycursor.execute("create table if not exists Sell_rec(CustomerName
varchar(20),PhoneNumber char(10) unique key, BookName varchar(30),Quantity
int(100),Price int(4),foreign key (BookName) references
Available_Books(BookName))")

mycursor.execute("create table if not exists Staff_details(Name
varchar(30), Gender varchar(10),Age int(3), PhoneNumber char(10) unique key
, Address varchar(40))")
        mydb.commit()

        while(True):
            print("1:Add Books
2:Delete Books
3:Search Books
4:Staff Details
5:Sell Record
6:Available Books
7:Total Income after the Latest Reset
8:Exit")

            a=int(input("Enter your choice:"))

#ADD BOOKS
            if a==1:

```

```
filled")
        print("All information prompted are mandatory to be
```

```
book=str(input("Enter Book Name:"))
genre=str(input("Genre:"))
quantity=int(input("Enter quantity:"))
author=str(input("Enter author name:"))
publication=str(input("Enter publication house:"))
price=int(input("Enter the price:"))
```

```
mycursor.execute("select * from Available_Books
where bookname='"+book+"'")
row=mycursor.fetchone()
```

```
if row is not None:
    mycursor.execute("update Available_Books set
quantity=quantity+'"+str(quantity)+"' where bookname='"+book+"'")
mydb.commit()
```

```
print(" "+"+++++++")
++SUCCESSFULLY ADDED++
++++++")
```

```
else:
    mycursor.execute("insert into
Available_Books(bookname,genre,quantity,author,publication,price)
values('"+book+"','"+genre+"','"+str(quantity)+"','"+author+"','"+publicati
on+"','"+str(price)+"'")
    mydb.commit()
```

```
print(" "+"+++++++")
++SUCCESSFULLY ADDED++
++++++")
```

```
#DELETE BOOKS
```

```
elif a==2:
```

```
print("AVAILABLE BOOKS...")
```

```
mycursor.execute("select * from Available_Books ")
for x in mycursor:
    print(x)
```

```
cusname=str(input("Enter customer name:"))
phno=int(input("Enter phone number:"))
book=str(input("Enter Book Name:"))
price=int(input("Enter the price:"))
n=int(input("Enter quantity:"))
```

```
mycursor.execute("select quantity from
available_books where bookname='"+book+"'")
lk=mycursor.fetchone()
```

```
if max(lk)<n:
    print(n,"Books are not available!!!!")
```

```
else:
    mycursor.execute("select bookname from
available_books where bookname='"+book+"'")
```

```

        log=mycursor.fetchone()

        if log is not None:
            mycursor.execute("insert into Sell_rec
values('"+cusname+"','"+str(phno)+"','"+book+"','"+str(n)+"','"+str(price)+
"')")
            mycursor.execute("update Available_Books
set quantity=quantity-'"+str(n)+"' where BookName='"+book+"'")
            mydb.commit()

            print(" "+"+++++++")

            ++BOOK HAS BEEN SOLD++
            ++"+++++++")

        else:
            print("BOOK IS NOT AVAILABLE!!!!!!")

#SEARCH BOOKS ON THE BASIS OF GIVEN OPTIONS
elif a==3:

    print(" "1:Search by name
2:Search by genre
3:Search by author"")

    l=int(input("Search by?:"))

    #BY BOOKNAME
    if l==1:
        o=input("Enter Book to search:")

        mycursor.execute("select bookname from
available_books where bookname='"+o+"'")
        tree=mycursor.fetchone()

        if tree!=None:
            print(" "+"+++++++")

            ++BOOK IS IN STOCK++
            ++"+++++++")

        else:
            print("BOOK IS NOT IN STOCK!!!!!!")

    #BY GENRE
    elif l==2:
        g=input("Enter genre to search:")

        mycursor.execute("select genre from
available_books where genre='"+g+"'")
        poll=mycursor.fetchall()

        if poll is not None:
            print(" "+"+++++++")

            ++BOOK IS IN STOCK++
            ++"+++++++")

        mycursor.execute("select * from
available_books where genre='"+g+"'")

        for y in mycursor:
            print(y)

```

```

else:
    print("BOOKS OF SUCH GENRE ARE NOT
AVAILABLE!!!!!!!!!!")

#BY AUTHOR NAME
elif l==3:
    au=input("Enter author to search:")

    mycursor.execute("select author from
available_books where author='"+au+"'")
    home=mycursor.fetchall()

    if home is not None:
        print("""+++++++""")

++BOOK IS IN STOCK++
+++++++""")

    mycursor.execute("select * from
available_books where author='"+au+"'")

    for z in mycursor:
        print(z)

    else:
        print("BOOKS OF THIS AUTHOR ARE NOT
AVAILABLE!!!!!!!!!!")

mydb.commit()

#STAFF DETAILS
elif a==4:
    print("1:New staff entry")
    print("2:Remove staff")
    print("3:Existing staff details")

    ch=int(input("Enter your choice:"))

#NEW STAFF ENTRY
if ch==1:
    fname=str(input("Enter Fullname:"))
    gender=str(input("Gender(M/F/O):"))
    age=int(input("Age:"))
    phno=int(input("Staff phone no.:"))
    add=str(input("Address:"))

    mycursor.execute("insert into
Staff_details(name,gender,age,phonenumner,address)
values('"+fname+"','"+gender+"','"+str(age)+"','"+str(phno)+"','"+add+"')")
    print("""+++++++""")

+STAFF IS SUCCESSFULLY ADDED+
+++++++""")
    mydb.commit()

#REMOVE STAFF
elif ch==2:
    nm=str(input("Enter staff name to remove:"))
    mycursor.execute("select name from
staff_details where name='"+nm+"'")
    toy=mycursor.fetchone()

    if toy is not None:

```

```

                                mycursor.execute("delete from staff_details
where name='"+nm+"'")
                                print("+++++STAFF IS SUCCESSFULLY REMOVED+++++
+++++STAFF IS SUCCESSFULLY REMOVED+++++")
                                mydb.commit()

                                else:
                                    print("STAFF DOESNOT EXIST!!!!!!")

#EXISTING STAFF DETAILS
elif ch==3:
    mycursor.execute("select * from Staff_details")
    run=mycursor.fetchone()
    for t in mycursor:
        print(t)
    if run is not None:
        print("EXISTING STAFF DETAILS...")
        for t in mycursor:
            print(t)

    else:
        print("NO STAFF EXISTS!!!!!!")
    mydb.commit()

#SELL HISTORY
elif a==5:
    print("1:Sell history details")
    print("2:Reset Sell history")

    ty=int(input("Enter your choice:"))

    if ty==1:
        mycursor.execute("select * from sell_rec")
        for u in mycursor:
            print(u)

    if ty==2:
        bb=input("Are you sure(Y/N):")

        if bb=="Y":
            mycursor.execute("delete from sell_rec")
            mydb.commit()

        elif bb=="N":
            pass

#AVAILABLE BOOKS
elif a==6:
    mycursor.execute("select * from available_books
order by bookname")

    for v in mycursor:
        print(v)

#TOTAL INCOME AFTER LATEST UPDATE
elif a==7:
    mycursor.execute("select sum(price) from sell_rec")
    for x in mycursor:
        print(x)

#EXIT
elif a==8:

```

```

                                break

#LOGIN ELSE PART
    else:
        print(" "+"+++++++")
++INCORRECT PASSWORD++
+++++++)

    else:
        print(" "+"+++++++")
++INVALID USERNAME++
+++++++)

    else:
        break

```

OUTPUT:

= RESTART: C:\Users\Compaq\BOOKSTORE MANAGEMENT.py

1:Signup

2:Login

SIGNUP/LOGIN(1,2):1

USERNAME:"jitendra"

PASSWORD:"12345"

1:Signup

2:Login

SIGNUP/LOGIN(1,2):2

USERNAME:"jitendra"

VALID USERNAME!!!!!!

PASSWORD:"12345"

+++++++

+++LOGIN SUCCESSFULL+++

+++++++

=====

=====

++++++ MY BOOK STORE

++++++

=====

=====

- 1:Add Books
- 2:Delete Books
- 3:Search Books
- 4:Staff Details
- 5:Sell Record
- 6:Available Books
- 7:Total Income after the Latest Reset
- 8:Exit

Enter your choice:1

All information prompted are mandatory to be filled

Enter Book Name:"Computer Science with Python"

Genre:"Programming"

Enter quantity:10

Enter author name:"cbsepython"

Enter publication house:"cbsepython.in"

Enter the price:320

+++++

++SUCCESSFULLY ADDED++

+++++

- 1:Add Books
- 2:Delete Books
- 3:Search Books
- 4:Staff Details
- 5:Sell Record
- 6:Available Books
- 7:Total Income after the Latest Reset
- 8:Exit

Enter your choice:

CONCLUSION:

Bookstore management system report in python is an attempt to overcome the present in efficient and time consuming process of locating reserving and purchasing quality reading materials available in the shop. Through automated book shop solution, provide an easy way of searching reserving and purchasing of books. It's worth analysing and identifying the benefits as it would directly influence the productivity of the shop.