St. WILFRED'S SCHOOL

CBSE AFFILIATION NO.:1130474

SHEDUNG, PANVEL

GROCERY SHOP MANAGEMENT

A COMPUTER SCIENCE PROJECT REPORT SUBMITTED

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In Partial Fulfilment Of The CBSE Grade XII (Science) In Computer Science

CERTIFICATE

This is to certify that Mr. _____ , Class XII of ST. WILFRED SCHOOL, PANVEL, with Register No. _____ , carried out the project in computer science titled, "GROCERY SHOP MANAGEMENT " for the partial fulfilment of All India Secondary School Certificate Examination (AISSCE) as prescribed by CBSE in the year 2020-2021.

DATE: _____

Signature of Candidate	**Signature of Teacher In-charge**
Signature of the Principal	**Signature of the External Examiner**

COMPUTER SCIENCE PROJECT

TOPIC: GROCERY SHOP MANAGEMENT

ACKNOWLEDGEMENT

I would like to thank my teacher, Ms. Rupali Ghadge for guiding me through this project and for her valuable inputs which provided me with a constant nudge for improvement. This is imperative to thank our Principal Ms. Shachi Jolly for providing me the opportunity to work on this project. This project and reading-up on the same has provided me with an in depth understanding of the topic. It has nurtured my scientific temperament and curiosity.

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Preface

This software is used to maintain the shop customer-detail, product, details, worker-detail maintain the shop in updated and maintain records of in and out data of shop.

A grocery store is a retail store that primarily sells food. A grocer is a bulk seller of food.

As pollution around the globe increased, it can quiet inadvisable to purchase groceries and other food related stuff from the roadsides as well as in malls.

Whether in charge of a small grocery shop which is individually owned or one that is a part of a large chain of international and/or domestic shop maintaining a grocery shop, either through online or outside of our houses, becomes highly crucial and carrying a huge amounts of individual and/or partnered responsibility in order to achieve a maximum amount of success in this business and/or job.

Minimum Hardware and Software Requirements

HARDWARE REQUIRMENTS:

I.OPERATING SYSTEM	:	WINDOWS 10 AND ABOVE
II. PROCESSOR	:	PENTIUM (ANY) OR AMD ATHALON (3800+- 4200+ DUAL CORE)
III. MOTHERBOARD	:	1.845 OR 915,995 FOR PENTIUM 0R MSI K9MM-V VIA K8M800+8237R PLUS CHIPSET FOR AMD ATHALON
IV. RAM	:	512MB+
V. Hard disk	:	SATA 40 GB OR ABOVE
VI. CD/DVD r/w multi drive combo:		(If back up required)
VII. FLOPPY DRIVE 1.44 MB	:	(If Backup required)
VIII. MONITOR 14.1 or 15 -17 inch		
IX. Key board and mouse		
X. Printer	:	(if print is required – [Hard copy])

SOFTWARE REQUIREMENTS;

I. Windows OS
II. Python
III. mysql

Introduction to Python

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development, as well as for use as a scripting or glue language to connect existing components together. Python's simple, easy to learn syntax emphasizes readability and therefore reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse. The Python interpreter and the extensive standard library are available in source or binary form without charge for all major platforms, and can be freely distributed.

DATA-FLOW DIAGRAMS

Coding

```
import mysql.connector as sql
conn=sql.connect(host='localhost',user='root',passwd='manager',database=
'grocery_shop')
if conn.is_connected():
    print('successfully connected')
c=conn.cursor()


print('grocery shop management system')
print('1.login')
print('2.exit')
choice=int(input('enter your choice:'))
if choice==1:
    user_name=input('enter your user name=')
    password=input('enter your password=')
    while user_name=='nitin' and password=='nitin123':
        print('connected successfully')


        print('grocery shop')
        print('1.customer details')
        print('2.product details')
        print('3.worker details')
        print('4.see all customer details')
        print('5.see all product details')
        print('6.see all worker details')
        print('7.see one customer details')
        print('8.see one product details')
        print('9.see one worker details')
        print('10.stocks')
        print('11.pie chart for avalibility of stock')
```

```
        choice=int(input('enter the choice'))
        if choice==1:
            cust_name=input('enter your name=')
            phone_no=int(input('enter your  phone number='))
            cost=float(input('enter your cost='))
            sql_insert="insert into customer_details
values("+str(phone_no)+",'"+(cust_name)+"',"+str(cost)+")"
            c.execute(sql_insert)
            conn.commit()
            print('data is updated')

        elif choice==2:
            product_name=input('enter  product name=')
            product_cost=float(input('enter the cost='))
            sql_insert="insert into product_details
values(""'"+(product_name)+"',"+str(product_cost)+")"
            c.execute(sql_insert)
            conn.commit()
            print('data is updated')

        elif choice==3:
            worker_name=input('enter your name=')
            worker_work=input('enter your work=')
            worker_age=int(input('enter your  age='))
            worker_salary=float(input('enter your salary='))
            phone_no =int(input('enter your  phone number='))
            sql_insert="insert into worker_details values("
"'"+(worker_name)+"',"
"'"+(worker_work)+"',"+str(worker_age)+","+str(worker_salary)+","+str(ph
one_no)+ ")"
            c.execute(sql_insert)
            conn.commit()
            print('data is updated')


        elif choice==4:
```

```
            t=conn.cursor()
            t.execute('select*from customer_details')
            record=t.fetchall()
            for i in record:
                print(i)

        elif choice==5:
            t=conn.cursor()
            t.execute('select*from product_details')
            record=t.fetchall()
            for i in record:
                print(i)

        elif choice==6:
            t=conn.cursor()
            t.execute('select*from worker_details')
            record=t.fetchall()
            for i in record:
                print(i)


        elif choice==7:
            a=input('enter your name')
            t='select*from customer_details where
cust_name=("{}")'.format(a)
            c.execute(t)
            v=c.fetchall()
            for i in v:
                print(v)


        elif choice==8:
            a=input('enter your product_name')
            t='select*from product_details where
product_name=("{}")'.format(a)
            c.execute(t)
```

```
            v=c.fetchall()
            for i in v:
                print(v)

        elif choice==9:
            a=input('enter your name')
            t='select*from worker_details where
worker_name=("{}")'.format(a)
            c.execute(t)
            v=c.fetchall()
            for i in v:
                print(v)

        elif choice==10:
            print('****************************************')
            f=open('test.txt','r')
            data=f.read()
            print(data)
            f.close()
            print('****************************************')

        elif choice==11:
            import matplotlib.pyplot as plt
            items=('shoes','stationary','watch','house use','food
items')
            avalibility=[156,200,103,206,196]
            colors=['red','yellowgreen','blue','gold','lightcoral']
            plt.pie(avalibility,labels=items,colors=colors)
            plt.title('avalibility of items in shop')
            plt.show()

    else:
        print('wrong password, try again ')

if choice==2:
    exit()
```

Output

```
grocery shop
1.customer details
2.product details
3.worker details
4.see all customer details
5.see all product details
6.see all worker details
7.see one customer details
8.see one product details
9.see one worker details
10.stocks
11.exit
enter the choice1
enter your name=vijay
enter your  phone number=885445555
enter your cost=4755.31
data is updated
```

```
grocery shop
1.customer details
2.product details
3.worker details
4.see all customer details
5.see all product details
6.see all worker details
7.see one customer details
8.see one product details
9.see one worker details
10.stocks
11.exit
enter the choice2
enter  product name=python book
enter the cost=575
data is updated
```

```
grocery shop
1.customer details
2.product details
3.worker details
4.see all customer details
5.see all product details
6.see all worker details
7.see one customer details
8.see one product details
9.see one worker details
10.stocks
11.exit
enter the choice3
enter your name=ganesh
enter your work=helper
enter your  age=19
enter your salary=5000
enter your  phone number=84884156
data is updated
```

```
grocery shop
1.customer details
2.product details
3.worker details
4.see all customer details
5.see all product details
6.see all worker details
7.see one customer details
8.see one product details
9.see one worker details
10.stocks
11.exit
enter the choice4
(984688556, 'nitin', 10000.0)
(945886234, 'kalanithi', 10.63)
(894555612, 'vasu don', 7356.0)
(447748454, 'vishal', 1254.0)
(895585656, 'marri', 5648.0)
(854541523, 'ankit', 1545.0)
(845786552, 'ankit', 1254.0)
(845565655, 'ganaesh', 125.0)
(848256596, 'binu', 12496.0)
(84899845, 'vibor', 50.0)
(885445555, 'vijay', 4755.31)
```

```
grocery shop
1.customer details
2.product details
3.worker details
4.see all customer details
5.see all product details
6.see all worker details
7.see one customer details
8.see one product details
9.see one worker details
10.stocks
11.pie chart for avalibility of stock
enter the choice5
('tomato', 50.0)
('watch', 1559.59)
('pen', 5.0)
('water bottel', 14.65)
('sonata', 1564.0)
('python book', 575.0)
```

```
grocery shop
1.customer details
2.product details
3.worker details
4.see all customer details
5.see all product details
6.see all worker details
7.see one customer details
8.see one product details
9.see one worker details
10.stocks
11.pie chart for avalibility of stock
enter the choice6
('nitin', 'manager', 16, 10000.0, 861024564)
('kishor', 'helper', 24, 5000.0, 875851563)
('ankit', 'maintainer', 27, 10000.0, 854851555)
('sharan', 'distibutor', 31, 10067.0, 845564155)
('marri muthu', 'owner', 32, 100000.0, 84554555)
('ganesh', 'helper', 19, 5000.0, 84884156)
```

```
grocery shop
1.customer details
2.product details
3.worker details
4.see all customer details
5.see all product details
6.see all worker details
7.see one customer details
8.see one product details
9.see one worker details
10.stocks
11.pie chart for avalibility of stock
enter the choice11
```

Bibliography

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Thank you!