

DELHI PUBLIC SCHOOL BANGALORE EAST



Computer Science Project 2020-2021

Crime Management System



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INTRODUCTION

The crime management system can help in storing the records related to the criminals, cases, complaint record, and so on. This can allow a person to enter or delete the records if necessary. All these records can be maintained in a single database.

The program helps the user to work user friendly, saves a lot of time and minimizes the work of the police and citizens.

Security is maintained so as to ensure that only the authorized users will have access to the system.

CODE

```
import datetime
import time
import mysql.connector as sqltor

#TO GET CURRENT DATE AND TIME
now = datetime.datetime.now()
ad=now.strftime("%Y-%m-%d %H:%M")

#TO GENERATE A RANDOM NUMBER TO USE FOR CASE.NO
case_no=int(round(time.time()))

#TO CONNECT MYSQL TO PYTHON
mycon=sqltor.connect(host="localhost",user="root",passwd="Zl18020#",database="crime")
cursor=mycon.cursor()

print("                                WELCOME TO COMPLAINT MANAGEMENT SYSTEM")
print("\n")
print("                                CURRENT DATE AND TIME : ",ad,"")
print("\n")

print("1.REGISTRATION OF CASE:")
print("2.FINDING OF CASE:")
print("3.STATUS OF YOUR CASE:")
b=int(input("\n\nENTER YOUR CHOICE:"))

# CREATION OF FUNCTION TO REGISTER YOUR CASE
def crime_registration():
    global case_no
    c=case_no
    n=input("\n\nENTER YOUR NAME:")
    p=int(input("ENTER YOUR PHONE.NO:"))
    y=input("ENTER YOUR ADDRESS:")
    a=input("LOCATION OF INCIDENT:")
    d=input("DESCRIPTION OF INCIDENT:")
    r=input("YOUR RELATION WITH THE INCIDENT:")
    query="Insert into complaint4 values(%s,%s,%s,%s','%s','%s','%s')"%(c,n,p,y,a,d,r)
    cursor.execute(query)
    mycon.commit()

print("\n\nYOUR CASE NUMBER IS",case_no)
query1="insert into status4 values(%s,%s,%s)%(c,"STATION YET TO BE ASSIGNED","JUST REGISTERED")
```

```
cursor.execute(query1)
mycon.commit()
return case_no
```

CREATION OF FUNCTION TO FIND YOUR CASE

```
def find_case():
    a=int(input("\n\nENTER YOUR CASE NUMBER:"))
    cursor.execute("SELECT * FROM complaint4 WHERE case_no= {}".format(a))
    myresult=cursor.fetchall()
    #TO PRINT DETAILS OF YOUR CASE
    for row in myresult:
        print("\n\nDETAILS OF YOUR CASE:\n\n")
        print("1)YOUR NAME:",row[1])
        print("2)YOUR PHONE.NO:",row[2])
        print("3)YOUR ADRESS:",row[3])
        print("4)AREA OF CASE:",row[4])
        print("5)DESCRIPTION OF CASE:",row[5])
        print("6)RELATION WITH THE CASE:",row[6])
    return a
```

#creation of function to view status

```
def view_case():
    acd=int(input("\n\nENTER YOUR CASE NUMBER:"))
    cursor.execute("SELECT * FROM status4 WHERE caseno= {}".format(acd))
    myresult4=cursor.fetchall()
    for row4 in myresult4:
        print("\n\nPOLICE STATION ASSIGNED FOR YOUR CASE:",row4[1])
        print("STATUS OF YOUR CASE IS:",row4[2])
```

#CALLING OF CRIME REGISTRATION FUNCTION

```
if b==1:
    choice="y"
    #TO GIVE USER THE OPTION TO REGISTER ANOTHER CASE
    while choice=="y":
        crime_registration()
        print("\n")
        print("CASE REGISTERED SUCCESSFULLY")
        choice=input("\n\n DO YOU WANT TO REGISTER AN ANOTHER CASE? (y/n)")
```

#CALLING OF FIND CASE FUNCTION

```
elif b==2:
    choice1="y"
```

[illegible]

```

for abc in range(0,500):
    q=int(input("\n\nENTER YOUR CASE NUMBER:"))
    cursor.execute("SELECT * FROM complaint4 WHERE case_no= {}".format(q))
    myresult2=cursor.fetchall()
    for row in myresult2:
        print("DETAILS OF YOUR CASE:\n")
        print("1)YOUR NAME:",row[1])
        print("2)YOUR PHONE.NO:",row[2])
        print("3)YOUR ADRESS:",row[3])
        print("4)AREA OF CASE:",row[4])
        print("5)DESCRIPTION OF CASE:",row[5])
        print("6)RELATION WITH THE CASE:",row[6])
    strn=input("PRESS 'y' TO SEARCH FOR ANOTHER CASE OR ANY OTHER
KEY TO EXIT THE SEARCH")
    if strn=='y' or strn=='Y':
        print("SEARCHING FOR ANOTHER CASE\n")
    else:
        print("YOUR RESULT\n")
        break

elif x==3:
    for j in range(0,500):
        m=int(input("\n\nENTER THE CASE NUMBER:"))
        o=input("ENTER THE POLICE STATION TO BE ASSIGNED:")
        st="UPDATE status4 SET assignment='%s' WHERE caseno='%s'"%(o,m)
        cursor.execute(st)
        mycon.commit()
        str=input("PRESS 'y' TO REPEAT THE PROCESS OR ANY OTHER KEY TO
EXIT")

        if str=='y' or str=='Y':
            print("\n\nASSIGNING FOR A DIFFERENT CASE")
        else:
            print("ASSIGNED SUCESSFULLY")
            break

elif x==4:
    for u in range(0,500):
        v=int(input("ENTER THE CASE NUMBER:"))
        ab=input("ENTER THE UPDATED STATUS:")
        st1="UPDATE status4 SET status='%s' WHERE caseno='%s'"%(ab,v)

        cursor.execute(st1)
        mycon.commit()
        str1=input("PRESS 'y' TO REPEAT THE PROCESS OR ANY OTHER KEY TO
EXIT")

        if str1=='y' or str1=='Y':
            print("\n\n ASSIGNING FOR A DIFFERENT CASE")
        else:

```



```
        print("STATUS UPDATED SUCESSFULLY")
        break
```

```
    else:
        print("INVALID INPUT")
        break
```

```
    else:
        x="break"
        print("\n\n YOUR USERNAME OR PASSWORD IS INCORRECT")
        break
```

```
    x="break"
    if x=="break":
        break
```

```
str2=input("PRESS 'y' TO LOGIN AGAIN AND ANY OTHER KEY TO EXIT THE DATABASE")
if str2=='y' or str2=='Y':
    print("WELCOME BACK")
else:
    print("")
    break
```

```
#TO FILTER OUT UNWANTED INPUT
else:
    print("\n\nINVALID CHOICE")
```

```
print("\n")
print("
")
```

THANK YOU FOR YOUR TIME

OUTPUT

WELCOME TO COMPLAINT MANAGEMENT SYSTEM

CURRENT DATE AND TIME : 2021-02-07 19:37

- 1.REGISTRATION OF CASE:
- 2.FINDING OF CASE:
- 3.STATUS OF YOUR CASE:

ENTER YOUR CHOICE:1

ENTER YOUR NAME:Zahaan
ENTER YOUR PHONE.NO:9886655123
ENTER YOUR ADDRESS:mg road
LOCATION OF INCIDENT:sarjapur
DESCRIPTION OF INCIDENT:robbery
YOUR RELATION WITH THE INCIDENT:witness

YOUR CASE NUMBER IS 1612706845

CASE REGISTERED SUCCESSFULLY

DO YOU WANT TO REGISTER AN ANOTHER CASE? (y/n)n

THANK YOU FOR YOUR TIME

===== RESTART: C:\Users\sladak\AppData\Local\Programs\Python\Python38-32\CRIME SYSTEM FINAL.py =====

WELCOME TO COMPLAINT MANAGEMENT SYSTEM

CURRENT DATE AND TIME : 2021-02-07 19:41

- 1.REGISTRATION OF CASE:
- 2.FINDING OF CASE:
- 3.STATUS OF YOUR CASE:

ENTER YOUR CHOICE:2

ENTER YOUR CASE NUMBER:1612706845

DETAILS OF YOUR CASE:

- 1)YOUR NAME: Zahaan
- 2)YOUR PHONE.NO: 9886655123
- 3)YOUR ADRESS: mg road
- 4)AREA OF CASE: sarjapur
- 5)DESCRIPTION OF CASE: robbery
- 6)RELATION WITH THE CASE: witness

TASK SUCCESSFUL

DO YOU WANT TO FIND ANOTHER CASE? (y/n)
n

THANK YOU FOR YOUR TIME

===== RESTART: C:\Users\sladak\AppData\Local\Programs\Python\Python38-32\CRIME SYSTEM FINAL.py =====

WELCOME TO COMPLAINT MANAGEMENT SYSTEM

CURRENT DATE AND TIME : 2021-02-07 19:42

- 1.REGISTRATION OF CASE:
- 2.FINDING OF CASE:
- 3.STATUS OF YOUR CASE:

ENTER YOUR CHOICE:3

ENTER YOUR CASE NUMBER:1612706845

POLICE STATION ASSIGNED FOR YOUR CASE: STATION YET TO BE ASSIGNED
STATUS OF YOUR CASE IS: JUST REGISTERED

TASK SUCCESSFUL

DO YOU WANT TO VIEW STATUS OF YOUR CASE? (y/n)

n

THANK YOU FOR YOUR TIME

===== RESTART: C:\Users\sladak\AppData\Local\Programs\Python\Python38-32\CRIME SYSTEM FINAL.py =====

WELCOME TO COMPLAINT MANAGEMENT SYSTEM

CURRENT DATE AND TIME : 2021-02-07 19:43

- 1.REGISTRATION OF CASE:
- 2.FINDING OF CASE:
- 3.STATUS OF YOUR CASE:

ENTER YOUR CHOICE:5014

WELCOME TO POLICE DATABASE

PLEASE ENTER STATION ID:568079

PLEASE ENTER YOUR PASSWORD:ab568079

- 1.CASE RECORDS
- 2.SPECIFIC CASE DETAILS
- 3.ASSIGNMENT OF CASES
- 4.STATUS UPDATION

ENTER YOUR CHOICE:1

('1611075360', 'y', '7', 'h', 'y', 'h', 'hbg')

('1611075360', 'yy', '65', 'hhf', 'hh', 'gg', 'ggg')

('1611075952', 'ijik', '997', 'fff', 'nnn', 'frf', 'bggg')

('1611075952', 'ggg', '0', 'ggb', 'bbb', 'gggtb', 'bbnnhg')

('1611076268', 'ff', '99', 'btb', 'jjj', 'nfd', 'htyy')

('1612703988', 'g', '0', 'hhh', 'nnj', 'nhn', 'nbb')

('1612706845', 'Zahaan', '9886655123', 'mg road', 'sarjapur', 'robbery', 'witness')

PRESS 'y' TO LOGIN AGAIN AND ANY OTHER KEY TO EXIT THE DATABASEo

THANK YOU FOR YOUR TIME

===== RESTART: C:\Users\sladak\AppData\Local\Programs\Python\Python38-32\CRIME SYSTEM FINAL.py =====

WELCOME TO COMPLAINT MANAGEMENT SYSTEM

CURRENT DATE AND TIME : 2021-02-07 19:43

- 1.REGISTRATION OF CASE:
- 2.FINDING OF CASE:
- 3.STATUS OF YOUR CASE:

ENTER YOUR CHOICE:5014

WELCOME TO POLICE DATABASE

PLEASE ENTER STATION ID:568079
PLEASE ENTER YOUR PASSWORD:ab568079

1.CASE RECORDS
2.SPECIFIC CASE DETAILS
3.ASSIGNMENT OF CASES
4.STATUS UPDATION
ENTER YOUR CHOICE:2

ENTER YOUR CASE NUMBER:1612706845
DETAILS OF YOUR CASE:

1)YOUR NAME: Zahaan
2)YOUR PHONE.NO: 9886655123
3)YOUR ADRESS: mg road
4)AREA OF CASE: sarjapur
5)DESCRIPTION OF CASE: robbery
6)RELATION WITH THE CASE: witness
PRESS 'y' TO SEARCH FOR ANOTHER CASE OR ANY OTHER KEY TO EXIT THE SEARCHo
YOUR RESULT

PRESS 'y' TO LOGIN AGAIN AND ANY OTHER KEY TO EXIT THE DATABASE:o

THANK YOU FOR YOUR TIME

===== RESTART: C:\Users\sladak\AppData\Local\Programs\Python\Python38-32\CRIME SYSTEM FINAL.py =====

WELCOME TO COMPLAINT MANAGEMENT SYSTEM

CURRENT DATE AND TIME : 2021-02-07 19:44

1.REGISTRATION OF CASE:
2.FINDING OF CASE:
3.STATUS OF YOUR CASE:

ENTER YOUR CHOICE:5014

WELCOME TO POLICE DATABASE

PLEASE ENTER STATION ID:568079
PLEASE ENTER YOUR PASSWORD:ab568079
1.CASE RECORDS
2.SPECIFIC CASE DETAILS
3.ASSIGNMENT OF CASES
4.STATUS UPDATION
ENTER YOUR CHOICE:3

ENTER THE CASE NUMBER:1612706845
ENTER THE POLICE STATION TO BE ASSIGNED:madivala
PRESS 'y' TO REPEAT THE PROCESS OR ANY OTHER KEY TO EXITo
ASSIGNED SUCESSFULLY
PRESS 'y' TO LOGIN AGAIN AND ANY OTHER KEY TO EXIT THE DATABASEp

THANK YOU FOR YOUR TIME

===== RESTART: C:\Users\sladak\AppData\Local\Programs\Python\Python38-32\CRIME SYSTEM FINAL.py =====

WELCOME TO COMPLAINT MANAGEMENT SYSTEM

CURRENT DATE AND TIME : 2021-02-07 19:45

1.REGISTRATION OF CASE:
2.FINDING OF CASE:
3.STATUS OF YOUR CASE:

ENTER YOUR CHOICE:5014

WELCOME TO POLICE DATABASE

PLEASE ENTER STATION ID:568079
PLEASE ENTER YOUR PASSWORD:ab568079
1.CASE RECORDS
2.SPECIFIC CASE DETAILS
3.ASSIGNMENT OF CASES
4.STATUS UPDATION
ENTER YOUR CHOICE:4
ENTER THE CASE NUMBER:1612706845
ENTER THE UPDATED STATUS:closed
PRESS 'y' TO REPEAT THE PROCESS OR ANY OTHER KEY TO EXITo
STATUS UPDATED SUCESSFULLY
PRESS 'y' TO LOGIN AGAIN AND ANY OTHER KEY TO EXIT THE DATABASEo

THANK YOU FOR YOUR TIME

===== RESTART: C:\Users\sladak\AppData\Local\Programs\Python\Python38-32\CRIME SYSTEM FINAL.py =====

WELCOME TO COMPLAINT MANAGEMENT SYSTEM

CURRENT DATE AND TIME : 2021-02-07 19:46

1.REGISTRATION OF CASE:

2.FINDING OF CASE:

3.STATUS OF YOUR CASE:

ENTER YOUR CHOICE:3

ENTER YOUR CASE NUMBER:1612706845

POLICE STATION ASSIGNED FOR YOUR CASE: madivala

STATUS OF YOUR CASE IS: closed

TASK SUCCESSFUL

DO YOU WANT TO VIEW STATUS OF YOUR CASE? (y/n)

n

THANK YOU FOR YOUR TIME

