CLOTHING MANAGEMENT

SYSTEM

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Project File

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Class : XII COMMERCE

Roll no. :

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ACKNOWLEDGMENT

I would like to extend my sincere and heartfelt obligation towards all those who have helped me in making this project without their active guidance help, cooperation and encouragement I would not have been able to present the project on time.

I am extremely thankful and pay my sincere gratitude to my teacher **Mukesh Prasad** *sir for his valuable guidance and support for completion of this project.*

I extend my sincere gratitude to my principle Mr. Birendra Yadav for the moral support extended during tenure of this project.

CERTIFICATE

This is to certify that the project work on clothing

management system based on the curriculum of CBSE

has been completed by Preeti Raj of class XII Commerce of

Mount Olivet Sr. Sec. School , Sant Nagar , Burari .

The above mentioned project work has been completed

under my guidance during the academic year

2023 – 2024 .

Signature of teacher's :

Signature of invigilator :

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INTRODUCTION

This software project is developed to show the clothing management. The purpose of this project is to development the management information system to automate the record keeping of clothes quantity, types ,price and many more.

This software project being simple does not require any special skill or knowledge to users and can help to keep proper records.

HARDWARE & SOFTWARE

REQUIREMENT

❖ HARDWARE REQUIREMENT :-

1) *Laptop*

2) *Minimum 1gb of ram`*

❖ SOFTWARE REQUIREMENT :-

1) Windows operating system

2) Python 3.10

3) Ms-Excel for CSV files

4) MS-Word

OBJECTIVE

The objective of the software project is to develop a computerized MIS to automate the functions of a CLOTHING MANAGEMENT SYSTEM. This software project is also aimed to enhance the current record keeping system, which will help managers to retrieve the up-to-date information at right time in right shape.

The proposed software system is expected to do the following functionality-

a) To provide a user friendly, Graphical User Interface (GUI) based integrated and centralized environment for MIS activities.

b) The proposed system should maintain all the records and transactions, and should generate the required reports and information when required.

c) To provide graphical and user-friendly interface to interact with a centralized database based on client-server architecture.

d) To identify the critical operation procedure and possibilities of simplification using modern IT tools and practices.

CODING

```python
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt

repeat="yes"
while repeat.lower()=="yes":

    print("CLOTHING MATERIAL MANAGEMENT SYSTEM")
    print(".......................................................................")
    print("1.To show the records n numbers of rows \
    \n2.To count the records\
    \n3.To add new record\
    \n4.Maximum quantity of clothes\
    \n5.Minimum quantity of clothes\
    \n6.To sort the records\
    \n7.To show the available clothes\
    \n8.To delete a record\
    \n9.To display graph ")
    print(".......................................................................")
    ch=int(input("enter your choice....\n"))

    #To show the records n numbers of rows
    if ch==1:
        de=int(input("1.starting rows\n2.ending rows\nEnter your choice="))
        r=int(input("Number of rows you want to see......"))
        df=pd.read_csv("D:\\CLOTHING.csv")
        print('-----------------------------------------------')
        print('===============================================')
        if de==1:
            print(df.head(r))
        else:
            print(df.tail(r))
        print('-----------------------------------------------')
        print('===============================================')

    #To count the records
    elif ch==2:
```

```python
        df=pd.read_csv("D:\\CLOTHING.csv")
        print('total records are::\n',df.count())
        print('-------------------------------------------------')
        print('===================================================')

    #To add new record
    elif ch==3:
        d=pd.read_csv("D:\\CLOTHING.csv")
        s1=input("enter code....")
        s2=input("enter categoryname....")
        s3=input("enter item name....")
        s4=input("enter brand name....")
        s5=int(input("enter selling price...."))
        s6=int(input("enter quantity in stock...."))
        s7=int(input("enter total sold...."))

        di=pd.DataFrame({"code":[s1],"category":[s2],"items":[s3],
                "brandname":[s4],"sellingprice":[s5],"quantityavailable":[s6],
                "totalout":[s7]})
        di=pd.concat([d,di],ignore_index=True)

        di.to_csv("D:\\CLOTHING.csv",index=False)
        print("Your record has been added...........")
        print('-------------------------------------------------')
        print('===================================================')

    #Maximum quantity of clothes
    elif ch==4:
        df=pd.read_csv("D:\\CLOTHING.csv")
        print('Maximum quantity of clothes:::: ')
        print(df[["items","quantityavailable"]].max())

    #Minimum quantity of clothes
    elif ch==5:
        df=pd.read_csv("D:\\CLOTHING.csv")
        print('Minimum quantity of clothes::::')
        print(df[["items","quantityavailable"]].min())

    #To sort the records
    elif ch==6:
        print('to sort the records')
        df=pd.read_csv("D:\\CLOTHING.csv")
        print(df[['quantityavailable','items','category']].sort_values(by=['quantityavailable']))
```

```python
    print('--------------------------------------------------')
    print('==================================================')


#To show the available clothes
elif ch==7:
    print('to show the available clothes')
    df=pd.read_csv("D:\\CLOTHING.csv")
    print(df[['items','category']][df['quantityavailable'].notna()])
    print('--------------------------------------------------')
    print('==================================================')


#To delete a record
elif ch==8:
    print('to delete a record')
    df=pd.read_csv("D:\\CLOTHING.csv")
    code=input("Enter code to delete :")
    print("Data To Be Deleted \n")
    print(df[df["code"]==code])
    codeindex=df[df["code"]==code].index
    df.drop(codeindex,inplace=True)
    print('--------------------------------------------------')
    print("Data Has Been Deleted \n")
    print('--------------------------------------------------')
    print('==================================================')


#To display graph
elif ch==9:
    df=pd.read_csv("D:\\CLOTHING.csv")
    df[['totalout','quantityavailable']].plot()
    plt.title("Sold and remaining stock")
    plt.xlabel("stock present and sold")
    plt.ylabel("quantity")
    plt.grid()
    plt.show()


else:
    print("\nYou have enter wrong option I>-<I")
    print("Please choose from given option")
repeat=input("Do you want to see main menu again ? (yes/no) : ")
```

OUTPUT

excel sheet

	A	B	C	D	E	F	G
1	code	category	items	brandname	sellingprice	quantityavailable	totalout
2	coo1	shirts	crop	biba	200	500	200
3	coo2	shirts	long	zara	300	550	300
4	coo3	shirts	formal	h&m	400	200	100
5	coo4	shirts	denim	h&m	200	400	200
6	coo5	trousers	cargo	biba	400	600	300
7	coo6	trousers	cotton	zara	300	100	50
8	coo7	trousers	high waist	h&m	250	500	250
9	coo8	trousers	formal	zara	200	400	100
10	coo9	tops	off shoulder	biba	300	600	100
11	coo10	tops	embroidered	zara	350	700	300
12	coo11	tops	tank	h&m	250	450	150
13	coo12	gowns	partywear	h&m	400	400	150
14	coo13	gowns	dupatta	biba	500	200	150
15	coo14	gowns	georgette	biba	550	200	50
16	coo15	gowns	anarkali	zara	450	250	100
17	coo16	tshirts	oversize	h&m	200	300	100
18	coo17	tshirts	polo	zara	150	600	400
19	coo18	tshirts	colorblockes	biba	150	800	500
20	coo19	skirts	denim skirts	zara	200	700	500
21	coo20	skirts	long skirts	h&m	250	650	200
22	coo21	skirts	mini	zara	300	400	250

OPTIONS

```
Type "help", "copyright", "credits" or "license()" for more information.
>>>

======= RESTART: C:\Users\preet\OneDrive\Desktop\Clothing py.py ======
CLOTHING MATERIAL MANAGEMENT SYSTEM
...........................................................
1.To show the records n numbers of rows
2.To count the records
3.To add new record
4.Maximum quantity of clothes
5.Minimum quantity of clothes
6.To sort the records
7.To show the available clothes
8.To delete a record
9.To display graph
...........................................................
enter your choice....
```

OPTIONS : 1

  i.

enter your choice....
1
1.starting rows
2.ending rows
Enter your choice=1
Number of rows you want to see......2

==
  code category items brandname sellingprice quantityavailable totalout
0 coo1 shirts crop   biba   200   500   200
1 coo2 shirts long   zara   300   550   300

==
Do you want to see main menu again ? (yes/no) :

==
Do you want to see main menu again ? (yes/no) : yes
CLOTHING MATERIAL MANAGEMENT SYSTEM
....

  ii.

1
1.starting rows
2.ending rows
Enter your choice=2
Number of rows you want to see......3

==
   code category   items ... sellingprice quantityavailable totalout
19 coo20 skirts long skirts ...   250   650   200
20 coo20 skirts long skirts ...   250   650   200
21 coo21 skirts   mini ...   300   400   250

[3 rows x 7 columns]

==
Do you want to see main menu again ? (yes/no) :

==
Do you want to see main menu again ? (yes/no) : yes

enter your choice....
2
total records are::
 code   22
category   22
items   22
brandname   22
sellingprice   22
quantityavailable   22
totalout   22
dtype: int64

==
Do you want to see main menu again ? (yes/no) :

==
Do you want to see main menu again ? (yes/no) : yes

OPTIONS : 3

enter your choice....
3
enter code....coo22
enter categoryname....skirts
enter item name....party wear
enter brand name....biba
enter selling price....250
enter quantity in stock....400
enter total sold....250
Your record has been added...........

==
Do you want to see main menu again ? (yes/no) : |

==
Do you want to see main menu again ? (yes/no) : yes

OPTIONS : 4

enter your choice....
4
Maximum quantity of clothes::::
items   tank
quantityavailable   800
dtype: object
Do you want to see main menu again ? (yes/no) : yes

enter your choice....
5
Minimum quantity of clothes::::
items   anarkali
quantityavailable   100
dtype: object
Do you want to see main menu again ? (yes/no) : yes

....
enter your choice....
6
to sort the records

	quantityavailable	items	category
5	100	cotton	trousers
2	200	formal	shirts
13	200	georgette	gowns
12	200	dupatta	gowns
14	250	anarkali	gowns
15	300	oversize	tshirts
11	400	partywear	gowns
21	400	mini	skirts
22	400	party wear	skirts
7	400	formal	trousers
3	400	denim	shirts
10	450	tank	tops
6	500	high waist	trousers
0	500	crop	shirts
1	550	long	shirts
4	600	cargo	trousers
16	600	polo	tshirts
8	600	off shoulder	tops
19	650	long skirts	skirts
20	650	long skirts	skirts
9	700	embroidered	tops
18	700	denim skirts	skirts
17	800	colorblockes	tshirts

==
Do you want to see main menu again ? (yes/no) : yes

....
enter your choice....
7
to show the available clothes

```
      items  category
0       crop    shirts
1       long    shirts
2       formal   shirts
3       denim    shirts
4       cargo  trousers
5       cotton  trousers
6    high waist  trousers
7       formal  trousers
8   off shoulder     tops
9   embroidered     tops
10       tank     tops

11    partywear     gowns
12     dupatta     gowns
13    georgette     gowns
14     anarkali     gowns
15     oversize   tshirts
16       polo   tshirts
17  colorblockes   tshirts
18  denim skirts    skirts
19  long skirts    skirts
20  long skirts    skirts
21       mini    skirts
22   party wear    skirts
```

==
Do you want to see main menu again ? (yes/no) : yes

enter your choice....
8
to delete a record
Enter code to delete :coo22
Data To Be Deleted

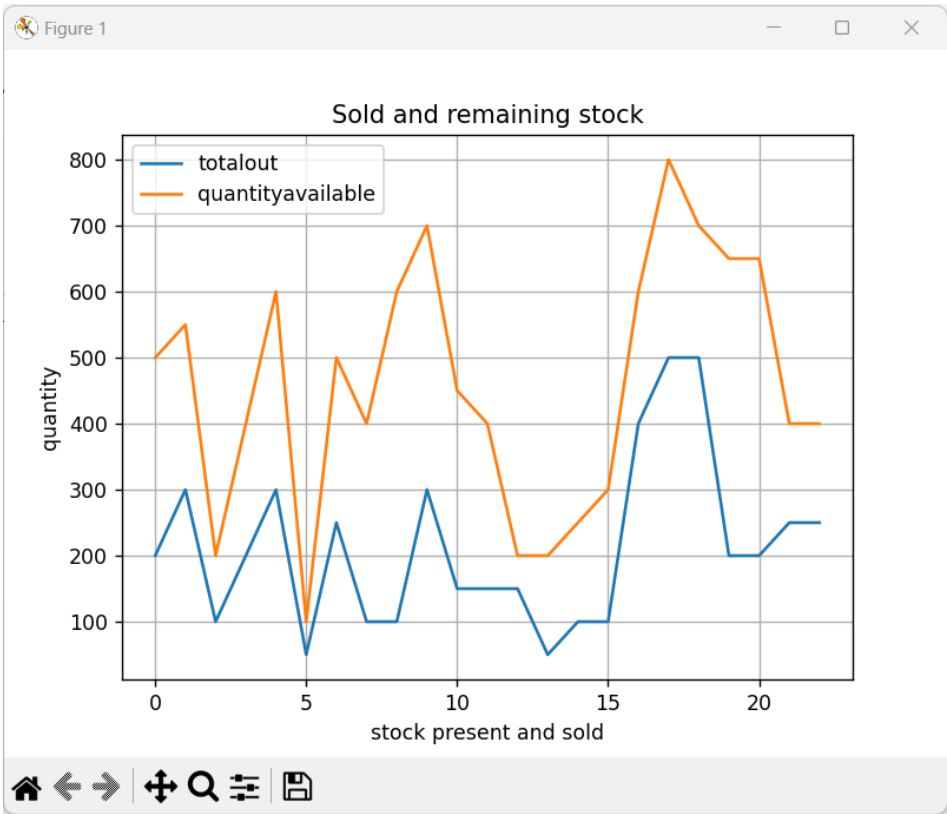   code category   items ... sellingprice quantityavailable totalout
22 coo22 skirts party wear ...   250   400   250

[1 rows x 7 columns]

Data Has Been Deleted

===
Do you want to see main menu again ? (yes/no) : yes

OPTIONS : 9

BIBLOGRAPHY

For successfully completing my project file . I have

taken help from the following website links :-

- ✓ *www.google.com*
- ✓ youtube
- ✓ Infomatics practices book