Database Management Systems

2CS402

Courier Management System

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Introduction

We have make courier management system offline. Where consumer can Log in, make courier and can track it also. There is also part where employee have to log in and can see their work and update status of courier. In Addition, we have put one more menu for Admin for maintain and manupalting the whole data base.

Used recourse

We have made an GUI based application with python, easy for operating and used concept of functionality for each event. If any error occurs, then we can easily resolve it.
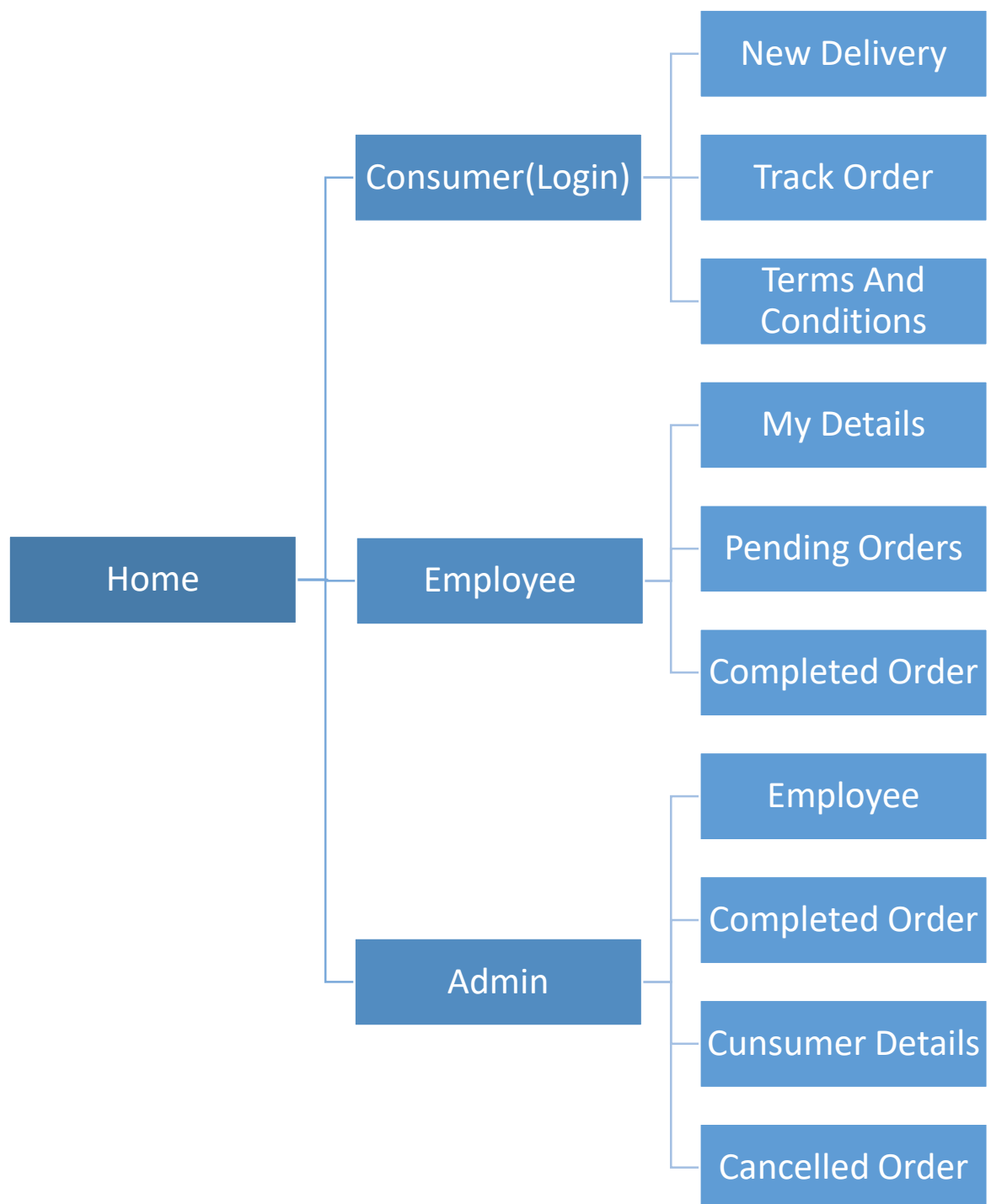
- Requirement
  - Python higher > 3.8 version
  - Tkinter
  - cx_Oracle
  - random
  - PIL (Pillow)

Keep Note That

-->import cx_Oracle as oc<--

con=oc.connect->>('system/mkv@localhost')<<-

    --------/------

coursor=con.cursor()

We have used cx_Oracle so You to chage according to yours' oracle user_name and password.

Program Flow

```
                                                         ┌──────────────────┐
                                                         │   New Delivery   │
                                                         └──────────────────┘
                                    ┌──────────────────┐ ┌──────────────────┐
                                    │ Consumer(Login)  │─┤   Track Order    │
                                    └──────────────────┘ └──────────────────┘
                                                         ┌──────────────────┐
                                                         │   Terms And      │
                                                         │   Conditions     │
                                                         └──────────────────┘

                                                         ┌──────────────────┐
                                                         │   My Details     │
                                                         └──────────────────┘
  ┌──────────────┐                  ┌──────────────────┐ ┌──────────────────┐
  │     Home     │──────────────────│    Employee      │─┤  Pending Orders  │
  └──────────────┘                  └──────────────────┘ └──────────────────┘
                                                         ┌──────────────────┐
                                                         │ Completed Order  │
                                                         └──────────────────┘

                                                         ┌──────────────────┐
                                                         │    Employee      │
                                                         └──────────────────┘
                                                         ┌──────────────────┐
                                                         │ Completed Order  │
                                    ┌──────────────────┐ └──────────────────┘
                                    │     Admin        │ ┌──────────────────┐
                                    └──────────────────┘─┤ Cunsumer Details │
                                                         └──────────────────┘
                                                         ┌──────────────────┐
                                                         │ Cancelled Order  │
                                                         └──────────────────┘
```

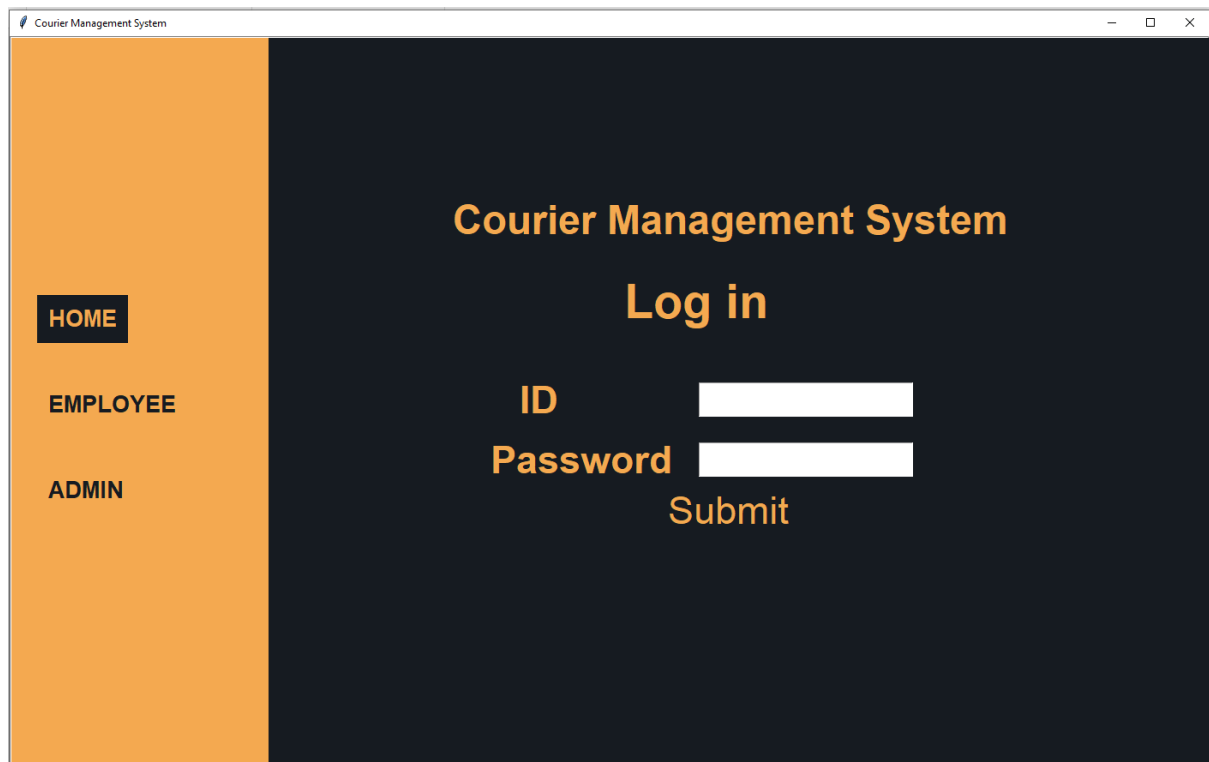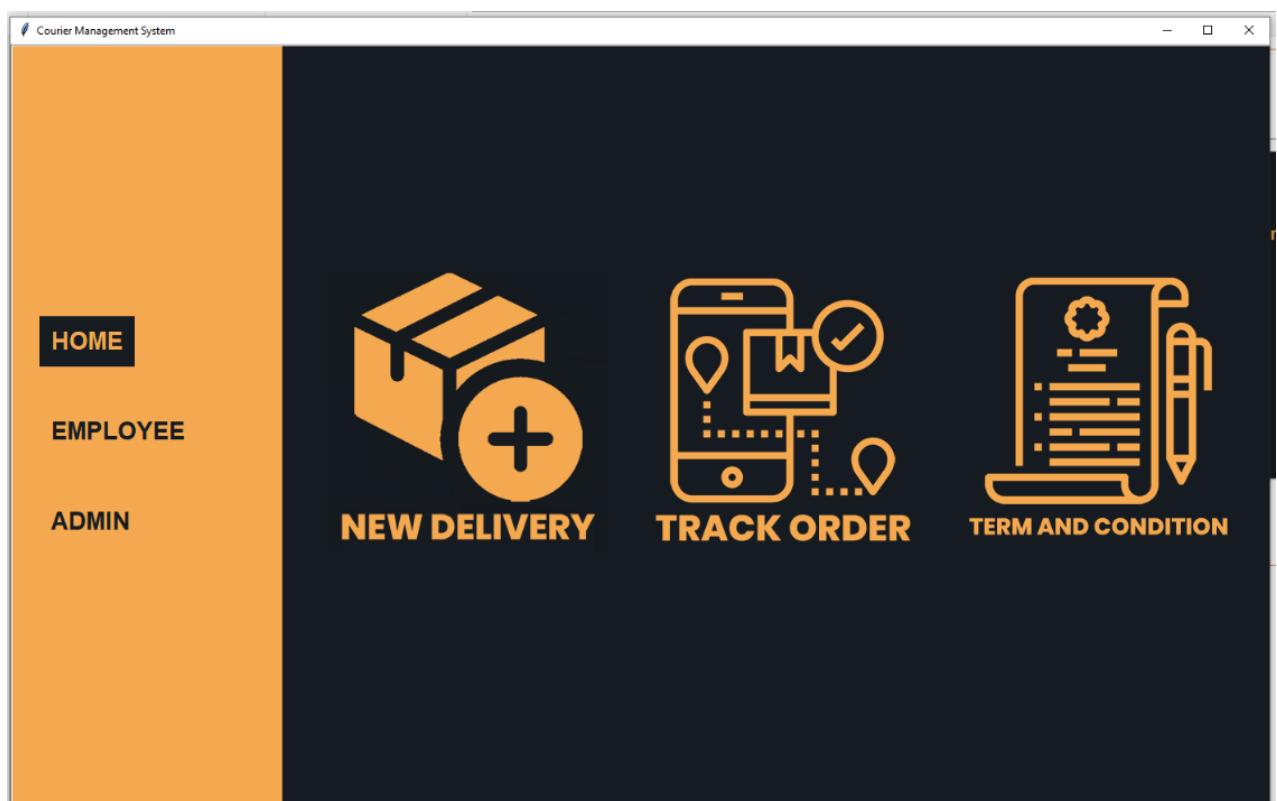# 1. Home Menu

Here User have to log in with his\her Id and password.

Quarry ::

select password_cus from customer where c_id= Consumer_id

Courier Management System

Log in

ID

Password

Submit

ID : 10001
Password : yag

2. Consumer Menu

NEW DELIVERY   TRACK ORDER   TERM AND CONDITION

3. New Delivery

Here Consumer have to fill form of his/her courier with required data of sender, receiver and properties of courier (Like Height, Weight, etc.).

Empty Form:

Customer_id		Receiver name	
Sender name	Like Yagnik...	Receiver Phon No	0
Sender Phon No	0	Receiver Pincode	0
Sender Pincode	0		

Product Details

Product Type	Like doc, Gift, etc		
Lenght	In cm	Date	Like DD/MM/YYYY
Width	0	Time	HH:MM in 24 hour
Height	0	price	On Weight
Weight	In Gram		Submit
			Back

5.Filled Form:

Customer_id	10001	Receiver name	Maulik
Sender name	Yagnik	Receiver Phon No	9078099790
Sender Phon No	90899098	Receiver Pincode	395007
Sender Pincode	395006		

Product Details

Product Type	Gift		
Lenght	15	Date	11/05/2021
Width	20	Time	10:40
Height	30	price	420.0
Weight	1400		Submit
			Back

After Submitting Data One pop will rise for confirming the data.

4. Track Order

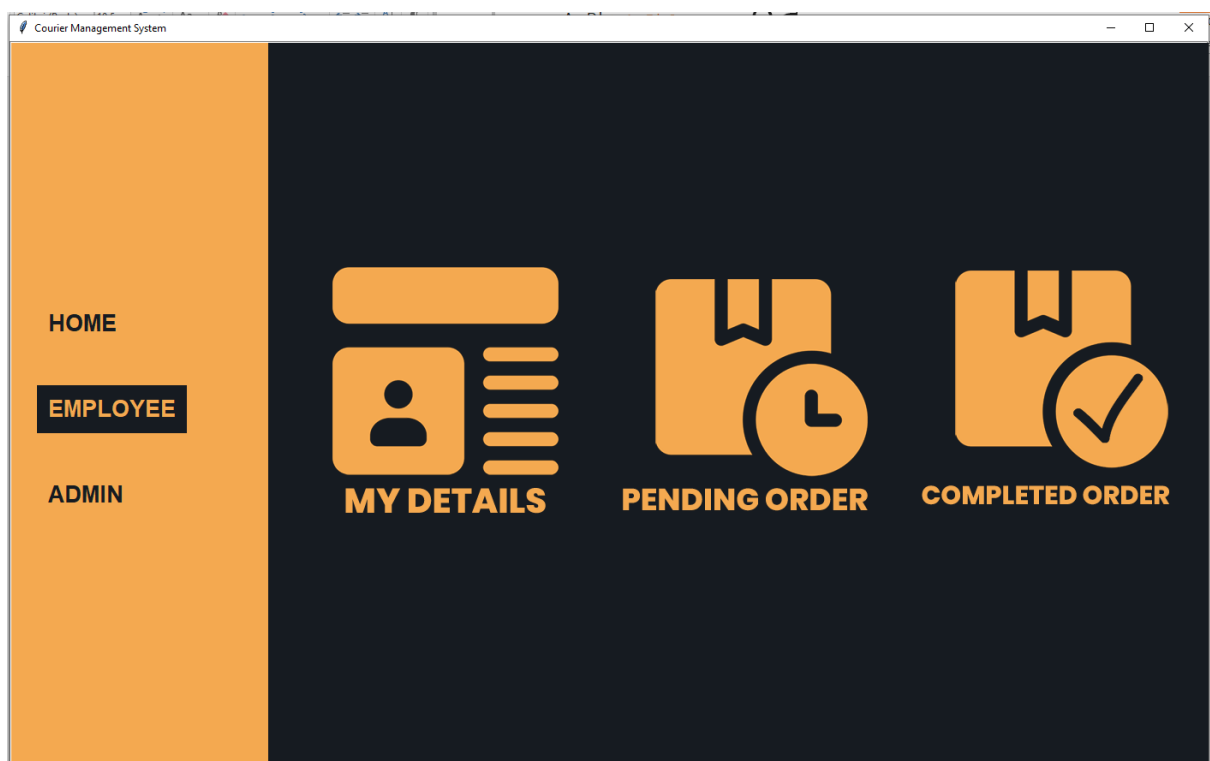Here Consumer can cancel the Corier.

5. Terms and Conditions
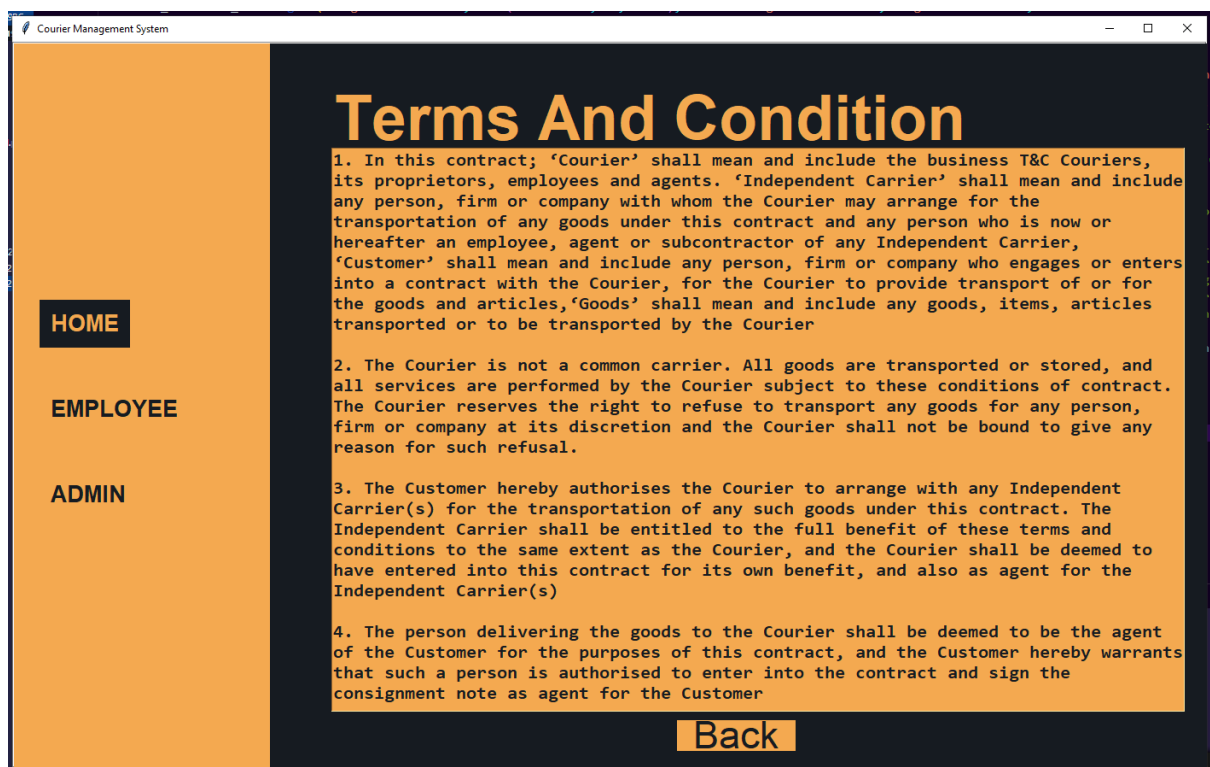
6. Employee

As consumer has login menu like that Employee has log in menu they have to enter their employee id and password.

ID :20001

Password: san

7. My details

Here Employee can view his/her details.

8. Pending Order

Like there is written employee can add status of courier like received at hub, Delivery, etc.

9. Completed Orders
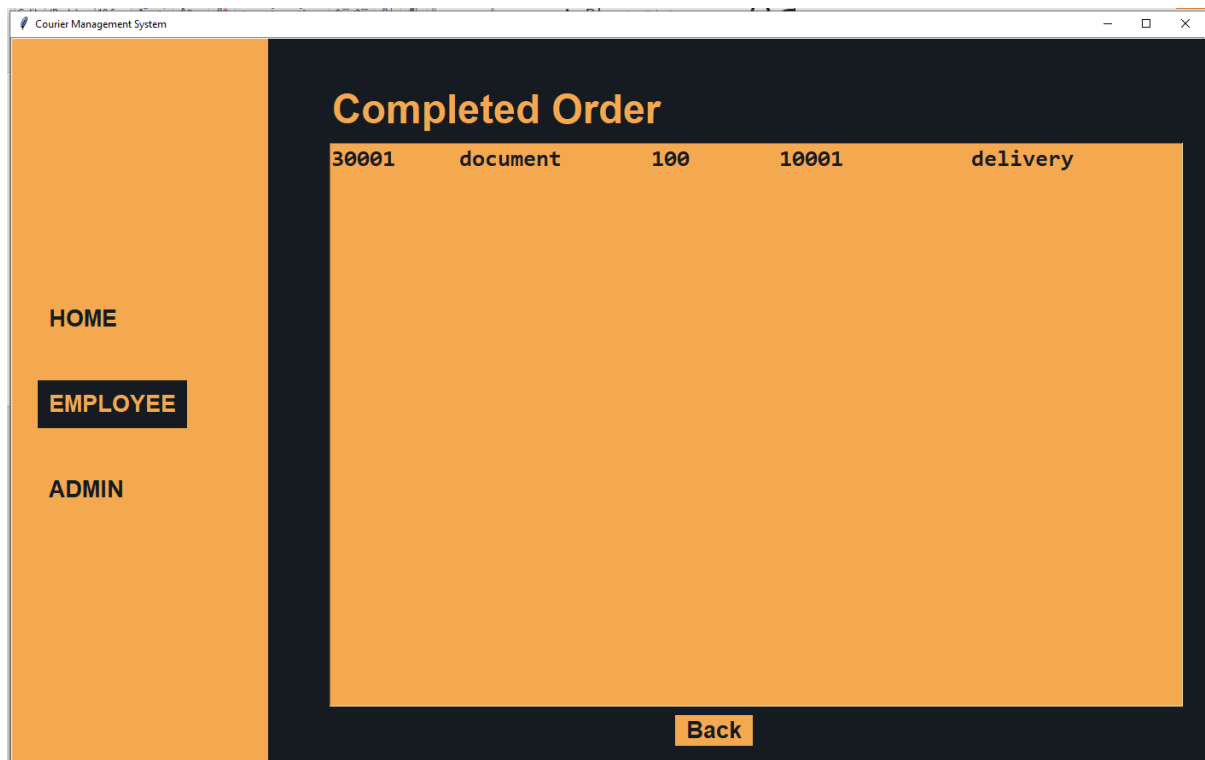
Here is List of all couriers which are delivered by that employee.

10. Admin Login

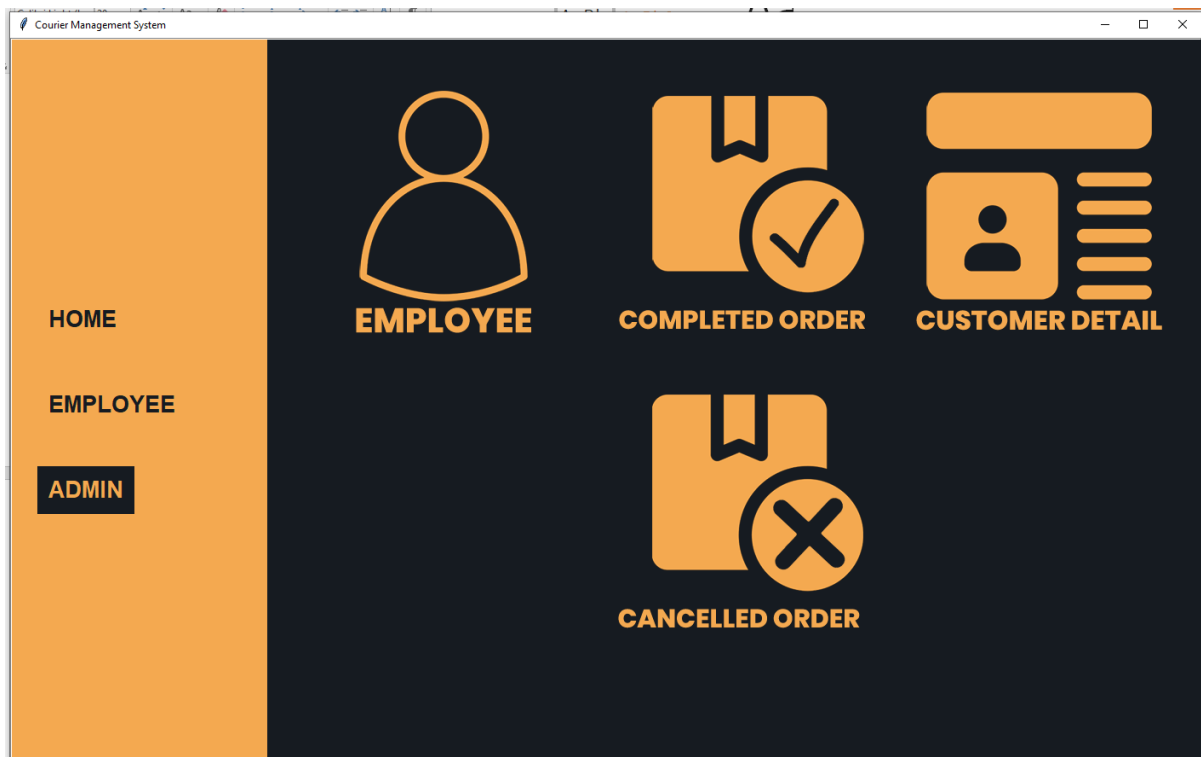Here Admin have to enter his\her

Name and Password

Ex.

Name: yagnik

Password: 1234

11. Admin menu

12. Employee and Consumer

Here admin can add New employee and Consumer. He/she can also see all list of them.
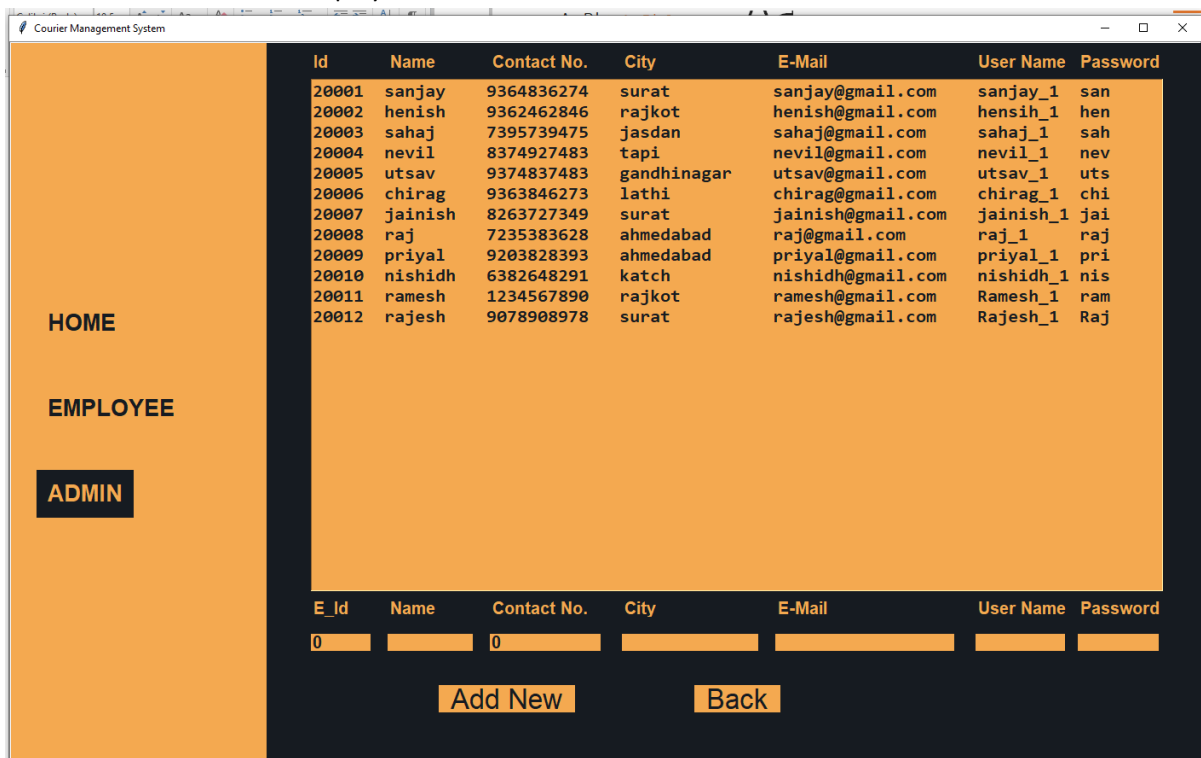
13. Completed order and cancelled order

Completed Order

| 30001 | document | 100 | 10001 | 20001 |

Back

Courier Management System

Cancel Order

HOME

EMPLOYEE

ADMIN

Back

1. employee details

SQL> select e_id,name_emp,contact_emp,address_emp,email_emp,u_name_emp from employee where e_id=20001;

E_ID NAME_EMP   CONTACT_EM

---------- -------------------- ----------

ADDRESS_EMP

EMAIL_EMP   U_NAME_EMP

-- ----------

    20001 sanjay   9364836274

surat

sanjay@gmail.com   sanjay_1

2.employee pending order

SQL> select
product_details.p_id,product_details.p_type,product_details.amount,product_details.c_id,delivery.status_del from delivary,product_details where delivary.p_id=product_details.p_id and delivary.status_del!='delivery' and product_details.e_id=20001;

  P_ID P_TYPE   AMOUNT   C_ID STATUS_DEL

---------- ---------- ---------- ---------- ----------

    30001 document   100   10001 cancel

3. update

SQL> update delivary set status_del='drop' where p_id=30001;

1 row updated.

4. completed

SQL> select
product_details.p_id,product_details.p_type,product_details.amount,product_details.c_id,delivery.status_del from delivary,product_details where delivary.p_id=product_details.p_id and delivary.status_del='delivery' and product_details.e_id=20001;

   P_ID P_TYPE   AMOUNT   C_ID STATUS_DEL

---------- ---------- ---------- ---------- ----------

    30001 document   100   10001 delivery

5.employee list

SQL> select * from employee;

E_ID NAME_EMP   CONTACT_EM

---------- ------------------- ----------

ADDRESS_EMP

EMAIL_EMP   U_NAME_EMP PASSWORD_E

--- ---------- ----------

20001 sanjay	9364836274	surat	sanjay@gmail.com	sanjay_1	san
20002 henish	9362462846	rajkot	henish@gmail.com	hensih_1	hen
20003 sahaj	7395739475	jasdan	sahaj@gmail.com	sahaj_1	sah
20004 nevil	8374927483	tapi	nevil@gmail.com	nevil_1	nev
20005 utsav	9374837483	gandhinagar	utsav@gmail.com	utsav_1	uts
20006 chirag	9363846273	lathi	chirag@gmail.com	chirag_1	chi
20007 jainish	8263727349	surat	jainish@gmail.com	jainish_1	jai
20008 raj	7235383628	ahmedabad	raj@gmail.com	raj_1	raj
20009 priyal	9203828393	ahmedabad	priyal@gmail.com	priyal_1	pri
20010 nishidh	6382648291	katch	nishidh@gmail.com	nishidh_1	nis

10 rows selected.

6.add new employee

SQL> insert into employee values(30011,'new',9573958395,'hem','new@gmail.com','new_1','new');

1 row created.

7.customer

SQL> select * from customer;

   C_ID NAME_CUS   CONTACT_CU

---------- ---------- ----------

ADDRESS_CUS

```
------------------------------------------------
EMAIL_CUS                       U_NAME_CUS PASSWORD_C
------------------------------------------------ ---------- ----------
    10001 yagnik   7783392739  surat       yagnik@mail.com              yagnik_1   yag

    10002 maulik    9364856294 morbi       maulik@gmail.com              maulik_1  mau

    10003 savan     6472947294 surat       savan@gmail.com              savan_1   sav

    10004 yash      9506734957 ahmedabad yash@gmail.com                yash_1    yas

    10005 utsav     8365936496 rajkot      utsav@gmail.com              utsav_1   uts

    10006 priyank   9364964137 vadodara priyank@gmail.com              priyank_1  pri

    10007 pratik    9364825485 rajkot pratik@gmail.com              pratik_1   pra

7 rows selected.
```

8.add new customer

```
SQL> insert into customer values(10012,'new_c','8293829394','hem','new_c@gmail.com','new_1','new');

1 row created.

SQL>
```

9. completed

```
SQL> select
product_details.p_id,product_details.p_type,product_details.amount,product_details.c_id,product_detai
ls.e_id from delivary,product_details where delivary.p_id=product_details.p_id and
delivary.status_del='delivery';

    P_ID P_TYPE      AMOUNT     C_ID      E_ID
---------- ---------- ---------- ---------- ----------
    30001 document      100     10001     20001

SQL>
```

10. cancel

SQL> select
product_details.p_id,product_details.p_type,product_details.amount,product_details.c_id,product_detai
ls.e_id from delivary,product_details where delivary.p_id=product_details.p_id and
delivary.status_del='cancled';

no rows selected

SQL>

Thank you