SREE SANKARA VIDYA PEETAM SENIOR SECONDARY SCHOOL

MATTANUR

PROJECT REPORT ON

BOOK STALL MANAGEMENT SYSTEM

SUBMITTED TO:

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Class: XII

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.....

Examiner's Number and Signature

CERTIFICATE

This is to certify that ‘ .....of class XII of Sree Sankara Vidya Peetam, Mattanur has done his/her project on … .....under my supervision.

He/She has taken interest and has shown at most sincerity in completion of this project.

I certify this project up to my expectation and as per the guidelines issued by CBSE, New Delhi.

Place:

Date: Teacher in Charge:

ACKN**OWLEDGMENT**

It is with pleasure that I acknowledge my sincere gratitude to our teacher, Mrs. Lijina C V for giving valuable and moral support to develop this software.

My sincere thanks goes to our Principal Mrs Geeta M A, who has always been a source of encouragement and support and without whose inspiration, this project would not have been a successful.

I also feel indebted to my friends for the valuable suggestions during the project work.

Signature

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INTRODUCTION

This software project is developed to automate the functionalities of a bookstall management system.

It consists of a computerized database and features like add the details of a book, update the details of a book, delete the details of a book, search for a particular book and display the details of all books have been added.

This software being simple in design and working can be used as a powerful tool for automating a bookstall management system.

During coding and design of the software project Python IDLE is used as a powerful front end for getting Graphical User Interface based integrated platform. As backend powerful database management software MySQL is used.

WORKING ENVIRONMENT

SOFTWARE

- Windows 7 Operating System.
- Python 3.7.5 as Front end development environment.
- MySQL as Back end server.
- MySQL connector python 8.0.23

HARDWARE

• Processor	:	Intel(R) Core(TM) i3- 4150
• Clock speed	:	3.5GHz
• RAM	:	4 GB
• Hard Disk Capacity	:	512 GB
• Bit Specification	:	64 bits
• Keyboard	:	Logitech
• Mouse	:	Logitech
• Monitor	:	i bal

SYSTEM ANALYSIS

EXISTING SYSTEM:

In the existing system, many of the operations are done manually. The system consists of information related to the management of library. In this system, we want to write the details of books in a library into a register. This task is tiresome and relatively time consuming. So it is clear that the existing system has a lot of draw backs.

Drawbacks:

1: Difficulty in maintaining

2: Difficulty in searching for details

3: Large space consumption

4: Data redundancy

PROPOSED SYSTEM:

In the proposed system, we overcome the drawbacks of the existing system. This system is more user friendly and is easy to handle. As the code is flexible and effective it is easy to enhance and modify according to customer requirement.

The proposed system is menu driven .The features defined by this system are:

1:Easy adding

2: Easy deletion

3: Searching

4: Easy display

5: Modification

SOURCE CODE

```
import mysql.connector
mydb=mysql.connector.connect(host="localhost",user="root",password="ssvp@123")

#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("""==========================================================================
++++++++++++++++++++++++++   N.M.N.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:Sell 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:

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

                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+"','"+publication+"','"+str(price)+"')")
                    mydb.commit()

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


  #SELL 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++
```

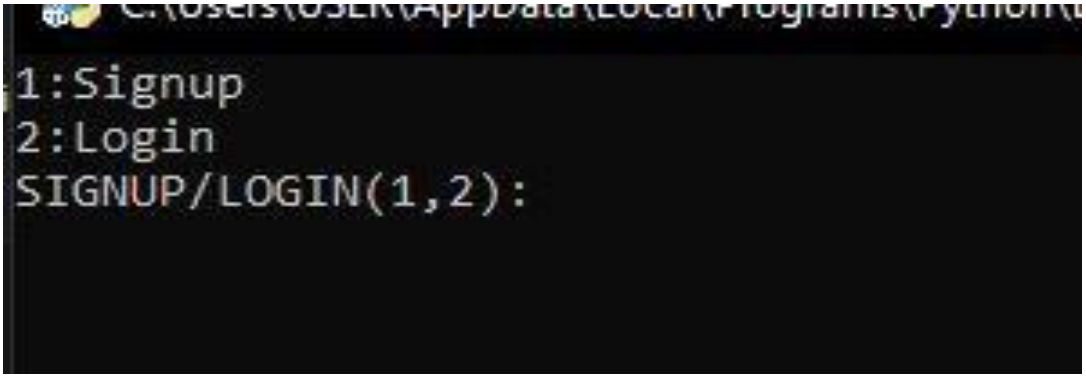
```
++++++++++++++++++++++""")

                    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,phonenumber,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++
++++++++++++++++++++++++++++++++++""")
                    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




```
1:Signup
2:Login
SIGNUP/LOGIN(1,2):1
USERNAME:book
PASSWORD:book
1:Signup
2:Login
```

```
1:Signup
2:Login
SIGNUP/LOGIN(1,2):2
USERNAME:book
VALID USERNAME!!!!!!
PASSWORD:book
++++++++++++++++++++++++
+++LOGIN SUCCESSFULL+++
++++++++++++++++++++++++
================================================================================
++++++++++++++++++++++++++    N.M.N.BOOK STORE     ++++++++++++++++++++++++++
================================================================================
1:Add Books
2:Sell 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:
```

```
================================================================================
++++++++++++++++++++++++++    N.M.N.BOOK STORE     ++++++++++++++++++++++++++
================================================================================
1:Add Books
2:Sell 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:RANDAMUZHAM
Genre:NOVEL
Enter quantity:50
Enter author name:MTV
Enter publication house:DC
Enter the price:100
++++++++++++++++++++
++SUCCESSFULLY ADDED++
....................
```

```
Enter your choice:2
AVAILABLE BOOKS...
('1984', 'George Orwell', 25, 'George Orwell', 'secker & warburg', 649)
('365 Days', 'dark romantic', 20, 'Blanka Lipinska', 'simon & schuster', 339)
('Atomic Habits', 'self help book', 25, 'james clear', 'penguinrandomhouse', 159)
('It End With Us', 'romantic drama', 30, 'Colleen Hoover', 'Atria books', 329)
('NILA', 'NOVEL', 0, 'M T V', 'DC BOOK', 500)
('RAM C/O ANANDHI', 'Romance', 30, 'AKHIL P DHARMAJAN', 'DC BOOKS', 280)
('RANDAMUZHAM', 'NOVEL', 50, 'MTV', 'DC', 100)
('sherlock holmes', '200', 30, 'Sir A.C.D', 'Shueisha', 200)
('The Alchemist', 'Adventure', 20, 'Paulo coelho', 'HarperCollins Publishers', 199)
('The Jungle Book', 'fiction', 20, 'rudyard kipling', 'macmillan & co', 270)
('The Pilgrimage', 'Adventure', 25, 'Paulo Coelho', 'HarperCollins Publishers', 299)
('wings of fire', 'Autobiography', 9, 'A P J Abdul Kalam', 'Universities Press', 320)
Enter customer name:LIJINA C V
Enter phone number:9747855900
Enter Book Name:RANDAMUZHAM
Enter the price:100
Enter quantity:1
Traceback (most recent call last):
```

```
================================================================================
++++++++++++++++++++++++++    N.M.N.BOOK STORE     ++++++++++++++++++++++++++
================================================================================
1:Add Books
2:Sell 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:3
1:Search by name
2:Search by genre
3:Search by author
Search by?:3
Enter author to search:MTV
++++++++++++++++++++
++BOOK IS IN STOCK++
++++++++++++++++++++
('RANDAMUZHAM', 'NOVEL', 50, 'MTV', 'DC', 100)
1:Add Books


Enter your choice:3
1:Search by name
2:Search by genre
3:Search by author
Search by?:2
Enter genre to search:NOVEL
++++++++++++++++++++
++BOOK IS IN STOCK++
++++++++++++++++++++
('NILA', 'NOVEL', 0, 'M T V', 'DC BOOK', 500)
('RANDAMUZHAM', 'NOVEL', 50, 'MTV', 'DC', 100)
1:Add Books




Enter your choice:4
1:New staff entry
2:Remove staff
3:Existing staff details
Enter your choice:2
Enter staff name to remove:MEERA K
++++++++++++++++++++++++++++++++
++STAFF IS SUCCESSFULLY REMOVED++
++++++++++++++++++++++++++++++++
```

```
Enter your choice:5
1:Sell history details
2:Reset Sell history
Enter your choice:1
('LIJI', '9747855900', 'NILA', 1, 500)
('sayooj', '7736742421', 'wings of fire', 1, 320)
1:Add Books
```

```
Enter your choice:5
1:Sell history details
2:Reset Sell history
Enter your choice:2
Are you sure(Y/N):Y
1:Add Books
```

```
================================================================================
++++++++++++++++++++++++++    N.M.N.BOOK STORE     ++++++++++++++++++++++++++
================================================================================
1:Add Books
2:Sell 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:6
('1984', 'George Orwell', 25, 'George Orwell', 'secker & warburg', 649)
('365 Days', 'dark romantic', 20, 'Blanka Lipinska', 'simon & schuster', 339)
('Atomic Habits', 'self help book', 25, 'james clear', 'penguinrandomhouse', 159)
('It End With Us', 'romantic drama', 30, 'Colleen Hoover', 'Atria books', 329)
('NILA', 'NOVEL', 0, 'M T V', 'DC BOOK', 500)
('RAM C/O ANANDHI', 'Romance', 30, 'AKHIL P DHARMAJAN', 'DC BOOKS', 280)
('RANDAMUZHAM', 'NOVEL', 50, 'MTV', 'DC', 100)
('sherlock holmes', '200', 30, 'Sir A.C.D', 'Shueisha', 200)
('The Alchemist', 'Adventure', 20, 'Paulo coelho', 'HarperCollins Publishers', 199)
('The Jungle Book', 'fiction', 20, 'rudyard kipling', 'macmillan & co', 270)
('The Pilgrimage', 'Adventure', 25, 'Paulo Coelho', 'HarperCollins Publishers', 299)
('wings of fire', 'Autobiography', 9, 'A P J Abdul Kalam', 'Universities Press', 320)
1:Add Books
```

CONCLUSION

To conclude , the project work titled “Bookstall management system” has been designed using python and mysql where in many user friendly form controls have been added inorder to make it a user interactive application. The system is developed in such a way that the user with common knowledge of computers can handle it easily.

BIBILIOGRAPHY

1: Computer science with python by Preeti Arora

2:www.w3schools.com