LUCKNOW PUBLIC SCHOOL
(C. P. SINGH FOUNDATION)

Project Report
Informatics Practices(065)
(Session: 2023-24)

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CERTIFICATE

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This is to certify that content of this project
Bike Showroom Management
by
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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

<u>ACKNOWLEDGEMENT</u>

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 thisproject.

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.

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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 laguage
  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

SOURCE CODE

```python
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 tsmyMS():

    print('===================================TASMAY_MEDICAL_STORE=====
    ===========================')
    print('''
     1) View Inventory
     2) Purchase Medicine
     3) View Purchase History
     ''')

    choice = input('Enter Your Choice.')
    if choice == '1':
            print('==================================INVENTORY=============
===================')
            print(dfSELL)

            print('=================================================================
=====================')
    elif choice == '2':
            print('===============================PURCHASE_MEDICINE=========
=====================')
            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'],'Quantity':
qty,'Amount':amt,'Date':datetime.now().date()}
dfPRC.to_csv('D:\\tasmay\\tasmayPRC.csv')
print('Thanks for Purchasing.')

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

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

dfbill=pd.DataFrame({'MedID':idls,'MedName':mednamels,'Quantity':qtyls,'Amount':a
mtls})
```

```
                print(dfbill)
                print('Your total is: ',net)
                elif billbool == 'n' or billbool == 'no':
                print('Thank You')
        elif choice == '3':
            print(dfPRC)


        else:
            tsmyMS()
X=1
while X==1:
    tsmyMS()
```

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

dfSELL = pd.read_csv('D:\\ASHU\\codes\\Python\\school\\c12\\project\\tasmay\\tasmaySELL.csv',index_col='MedID')
dfPRC = pd.read_csv('D:\\ASHU\\codes\\Python\\school\\c12\\project\\tasmay\\tasmayPRC.csv',index_col='NID')

def tsmyMS():
        print('================================TASMAY MEDICAL STORE================================')
        print('''
          1) View Inventory
          2) Purchase Medicine
          3) View Purchase History
          ''')

        choice = input('Enter Your Choice.')
        if choice == '1':
            print('===============================INVENTORY===============================')
            print(dfSELL)
            print('======================================================================')
        elif choice == '2':
            print('===========================PURCHASE MEDICINE===========================')
            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 = []
```

```python
            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'],'Quantity':qty,'Amount':amt,'Date':datetime.no
                dfPRC.to_csv('D:\\ASHU\\codes\\Python\\school\\c12\\project\\tasmay\\tasmayPRC.csv')
            print('Thanks for Purchasing.')
            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('Date & Time: ',datetime.now().date(),datetime.now().strftime('%H:%M:%S'))
                print('======================================================================')
                dfbill = pd.DataFrame({'MedID':idls,'MedName':mednamels,'Quantity':qtyls,'Amount':amtls})
                print(dfbill)
                print('Your total is: ',net)
            elif billbool == 'n' or billbool == 'no':
                print('Thank You')
        elif choice == '3':
            print(dfPRC)

        else:
            tsmyMS()
X=1
while X==1:
    tsmyMS()
```

OUTPUT


```
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct  2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

= RESTART: D:\ASHU\codes\Python\school\c12\project\tasmay\tasmay.py
==============================TASMAY MEDICAL STORE==============================

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

Enter Your Choice.1
==================================INVENTORY====================================
             MedName  Stock  Price
MedID
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
==============================================================================
==============================TASMAY MEDICAL STORE==============================

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

Enter Your Choice.2
==============================PURCHASE MEDICINE================================
```

```
==============================PURCHASE MEDICINE================================
Enter your Name:Tasmay
             MedName  Stock  Price
MedID
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.
==============================================================================
Would you like to receive the BILL for the above purchase?(Answer in Y/N): Y


===============================BILL===========================================
Date & Time:  2023-11-17 02:15:21
==============================================================================
   MedID      MedName  Quantity  Amount
0    PCM  Paracetamol         2      10
Your total is:  10
==============================TASMAY MEDICAL STORE==============================

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

```
Enter MedID: PCM
Enter Quantity: 2
Thanks for Purchasing.
============================================================================
Would you like to receive the BILL for the above purchase?(Answer in Y/N): Y


================================BILL========================================
Date & Time:  2023-11-17 02:15:21
============================================================================
  MedID      MedName  Quantity  Amount
0   PCM  Paracetamol         2      10
Your total is:  10
===============================TASMAY MEDICAL STORE=========================

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

Enter Your Choice.3
         MedID      MedName   Quantity   Amount        Date
NID
Ash10280   PCM   Paracetamol         1       5  2023-09-03
Ash10281   DFC    Diclofenac         5      25  2023-09-03
ash01560   PCM   Paracetamol         3      15  2023-11-17
Tas02150   PCM   Paracetamol         2      10  2023-11-17
===============================TASMAY MEDICAL STORE=========================

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

Enter Your Choice.
```

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