

LUCKNOW PUBLIC SCHOOL

(C. P. SINGH FOUNDATION)



Project Report

Informatics Practices(065)

(Session: 2023-24)

Student Name	: Tasmay Chawla
Class	: XII
Section	: B
Roll No.	:

CERTIFICATE

NAME : TASMAY CHAWLA
ROLL NO :

CLASS/SEC : XII-B
EXAM NAME: AISSCE

This is to certify that content of this project
Medical Store Management
by
Tasmay Chawla
is the bonafide work of him/her submitted to
Lucknow Public School, Jankipuram
for consideration in the partial accomplishment of the provision of CBSE,
for the award of
All India Senior Secondary Certificate Examination
in
Informatics Practices -065

THE ORIGINAL RESEARCH WORK WAS CARRIED OUT BY HIM/HER
UNDER MY SUPERVISION IN THE ACADEMIC YEAR 2023-24. ON THE
BASIS OF THE DECLARATION MADE BY HIM/HER, I RECOMMENDED THE
PROJECT REPORT FOR EVALUATION.

EXAMINER'S SIGNATURE

TEACHER IN-CHARGE

PRINCIPAL

DATE

STAMP

ACKNOWLEDGEMENT

I take this opportunity with great pleasure and respect to express my first and foremost thanks to the principal,

“Mrs. Shabnam Singh”

for her encouragement and for the facilities that she provided for this project work. I extend my hearty thanks to

“Mr. Abhay Pratap Singh”

Informatics Practices Teacher who guided me throughout the successful completion of this project. I take this opportunity to express my deep sense of gratitude for his guidance, constant encouragement, immense motivation, which has sustained my efforts at all the stages of this project.

I can't forget to offer my sincere thanks to the parents and to also my classmates who helped me to carry out this project work successfully and for their valuable advice and support, which I received from time to time.

CONTENT

- INTRODUCTION
- SOFTWARE & HARDWARE REQUIREMENT
- SOURCE CODE IN PYTHON
- OUTPUT SCREEN
- SOFTWARE REVIEW FORM
- BIBLIOGRAPHY

INTRODUCTION

This project aims to create a user-friendly and simple **“MEDICAL STORE MANAGEMENT SYSTEM”** in which it allows the user to purchase a vehicle and the system enters its record in the database along with the previously stored data and allows user to receive the bill for their respective purchases.

The system is created by using the following technologies:

- **Python** – A general purpose programming language which is popular around the world and is easy to learn and use.
- **Pandas** – A Python library used for data management and manipulation
- **CSV(Comma Separated Values)** – A file format used to store data.

SOFTWARE AND HARDWARE REQUIREMENT

Software Specification: -

Operating system: Windows 7 or above

Platform: Python IDLE 3.10 or above

Languages: Python

Hardware specification: -

Processor: Dual core or above

Hard Disk: 40 GB

RAM: 2 GB

Note:

Please install the following libraries before running the program:

- Pandas
- Datetime

SOURCE CODE

TEXT:

```
import pandas as pd
from datetime import datetime
```

```
dfSELL=pd.read_csv('D:\\tasmay\\tasmaySELL.csv',index_col='MedID')
dfPRC=pd.read_csv('D:\\tasmay\\tasmayPRC.csv',index_col='NID')
```

```
def tsmysMS():
```

```
    print('=====TASMAY_MEDICAL_STORE=====')
    print('')
```

```
    print("""
        1) View Inventory
        2) Purchase Medicine
        3) View Purchase History
    """)
```

```
    choice = input('Enter Your Choice.')
```

```
    if choice == '1':
```

```
        print('=====INVENTORY=====')
        print('')
```

```
        print(dfSELL)
```

```
        print('=====')
        print('')
```

```
    elif choice == '2':
```

```
        print('=====PURCHASE_MEDICINE=====')
        print('')
```

```
        name = input("Enter your Name:")
```

```
        while name.isalpha() == False:
```

```
            print('Enter a valid name')
```

```
            name = input("Enter your Name:")
```

```
        nID = name[0:3] + str(datetime.now().strftime('%H%M'))
```

```
        print(dfSELL)
```

```
        net = 0
```

```
        n = int(input('Enter number of items to purchase.'))
```

```

idls = []
mednamels = []
qtyls = []
amtls = []
for i in range(n):
    id = input('Enter MedID: ')
    qty = input('Enter Quantity: ')
    while id not in list(dfSELL.index) or qty.isnumeric() == False:
        print('Enter Valid Details.')
        id = input('Enter MedID: ')
        qty = input('Enter Quantity: ')
    qty=int(qty)
    amt = int(dfSELL.at[id,'Price'])*qty
    net += int(amt)
    idls.append(id)
    mednamels.append(dfSELL.loc[id]['MedName'])
    qtyls.append(qty)
    amtls.append(amt)

dfPRC.loc[nID+str(i)]={'MedID':id,'MedName':dfSELL.loc[id]['MedName'],'Qua
ntity':qty,'Amount':amt,'Date':datetime.now().date()}
dfPRC.to_csv('D:\\tasmay\\tasmayPRC.csv')
print('Thanks for Purchasing.')

print('=====')
print('=====')
billbool = input('Would you like to receive the BILL for the above
purchase?(Answer in Y/N): ').lower()
while billbool not in ['y','yes','n','no'] == True:
    print('Enter a valid choice.')
    billbool = input(('Would you like to receive the BILL for the above
purchase?(Answer in Y/N).')).lower()
if billbool == 'y' or billbool == 'yes':
    print()
    print()

print('=====BILL=====')
print('=====')

```



```
print('Date & Time:
',datetime.now().date(),datetime.now().strftime('%H:%M:%S'))
```

```
print('=====
=====')
```

```
dfbill=pd.DataFrame({'MedID':idls,'MedName':mednamels,'Quantity':qtyls,'Amo
unt':amtls})
```

```
print(dfbill)
```

```
print('Your total is: ',net)
```

```
elif billbool == 'n' or billbool == 'no':
```

```
print('Thank You')
```

```
elif choice == '3':
```

```
print(dfPRC)
```

```
else:
```

```
    tsmysMS()
```

```
X=1
```

```
while X==1:
```

```
    tsmysMS()
```

IDLE:

```
1|import pandas as pd
2|from datetime import datetime
3|
4|dfSELL = pd.read_csv('tasmaySELL.csv',index_col='MedID')
5|dfPRC = pd.read_csv('tasmayPRC.csv',index_col='NID')
6|
7|def tsmysMS():
8|    print('=====TASMAY MEDICAL STORE=====')
9|    print('')
10|    1) View Inventory
11|    2) Purchase Medicine
12|    3) View Purchase History
13|    ''')
14|
15|    choice = input('Enter Your Choice.')
16|    if choice == '1':
17|        print('=====INVENTORY=====')
18|        print(dfSELL)
19|        print('=====')
20|    elif choice == '2':
21|        print('=====PURCHASE MEDICINE=====')
22|        name = input("Enter your Name:")
23|        while name.isalpha() == False:
24|            print('Enter a valid name')
25|            name = input("Enter your Name:")
26|        nID = name[0:3] + str(datetime.now().strftime('%H%M'))
27|        print(dfSELL)
28|        net = 0
29|        n = int(input('Enter number of items to purchase.'))
30|        idls = []
31|        mednamels = []
32|        qtyls = []
33|        amtls = []
34|        for i in range(n):
35|            id = input('Enter MedID: ')
36|            qty = input('Enter Quantity: ')
37|            while id not in list(dfSELL.index) or qty.isnumeric() == False:
38|                print('Enter Valid Details.')
39|                id = input('Enter MedID: ')
40|                qty = input('Enter Quantity: ')
41|            qty=int(qty)
42|            amt = int(dfSELL.at[id,'Price'])*qty
43|            net += int(amt)
44|            idls.append(id)
45|            mednamels.append(dfSELL.loc[id]['MedName'])
46|            qtyls.append(qty)
47|            amtls.append(amt)
48|            dfPRC.loc[nID+str(i)] = {'MedID':id,'MedName':dfSELL.loc[id]['MedName'],'Quantity':qty,'Amount':amt,'Date':datetime
49|            dfPRC.to_csv('tasmayPRC.csv')
50|        print('Thanks for Purchasing.')
51|        print('=====')
52|        billbool = input('Would you like to receive the BILL for the above purchase?(Answer in Y/N): ').lower()
53|        while billbool not in ['y','yes','n','no'] == True:
54|            print('Enter a valid choice.')
55|            billbool = input(('Would you like to receive the BILL for the above purchase?(Answer in Y/N).')).lower()
56|        if billbool == 'y' or billbool == 'yes':
57|            print()
58|            print()
59|            print('=====BILL=====')
60|            print('Date & Time: ',datetime.now().date(),datetime.now().strftime('%H:%M:%S'))
61|            print('=====')
62|            dfbill = pd.DataFrame({'MedID':idls,'MedName':mednamels,'Quantity':qtyls,'Amount':amtls})
63|            print(dfbill)
64|            print('Your total is: ',net)
65|        elif billbool == 'n' or billbool == 'no':
66|            print('Thank You')
67|
68|    elif choice == '3':
69|        print(dfPRC)
70|
71|    else:
72|        tsmysMS()
73|
74|X=1
75|while X==1:
76|    tsmysMS()
```

OUTPUT

Main Menu

```
=====TASMAY MEDICAL STORE=====

1) View Inventory
2) Purchase Medicine
3) View Purchase History

Enter Your Choice. |
```

Viewing Inventory

```
=====TASMAY MEDICAL STORE=====

1) View Inventory
2) Purchase Medicine
3) View Purchase History

Enter Your Choice.1
=====INVENTORY=====
MedID      MedName  Stock  Price
PCM        Paracetamol  700    5
IPF        Ibuprofen   500    7
DFC        Diclofenac  454    5
AMX        Amoxycillin 741    4
AZN        Azithromycin 789   10
CZN        Cetirizine  241   14
LTD        Loratadine  654   10
MLT        Montelukast 741   16
SML        Salbutamol  253   14
FCS        Fluticasone 145   15
=====
```

Purchasing Menu

```
=====TASMAY MEDICAL STORE=====

1) View Inventory
2) Purchase Medicine
3) View Purchase History

Enter Your Choice.2
=====PURCHASE MEDICINE=====
Enter your Name:User
MedID      MedName  Stock  Price
PCM        Paracetamol  700    5
IPF        Ibuprofen   500    7
DFC        Diclofenac  454    5
AMX        Amoxycillin 741    4
AZN        Azithromycin 789   10
CZN        Cetirizine  241   14
LTD        Loratadine  654   10
MLT        Montelukast 741   16
SML        Salbutamol  253   14
FCS        Fluticasone 145   15
Enter number of items to purchase.1
Enter MedID: PCM
Enter Quantity: 2
Thanks for Purchasing.
```

Billing

```
Would you like to receive the BILL for the above purchase?(Answer in Y/N): Y

=====BILL=====
Date & Time: 2023-11-27 22:10:41
=====
MedID      MedName  Quantity  Amount
0  PCM  Paracetamol      2      10
Your total is: 10
```

SOFTWARE REVIEW FORM

Name of Reviewer: Khwaish Chawla	Name of Developer: Tasmay Chawla
Profession/Education Level: MBBS	Class: 12
Age:20	Section: B

Language used in the project: **Python**

Topic of project	Medical Store Management System
Your views about it	Simple, Easy to use, No Errors
Was the program easy to use?	Yes
Any flaws?	No
What could have made it better?	Option to update past purchases
Is the language used clearly indicated?	Yes
Was the developer able to solve your queries?	Yes
Rate the software	A



Sign of Reviewer:.....

Sign of Teacher:.....

BIBLIOGRAPHY

- <https://www.google.com/>
- <https://www.geeksforgeeks.org/python-pandas-dataframe/>
- <https://www.geeksforgeeks.org/python-datetime-module/>