

A

Project Report
on
Customer To Customer Online Market

Developed by

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NADIAD-387001, GUJARAT



CERTIFICATE

This is to certify that the project entitled “**Customer To Customer**

Online Market” is a bonafide report of the work carried out by

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ACKNOWLEDGEMENT

We would like to give our sincere acknowledgement to everybody responsible for the successful completion of our project “**Customer to Customer Online Market Management System**”.

The success and final outcome of this project required a lot of guidance and assistance from many people and we are extremely privileged to have got this all along the completion of this project.

We owe our deep gratitude to our project guide Prof. Mukesh M Goswami, who took interest in our project work and guided us all along till the completion of our project work by providing all the necessary help for developing a better Database System.

We would also like to thank all our lecturers.

Finally, we convey our acknowledgement to all our friends and family members who directly or indirectly associated with us in the successful completion of the project. We thank one and all.

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1.SYSTEM OVERVIEW

1.1 CURRENT SYSTEM

By this system we will provide an online marketplace through which people can buy their desired item online and find a reasonable price. We will provide a very basic system so that people can shop and sell easily.

There will be only one user, who can sell and Buy the product. Sellers will sell their items at an appropriate price and specify the correct description of their products so that the buyer could identify the item they need to buy. The Buyer can find their desired item in the categories and then also give reviews about the product.

The personal details include name, address, email-id, phone-number etc. The product's information includes the name, price, discount etc. Here each customer can add the products they want to purchase in the cart and order the products they want to buy after placing the order and confirming the payment process.

1.2 OBJECTIVES OF THE PROPOSED SYSTEM

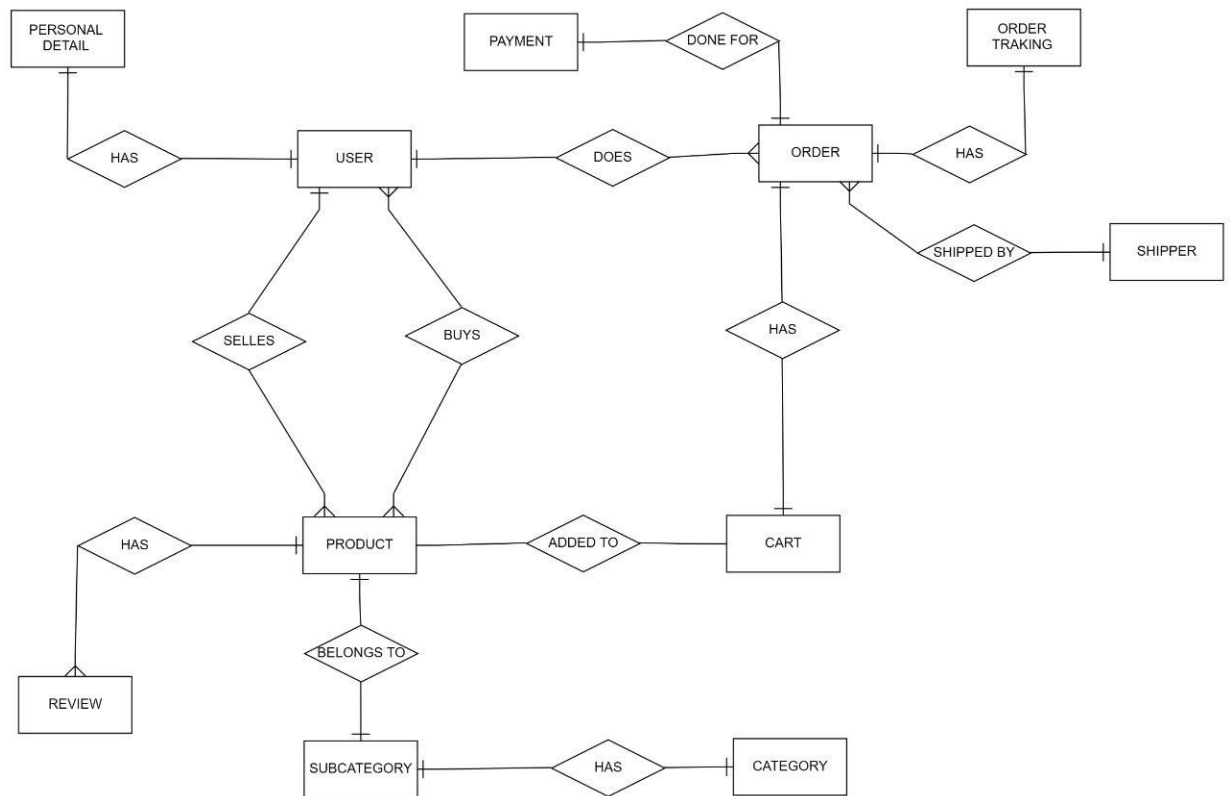
To reduce the effort of travelling we will provide an online platform for shopping. This will ease life as you will get your desired product delivered at your home. Also, there will be lots of products having amazing discounts on purchase.

1.3 ADVANTAGES OF THE PROPOSED SYSTEM

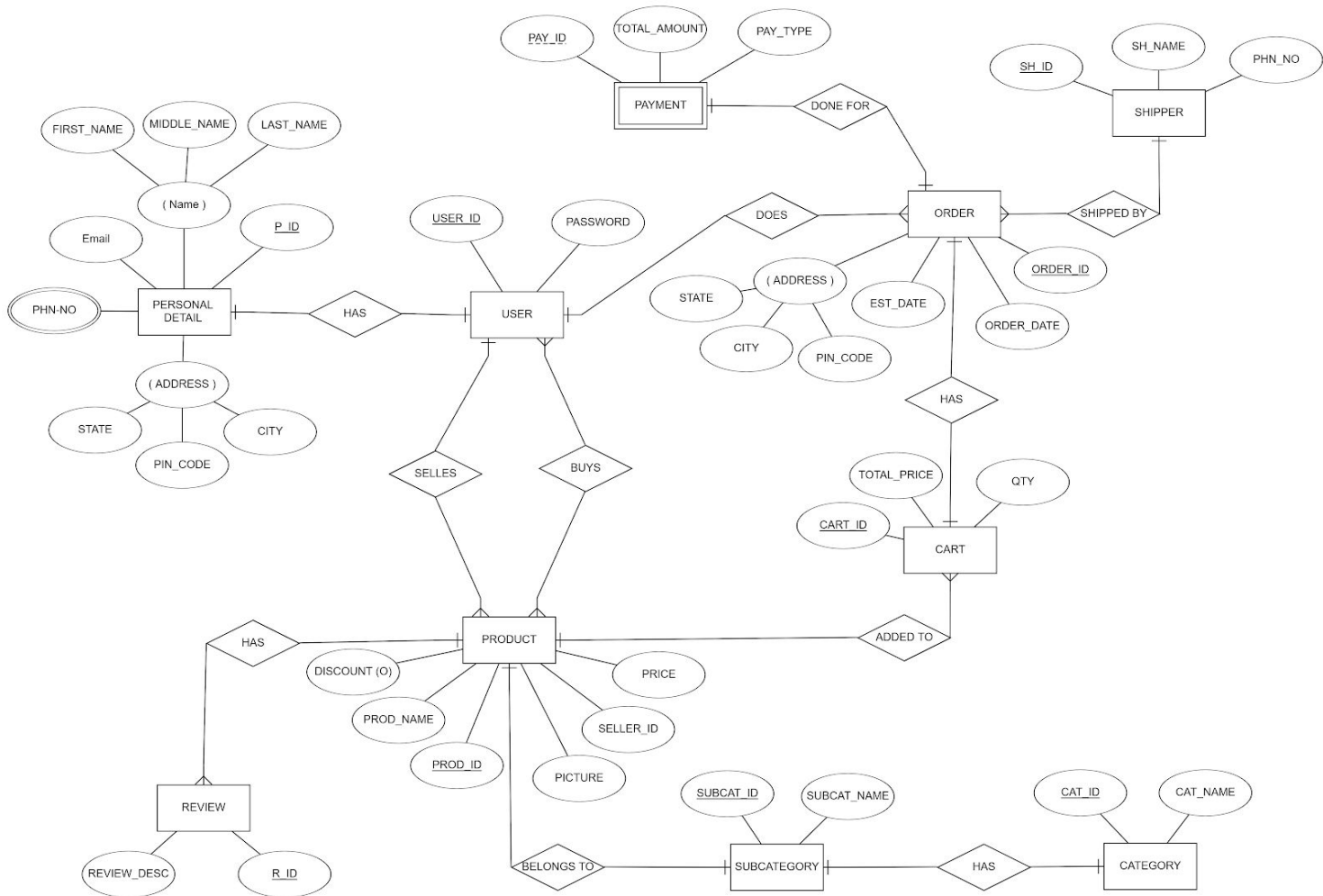
Through this system we try to achieve the below objectives:

- The things lying ignored in your house may be useful to someone else and can become a profitable means for you to earn some cash by selling them through our website. This would be the main objective of our system.
- There will be easy availability of products that the customer needs at good cost.
- Easily designed website with pictures.
- People who want to buy can buy the products according to their needs.

2.ANALYSIS LEVEL E-R DIAGRAM



2.1 ER Diagram



3.Data Dictionary

3.1 PERSONAL_DETAIL

Field	Type	Null	Key	Default	Extra
P_ID	varchar(10)	NO	PRI	NULL	
FIRST_NAME	varchar(10)	NO		NULL	
MIDDLE_NAME	varchar(10)	NO		NULL	
LAST_NAME	varchar(10)	NO		NULL	
EMAIL	varchar(30)	NO		NULL	
PHN_NO1	decimal(10,0)	NO		NULL	
PHN_NO2	decimal(10,0)	YES		NULL	
CITY	varchar(30)	NO		NULL	
STATE	varchar(30)	NO		NULL	
PIN_CODE	decimal(6,0)	NO		NULL	

3.2 USER_INFO

Field	Type	Null	Key	Default	Extra
USER_ID	varchar(5)	NO	PRI	NULL	
P_ID	varchar(10)	NO	MUL	NULL	
PASSWORD	varchar(20)	NO		NULL	

3.3 CATEGORY

Field	Type	Null	Key	Default	Extra
CAT_ID	varchar(10)	NO	PRI	NULL	
CAT_NAME	varchar(15)	NO		NULL	

3.4 SUBCATEGORY

Field	Type	Null	Key	Default	Extra
SUBCAT_ID	varchar(10)	NO	PRI	NULL	
CAT_ID	varchar(10)	NO	MUL	NULL	
SUBCAT_NAME	varchar(20)	NO		NULL	

3.5 PRODUCT

Field	Type	Null	Key	Default	Extra
PROD_ID	varchar(10)	NO	PRI	NULL	
SELLER_ID	varchar(10)	NO	MUL	NULL	
SUBCAT_ID	varchar(10)	NO	MUL	NULL	
PROD_NAME	varchar(30)	NO		NULL	
DISCOUNT	decimal(2,0)	YES		NULL	
PRICE	decimal(10,2)	NO		NULL	
PICTURE	blob	YES		NULL	

3.6 REVIEW

Field	Type	Null	Key	Default	Extra
PROD_ID	varchar(10)	NO	MUL	NULL	
RID	varchar(10)	NO	PRI	NULL	
REVIEW_DESC	varchar(1000)	YES		NULL	

3.7 SHIPPER

Field	Type	Null	Key	Default	Extra
SH_ID	varchar(10)	NO	PRI	NULL	
PHN_NO	decimal(10,0)	NO		NULL	
SHIPPER_NAME	varchar(20)	NO		NULL	

3.8 CART

Field	Type	Null	Key	Default	Extra
CART_ID	varchar(6)	NO	PRI	NULL	
TOTAL_AMT	decimal(20,3)	NO		NULL	
QTY	decimal(3,0)	NO		NULL	

3.9 ORDERS

Field	Type	Null	Key	Default	Extra
ORDER_ID	varchar(6)	NO	PRI	NULL	
USER_ID	varchar(6)	NO	MUL	NULL	
SH_ID	varchar(6)	NO	MUL	NULL	
CART_ID	varchar(6)	NO	MUL	NULL	
EST_DATE	date	YES		NULL	
CITY	varchar(15)	NO		NULL	
STATE	varchar(15)	NO		NULL	
PIN_CODE	varchar(15)	NO		NULL	

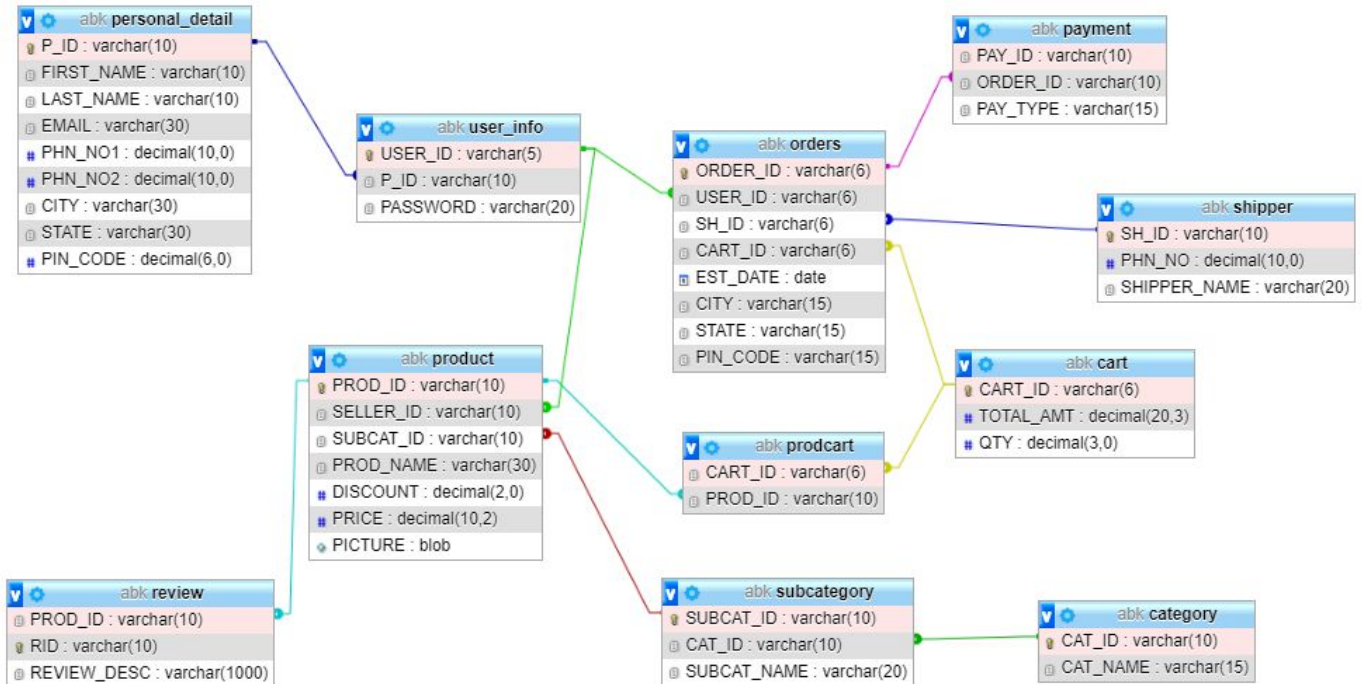
3.10 PAYMENT

Field	Type	Null	Key	Default	Extra
PAY_ID	varchar(10)	NO		NULL	
ORDER_ID	varchar(10)	NO	MUL	NULL	
PAY_TYPE	varchar(15)	NO		NULL	
TOT_AMOUNT	decimal(10,2)	NO		NULL	

3.11 PRODCART

Field	Type	Null	Key	Default	Extra
CART_ID	varchar(6)	NO	MUL	NULL	
PROD_ID	varchar(10)	NO	MUL	NULL	

4.SCHEMA DIAGRAM



5.DATABASE IMPLEMENTATION

5.1 CREATE SCHEMA AND INSERT DATA

1. PERSONAL_DETAIL

```
CREATE TABLE PERSONAL_DETAIL
(
    P_ID VARCHAR(10) PRIMARY KEY,
    FIRST_NAME VARCHAR(10) NOT NULL,
    LAST_NAME VARCHAR(10) NOT NULL,
    EMAIL VARCHAR(30) NOT NULL,
    PHN_NO1 DECIMAL(10,0) NOT NULL,
    PHN_NO2 DECIMAL(10,0),
    CITY VARCHAR(30) NOT NULL,
    STATE VARCHAR(30) NOT NULL,
    PIN_CODE DECIMAL(6,0) NOT NULL
);
```

Field	Type	Null	Key	Default	Extra
P_ID	varchar(10)	NO	PRI	NULL	
FIRST_NAME	varchar(10)	NO		NULL	
MIDDLE_NAME	varchar(10)	NO		NULL	
LAST_NAME	varchar(10)	NO		NULL	
EMAIL	varchar(30)	NO		NULL	
PHN_NO1	decimal(10,0)	NO		NULL	
PHN_NO2	decimal(10,0)	YES		NULL	
CITY	varchar(30)	NO		NULL	
STATE	varchar(30)	NO		NULL	
PIN_CODE	decimal(6,0)	NO		NULL	

```
INSERT INTO PERSONAL_DETAIL(P_ID,FIRST_NAME, LAST_NAME,EMAIL,PHN_NO1,PHN_NO2,CITY,STATE,PIN_CODE)
VALUES('P101','Pranay','Makwana','pranay12@gmail.com',9898455202,7337288391,'Bhavnagar','GUJARAT',364001);
```

```
INSERT INTO PERSONAL_DETAIL(P_ID,FIRST_NAME, LAST_NAME,EMAIL,PHN_NO1,PHN_NO2,CITY,STATE,PIN_CODE)
VALUES('P102','Harsh','Mayavanshi','harsh22@gmail.com',9293455202,7337288391,'VAPI','GUJARAT',396191);
```

```
INSERT INTO PERSONAL_DETAIL(P_ID,FIRST_NAME, LAST_NAME,EMAIL,PHN_NO1,PHN_NO2,CITY,STATE,PIN_CODE)
VALUES('P103','Jay','Parmar','jay212@gmail.com',9198355402,6337268391,'Ahmedabad','GUJARAT',364021);
```

```
INSERT INTO PERSONAL_DETAIL(P_ID,FIRST_NAME,LAST_NAME,EMAIL,PHN_NO1,PHN_NO2,CITY,STATE,PIN_CODE)
VALUES('P104','Rahul','Shukla','rahul45@gmail.com',7148455202,7937288391,'Surat','GUJARAT',363001);
```

```
INSERT INTO PERSONAL_DETAIL(P_ID,FIRST_NAME,LAST_NAME,EMAIL,PHN_NO1,PHN_NO2,CITY,STATE,PIN_CODE)
VALUES('P105','Deep','Patel','deep34@gmail.com',7897455202,7337388190,'Bhavnagar','GUJARAT',364001);
```

```
INSERT INTO PERSONAL_DETAIL(P_ID,FIRST_NAME,LAST_NAME,EMAIL,PHN_NO1,PHN_NO2,CITY,STATE,PIN_CODE)
VALUES('P106','Maulik','Gandhi','maulik34@gmail.com',5896475202,7333488691,'Rajkot','GUJARAT',364001);
```

```
INSERT INTO
PERSONAL_DETAIL(P_ID,FIRST_NAME,MIDDLE_NAME,LAST_NAME,EMAIL,PHN_NO1,PHN_NO2,CITY,STATE,PIN_CODE)
VALUES('P107','Riya','Patel','riya32@gmail.com',9495456202,7237384351,'Mumbai','Maharashtra',203021);
```

```
INSERT INTO
PERSONAL_DETAIL(P_ID,FIRST_NAME,MIDDLE_NAME,LAST_NAME,EMAIL,PHN_NO1,PHN_NO2,CITY,STATE,PIN_CODE)
VALUES('P108','Meet','Donda','meet112@gmail.com',9678155602,9532258291,'Nadiad','GUJARAT',374003);
```

```
INSERT INTO PERSONAL_DETAIL(P_ID,FIRST_NAME,LAST_NAME,EMAIL,PHN_NO1,PHN_NO2,CITY,STATE,PIN_CODE)
VALUES('P109','Vedant','Panchal','vedant132@gmail.com',7598251362,6731268381,'Jamnagar','GUJARAT',334005);
```

```
INSERT INTO PERSONAL_DETAIL(P_ID,FIRST_NAME,LAST_NAME,EMAIL,PHN_NO1,PHN_NO2,CITY,STATE,PIN_CODE)
VALUES('P110','Parth','Patel','parth87@gmail.com',9728154282,7337278797,'Ahmedabad','GUJARAT',364011);
```

P_ID	FIRST_NAME	LAST_NAME	EMAIL	PHN_NO1	PHN_NO2	CITY	STATE	PIN_CODE
P101	Pranay	Makwana	pranay12@gmail.com	9898455202	7337288391	Bhavnagar	GUJARAT	364001
P102	Harsh	Mayavanshi	harsh22@gmail.com	9293455202	7337288391	VAPI	GUJARAT	396191
P103	Jay	Parmar	jay212@gmail.com	9198355402	6337268391	Ahmedabad	GUJARAT	364021
P104	Rahul	Shukla	rahul45@gmail.com	7148455202	7937288391	Surat	GUJARAT	363001
P105	Deep	Patel	deep34@gmail.com	7897455202	7337388190	Bhavnagar	GUJARAT	364001
P106	Maulik	Gandhi	maulik34@gmail.com	5896475202	7333488691	Rajkot	GUJARAT	364001
P107	Riya	Patel	riya32@gmail.com	9495456202	7237384351	Mumbai	Maharashtra	203021
P108	Meet	Donda	meet112@gmail.com	9678155602	9532258291	Nadiad	GUJARAT	374003
P109	Vedant	Panchal	vedant132@gmail.com	7598251362	6731268381	Jamnagar	GUJARAT	334005
P110	Parth	Patel	parth87@gmail.com	9728154282	7337278797	Ahmedabad	GUJARAT	364011

2.USER_INFO

```
CREATE TABLE USER_INFO
(
    USER_ID VARCHAR(5) PRIMARY KEY,
    P_ID VARCHAR(10) NOT NULL,
    PASSWORD VARCHAR(20) NOT NULL,
    FOREIGN KEY (P_ID) REFERENCES PERSONAL_DETAIL(P_ID) ON DELETE
    CASCADE ON UPDATE CASCADE
);
```


Field	Type	Null	Key	Default	Extra
USER_ID	varchar(5)	NO	PRI	NULL	
P_ID	varchar(10)	NO	MUL	NULL	
PASSWORD	varchar(20)	NO		NULL	

```

INSERT INTO USER_INFO(USER_ID,P_ID,PASSWORD) VALUES('U101','P101','1234');
INSERT INTO USER_INFO(USER_ID,P_ID,PASSWORD) VALUES('U102','P102','P1232');
INSERT INTO USER_INFO(USER_ID,P_ID,PASSWORD) VALUES('U103','P104','TEST13');
INSERT INTO USER_INFO(USER_ID,P_ID,PASSWORD) VALUES('U104','P103','PM123');
INSERT INTO USER_INFO(USER_ID,P_ID,PASSWORD) VALUES('U105','P105','TR1234');
INSERT INTO USER_INFO(USER_ID,P_ID,PASSWORD) VALUES('U106','P106','PY1234');
INSERT INTO USER_INFO(USER_ID,P_ID,PASSWORD) VALUES('U107','P107','12345678');
INSERT INTO USER_INFO(USER_ID,P_ID,PASSWORD) VALUES('U108','P108','111111');
INSERT INTO USER_INFO(USER_ID,P_ID,PASSWORD) VALUES('U109','P109','1234567');
INSERT INTO USER_INFO(USER_ID,P_ID,PASSWORD) VALUES('U110','P110','87654321');

```

USER_ID	P_ID	PASSWORD
U101	P101	1234
U102	P102	P1232
U103	P104	TEST13
U104	P103	PM123
U105	P105	TR1234
U106	P106	PY1234
U107	P107	12345678
U108	P108	111111
U109	P109	1234567
U110	P110	87654321

3.CATEGORY

```

CREATE TABLE CATEGORY
(
  CAT_ID VARCHAR(10) PRIMARY KEY,
  CAT_NAME VARCHAR(15) NOT NULL
);

```

Field	Type	Null	Key	Default	Extra
CAT_ID	varchar(10)	NO	PRI	NULL	
CAT_NAME	varchar(15)	NO		NULL	

```

INSERT INTO CATEGORY(CAT_ID,CAT_NAME) VALUES('CAT1','COMPUTERS');
INSERT INTO CATEGORY(CAT_ID,CAT_NAME) VALUES('CAT2','PHONES');
INSERT INTO CATEGORY(CAT_ID,CAT_NAME) VALUES('CAT3','WATCHES');
INSERT INTO CATEGORY(CAT_ID,CAT_NAME) VALUES('CAT4','HOME');
INSERT INTO CATEGORY(CAT_ID,CAT_NAME) VALUES('CAT5','SPORTS');
INSERT INTO CATEGORY(CAT_ID,CAT_NAME) VALUES('CAT6','BOOK');

```

CAT_ID	CAT_NAME
CAT1	COMPUTERS
CAT2	PHONES
CAT3	WATCHES
CAT4	HOME
CAT5	SPORTS
CAT6	BOOK

4.SUBCATEGORY

```

CREATE TABLE SUBCATEGORY
(
    SUBCAT_ID VARCHAR(10) PRIMARY KEY,
    CAT_ID VARCHAR2(10) NOT NULL,
    SUBCAT_NAME VARCHAR(20) NOT NULL,
    FOREIGN KEY (CAT_ID) REFERENCES CATEGORY(CAT_ID) ON
    DELETE CASCADE ON UPDATE CASCADE
);

```

Field	Type	Null	Key	Default	Extra
SUBCAT_ID	varchar(10)	NO	PRI	NULL	
CAT_ID	varchar(10)	NO	MUL	NULL	
SUBCAT_NAME	varchar(20)	NO		NULL	

```

INSERT INTO SUBCATEGORY(SUBCAT_ID,CAT_ID,SUBCAT_NAME)
VALUES('SCAT_1','CAT1','DESKTOP COMPUTER');
INSERT INTO SUBCATEGORY(SUBCAT_ID,CAT_ID,SUBCAT_NAME)
VALUES('SCAT_2','CAT1','LAPTOP');
INSERT INTO SUBCATEGORY(SUBCAT_ID,CAT_ID,SUBCAT_NAME)
VALUES('SCAT_3','CAT2','MOBILE PHONE');
INSERT INTO SUBCATEGORY(SUBCAT_ID,CAT_ID,SUBCAT_NAME)

```

```

VALUES('SCAT_4','CAT2','MOBILE PHONE ACCESSORIES');
INSERT INTO SUBCATEGORY(SUBCAT_ID,CAT_ID,SUBCAT_NAME)
VALUES('SCAT_5','CAT2','TABLET');
INSERT INTO SUBCATEGORY(SUBCAT_ID,CAT_ID,SUBCAT_NAME)
VALUES('SCAT_6','CAT3','SMART WATCH');
INSERT INTO SUBCATEGORY(SUBCAT_ID,CAT_ID,SUBCAT_NAME)
VALUES('SCAT_7','CAT3','WRIST WATCH');
INSERT INTO SUBCATEGORY(SUBCAT_ID,CAT_ID,SUBCAT_NAME)
VALUES('SCAT_8','CAT4','FURNITURE');
INSERT INTO SUBCATEGORY(SUBCAT_ID,CAT_ID,SUBCAT_NAME)
VALUES('SCAT_9','CAT4','KITCHEN AND DINING');
INSERT INTO SUBCATEGORY(SUBCAT_ID,CAT_ID,SUBCAT_NAME)
VALUES('SCAT_10','CAT5','CRICKET');
INSERT INTO SUBCATEGORY(SUBCAT_ID,CAT_ID,SUBCAT_NAME)
VALUES('SCAT_11','CAT5','FITNESS ACCESSORIES');
INSERT INTO SUBCATEGORY(SUBCAT_ID,CAT_ID,SUBCAT_NAME)
VALUES('SCAT_12','CAT6','FICTION BOOKS');
INSERT INTO SUBCATEGORY(SUBCAT_ID,CAT_ID,SUBCAT_NAME)
VALUES('SCAT_13','CAT6','SCHOOL TEXTBOOKS');

```

```

SELECT * FROM SUBCATEGORY;

```

SUBCAT_ID	CAT_ID	SUBCAT_NAME
SCAT_1	CAT1	DESKTOP COMPUTER
SCAT_10	CAT5	CRICKET
SCAT_11	CAT5	FITNESS ACCESSORIES
SCAT_12	CAT6	FICTION BOOKS
SCAT_13	CAT6	SCHOOL TEXTBOOKS
SCAT_2	CAT1	LAPTOP
SCAT_3	CAT2	MOBILE PHONE
SCAT_4	CAT2	MOBILE PHONE ACCESSO
SCAT_5	CAT2	TABLET
SCAT_6	CAT3	SMART WATCH
SCAT_7	CAT3	WRIST WATCH
SCAT_8	CAT4	FURNITURE
SCAT_9	CAT4	KITCHEN AND DINING

5.PRODUCT

```
CREATE TABLE PRODUCT
(
    PROD_ID VARCHAR(10) PRIMARY KEY,
    SELLER_ID VARCHAR(10) NOT NULL,
    SUBCAT_ID VARCHAR(10) NOT NULL,
    PROD_NAME VARCHAR(30) NOT NULL,
    DISCOUNT DECIMAL(2,0),
    PRICE DECIMAL(10,2) NOT NULL,
    PICTURE BLOB,
    FOREIGN KEY (SUBCAT_ID) REFERENCES SUBCATEGORY(SUBCAT_ID) ON
    DELETE CASCADE ON UPDATE CASCADE
    FOREIGN KEY (SELLER_ID) REFERENCES USER_INFO(USER_ID) ON
    DELETE CASCADE ON UPDATE CASCADE
);
```

Field	Type	Null	Key	Default	Extra
PROD_ID	varchar(10)	NO	PRI	NULL	
SELLER_ID	varchar(10)	NO	MUL	NULL	
SUBCAT_ID	varchar(10)	NO	MUL	NULL	
PROD_NAME	varchar(30)	NO		NULL	
DISCOUNT	decimal(2,0)	YES		NULL	
PRICE	decimal(10,2)	NO		NULL	
PICTURE	blob	YES		NULL	

```
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR001','U101','SCAT_3','SAMSUNG MOBILE',0,12000,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR002','U104','SCAT_3','LG MOBILE',0,10000,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR003','U105','SCAT_5','LENOVO TABLATE',0,8000,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR004','U103','SCAT_2','DELL LAPTOP',0,12000,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR005','U106','SCAT_2','HP LAPTOP',0,12000,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR010','U107','SCAT_2','ASUS LAPTOP',0,12000,"");
INSERT INTO
```

```

PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR006','U102','SCAT_1','DELL COMPUTER',0,12000,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR007','U101','SCAT_1','LENOVO COMPUTER',0,12000,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR008','U109','SCAT_4','MOBILE COVER',50,120,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR009','U108','SCAT_4','LG CHARGER',0,500,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR011','U102','SCAT_4','SAMSUNG CHARGER',0,700,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR012','U105','SCAT_5','SAMSUNG TABLET',0,3500,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR013','U108','SCAT_4','LG CHARGER',0,500,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR014','U103','SCAT_6','FASTRACK WATCH',0,600,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR015','U110','SCAT_6','TIMEX WATCH',0,400,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR016','U109','SCAT_6','TITAN WATCH',0,900,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR017','U105','SCAT_7','CASIO SMARTWATCH',0,900,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR018','U107','SCAT_7','FASTRACK SMARTWATCH',0,800,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR019','U102','SCAT_7','REALME SMARTWATCH',0,1200,"");
INSERT INTO
PRODUCT(PROD_ID,SELLER_ID,SUBCAT_ID,PROD_NAME,DISCOUNT,PRICE,PICTURE)
VALUES('PR020','U104','SCAT_7','MI SMARTWATCH',0,1000,"");

```

PROD_ID	SELLER_ID	SUBCAT_ID	PROD_NAME	DISCOUNT	PRICE	PICTURE
PR001	U101	SCAT_3	SAMSUNG MOBILE	0	12000.00	
PR002	U104	SCAT_3	LG MOBILE	0	10000.00	
PR003	U105	SCAT_5	LENOVO TABLATE	0	8000.00	
PR004	U103	SCAT_2	DELL LAPTOP	0	12000.00	
PR005	U106	SCAT_2	HP LAPTOP	0	12000.00	
PR006	U102	SCAT_1	DELL COMPUTER	0	12000.00	
PR007	U101	SCAT_1	LENOVO COMPUTER	0	12000.00	
PR008	U109	SCAT_4	MOBILE COVER	50	120.00	
PR009	U108	SCAT_4	LG CHARGER	0	500.00	
PR010	U107	SCAT_2	ASUS LAPTOP	0	12000.00	
PR011	U102	SCAT_4	SAMSUNG CHARGER	0	700.00	
PR012	U105	SCAT_5	SAMSUNG TABLET	0	3500.00	
PR013	U108	SCAT_4	LG CHARGER	0	500.00	
PR014	U103	SCAT_6	FASTRACK WATCH	0	600.00	
PR015	U110	SCAT_6	TIMEX WATCH	0	400.00	
PR016	U109	SCAT_6	TITAN WATCH	0	900.00	
PR017	U105	SCAT_7	CASIO SMARTWATCH	0	900.00	
PR018	U107	SCAT_7	FASTRACK SMARTWATCH	0	800.00	
PR019	U102	SCAT_7	REALME SMARTWATCH	0	1200.00	
PR020	U104	SCAT_7	MI SMARTWATCH	0	1000.00	

6.REVIEW

```
CREATE TABLE REVIEW
(
    PROD_ID VARCHAR2(10) NOT NULL,
    RID VARCHAR2(10) PRIMARY KEY,
    REVIEW_DESC VARCHAR(1000),
    FOREIGN KEY (PROD_ID) REFERENCES PRODUCT(PROD_ID) ON
    DELETE CASCADE ON UPDATE CASCADE
);
```

Field	Type	Null	Key	Default	Extra
PROD_ID	varchar(10)	NO	MUL	NULL	
RID	varchar(10)	NO	PRI	NULL	
REVIEW_DESC	varchar(1000)	YES		NULL	

```
INSERT INTO REVIEW(PROD_ID,RID,REVIEW_DESC) VALUES('PR001','R101','Nice');
INSERT INTO REVIEW(PROD_ID,RID,REVIEW_DESC) VALUES('PR011','R102','Great');
INSERT INTO REVIEW(PROD_ID,RID,REVIEW_DESC) VALUES('PR013','R103','Nice');
INSERT INTO REVIEW(PROD_ID,RID,REVIEW_DESC) VALUES('PR013','R104','Great');
```

```

INSERT INTO REVIEW(PROD_ID,RID,REVIEW_DESC) VALUES('PR014','R105','Amzing');
INSERT INTO REVIEW(PROD_ID,RID,REVIEW_DESC) VALUES('PR015','R106','Great');
INSERT INTO REVIEW(PROD_ID,RID,REVIEW_DESC) VALUES('PR016','R107','Amazing');
INSERT INTO REVIEW(PROD_ID,RID,REVIEW_DESC) VALUES('PR007','R108','Good One');
INSERT INTO REVIEW(PROD_ID,RID,REVIEW_DESC) VALUES('PR005','R109','Dislike');
INSERT INTO REVIEW(PROD_ID,RID,REVIEW_DESC) VALUES('PR015','R110','Liked');

```

PROD_ID	RID	REVIEW_DESC
PR001	R101	Nice
PR011	R102	Great
PR013	R103	Nice
PR013	R104	Great
PR014	R105	Amzing
PR015	R106	Great
PR016	R107	Amazing
PR007	R108	Good One
PR005	R109	Dislike
PR015	R110	Liked

7.SHIPPER

```

CREATE TABLE SHIPPER
(
    SH_ID VARCHAR(10) PRIMARY KEY,
    PHN_NO DECIMAL(10,0) NOT NULL,
    SHIPPER_NAME VARCHAR(20) NOT NULL
);

```

Field	Type	Null	Key	Default	Extra
SH_ID	varchar(10)	NO	PRI	NULL	
PHN_NO	decimal(10,0)	NO		NULL	
SHIPPER_NAME	varchar(20)	NO		NULL	

```

INSERT INTO SHIPPER(SH_ID,PHN_NO,SHIPPER_NAME)
VALUES('SH001',7622875591,'Gautam')
INSERT INTO SHIPPER(SH_ID,PHN_NO,SHIPPER_NAME)
VALUES('SH002',8755762291,'Rahul')
INSERT INTO SHIPPER(SH_ID,PHN_NO,SHIPPER_NAME)
VALUES('SH003',9176228755,'YOGESH')
INSERT INTO SHIPPER(SH_ID,PHN_NO,SHIPPER_NAME)
VALUES('SH004',9187762255,'MUKUND')

```

SH_ID	PHN_NO	SHIPPER_NAME
SH001	7622875591	GAUTAM
SH002	8755762291	RAHUL
SH003	9176228755	YOGESH
SH004	9187762255	MUKUND

8.CART

```
CREATE TABLE CART
(
    CART_ID VARCHAR(6) PRIMARY KEY,
    TOTAL_AMT DECIMAL(20,3) NOT NULL,
    QTY DECIMAL(3,0) NOT NULL
);
```

Field	Type	Null	Key	Default	Extra
CART_ID	varchar(6)	NO	PRI	NULL	
TOTAL_AMT	decimal(20,3)	NO		NULL	
QTY	decimal(3,0)	NO		NULL	

```
INSERT INTO CART(CART_ID,TOTAL_AMT,QTY) VALUES('CT001',12000,1);
INSERT INTO CART(CART_ID,TOTAL_AMT,QTY) VALUES('CT002',10000,1);
INSERT INTO CART(CART_ID,TOTAL_AMT,QTY) VALUES('CT003',8000,1);
```

CART_ID	TOTAL_AMT	QTY
CT001	12000.000	1
CT002	10000.000	1
CT003	8000.000	1

9.ORDERS

```
CREATE TABLE ORDERS
(
    ORDER_ID VARCHAR(6) PRIMARY KEY,
    USER_ID VARCHAR(6) NOT NULL,
    SH_ID VARCHAR(6) NOT NULL,
    CART_ID VARCHAR(6) NOT NULL,
    EST_DATE DATE,
    CITY VARCHAR(15) NOT NULL,
    STATE VARCHAR(15) NOT NULL,
    PIN_CODE VARCHAR(15) NOT NULL,
    FOREIGN KEY (USER_ID) REFERENCES USER_INFO(USER_ID) ON DELETE
    CASCADE ON UPDATE CASCADE,
    FOREIGN KEY (SH_ID) REFERENCES SHIPPER(SH_ID) ON DELETE CASCADE
```

```

ON UPDATE CASCADE,
FOREIGN KEY (CART_ID) REFERENCES CART(CART_ID) ON DELETE
CASCADE ON UPDATE CASCADE
);

```

Field	Type	Null	Key	Default	Extra
ORDER_ID	varchar(6)	NO	PRI	NULL	
USER_ID	varchar(6)	NO	MUL	NULL	
SH_ID	varchar(6)	NO	MUL	NULL	
CART_ID	varchar(6)	NO	MUL	NULL	
EST_DATE	date	YES		NULL	
CITY	varchar(15)	NO		NULL	
STATE	varchar(15)	NO		NULL	
PIN_CODE	varchar(15)	NO		NULL	

```

INSERT INTO
ORDERS(ORDER_ID,USER_ID,SH_ID,CART_ID,EST_DATE,CITY,STATE,PIN_CODE)
VALUES('OR001','U101','SH001','CT001', '19-AUG-2020','Bhavnagar','GUJARAT',364001);
INSERT INTO
ORDERS(ORDER_ID,USER_ID,SH_ID,CART_ID,EST_DATE,CITY,STATE,PIN_CODE)
VALUES('OR002','U102','SH002','CT002', '09-SEP-2020','VAPI','GUJARAT',396191);
INSERT INTO
ORDERS(ORDER_ID,USER_ID,SH_ID,CART_ID,EST_DATE,CITY,STATE,PIN_CODE)
VALUES('OR003','U103','SH003','CT003', '03-OCT-2020','Ahmedabad','GUJARAT',364021);

```

ORDER_ID	USER_ID	SH_ID	CART_ID	EST_DATE	CITY	STATE	PIN_CODE
OR001	U101	SH001	CT001	0000-00-00	Bhavnagar	GUJARAT	364001
OR002	U102	SH002	CT002	0000-00-00	VAPI	GUJARAT	396191
OR003	U103	SH003	CT003	0000-00-00	Ahmedabad	GUJARAT	364021

10.PAYMENT

```

CREATE TABLE PAYMENT
(
    PAY_ID VARCHAR(10) NOT NULL,
    ORDER_ID VARCHAR(10) NOT NULL,
    PAY_TYPE VARCHAR(15) NOT NULL,
    FOREIGN KEY (ORDER_ID) REFERENCES ORDERS(ORDER_ID) ON DELETE
    CASCADE ON UPDATE CASCADE
);

```


Field	Type	Null	Key	Default	Extra
PAY_ID	varchar(10)	NO		NULL	
ORDER_ID	varchar(10)	NO	MUL	NULL	
PAY_TYPE	varchar(15)	NO		NULL	
TOT_AMOUNT	decimal(10,2)	NO		NULL	

```

INSERT INTO PAYMENT(PAY_ID,ORDER_ID,PAY_TYPE)
VALUES('PAY001','OR001','CREDIT CARD');
INSERT INTO PAYMENT(PAY_ID,ORDER_ID,PAY_TYPE)
VALUES('PAY002','OR002','CASH ON DELIVERY');
INSERT INTO PAYMENT(PAY_ID,ORDER_ID,PAY_TYPE)
VALUES('PAY001','OR003','CREDIT CARD');

```

PAY_ID	ORDER_ID	PAY_TYPE
PAY001	OR001	CREDIT CARD
PAY002	OR002	CASH ON DELIVER
PAY001	OR003	CREDIT CARD

13. PRODCART

```

CREATE TABLE PRODCART
(
    CART_ID VARCHAR(6) NOT NULL,
    PROD_ID VARCHAR(10) NOT NULL,
    FOREIGN KEY (CART_ID) REFERENCES CART(CART_ID) ON DELETE
    CASCADE ON UPDATE CASCADE,
    FOREIGN KEY (PROD_ID) REFERENCES PRODUCT(PROD_ID) ON
    DELETE CASCADE ON UPDATE CASCADE,
);

```

Field	Type	Null	Key	Default	Extra
CART_ID	varchar(6)	NO	MUL	NULL	
PROD_ID	varchar(10)	NO	MUL	NULL	

```

INSERT INTO PRODCART( CART_ID , PROD_ID ) VALUES('CT001','PR001' );
INSERT INTO PRODCART( CART_ID , PROD_ID ) VALUES('CT002','PR002' );
INSERT INTO PRODCART( CART_ID , PROD_ID ) VALUES('CT003','PR003' );

```

CART_ID	PROD_ID
CT001	PR001
CT002	PR002
CT003	PR003

5.2 QUERIES

1.Count the total number of customers in each city and display along with the city name.

->SELECT CITY,COUNT('P_ID') AS 'NO. OF CUSTOMER' FROM PERSONAL_DETAIL
GROUP BY CITY ORDER BY COUNT(P_ID) DESC;

CITY	NO. OF CUSTOMER
Ahmedabad	2
Bhavnagar	2
Jamnagar	1
Mumbai	1
Nadiad	1
Rajkot	1
Surat	1
VAPI	1

2.display all products whose price is between 800 to 12000.

->SELECT * FROM PRODUCTS WHERE PRICE BETWEEN 800 AND 12000;

PROD_ID	SELLER_ID	SUBCAT_ID	PROD_NAME	DISCOUNT	PRICE	PICTURE
PR019	U102	SCAT_7	REALME SMARTWATCH	0	1200.00	
PR020	U104	SCAT_7	MI SMARTWATCH	0	1000.00	
PR016	U109	SCAT_6	TITAN WATCH	0	900.00	
PR017	U105	SCAT_7	CASIO SMARTWATCH	0	900.00	
PR018	U107	SCAT_7	FASTRACK SMARTWATCH	0	800.00	

3.Display all user details whose name starts with P.

->SELECT * FROM PERSONAL_DETAIL WHERE FIRST_NAME LIKE 'P%'.

P_ID	FIRST_NAME	LAST_NAME	EMAIL	PHN_NO1	PHN_NO2	CITY	STATE	PIN_CODE
P101	Pranay	Makwana	pranay12@gmail.com	9898455202	7337288391	Bhavnagar	GUJARAT	364001
P110	Parth	Patel	parth87@gmail.com	9728154282	7337278797	Ahmedabad	GUJARAT	364011

4.Find review details of 'LG CHARGER'.

->SELECT REVIEW_DESC FROM review WHERE PROD_ID IN(SELECT
PROD_ID FROM product WHERE PROD_NAME='LG CHARGER');

REVIEW_DESC

Nice

Great

5. Find a product with maximum discount.

-> SELECT PROD_NAME,PRICE,MAX(DISCOUNT) AS 'MAX DISCOUNT' FROM
PRODUCT.

PROD_NAME	PRICE	MAX DISCOUNT
SAMSUNG MOBILE	12000.00	50

6.Display the number of products each user has uploaded.

->SELECT SELLER_ID AS 'SELLER ID',COUNT(PROD_ID) FROM product GROUP
BY SELLER_ID ORDER BY COUNT(PROD_ID) DESC;

SELLER ID	COUNT(PROD_ID)
U105	3
U102	3
U101	2
U109	2
U103	2
U107	2
U104	2
U108	2
U106	1
U110	1

7. Find all products which are sold by Pranay.

```
->SELECT PROD_NAME,PRICE,DISCOUNT FROM PRODUCT P WHERE  
P.SELLER_ID IN (SELECT U.USER_ID FROM USER_INFO U WHERE U.P_ID IN  
(SELECT S.P_ID FROM PERSONAL_DETAIL S WHERE  
S.FIRST_NAME='Pranay'));
```

PROD_NAME	PRICE	DISCOUNT
SAMSUNG MOBILE	12000.00	0
LENOVO COMPUTER	12000.00	0

8. Find a shipper's details for order which is given by Pranay.

```
->select * from shipper WHERE SH_ID IN (SELECT SH_ID FROM ORDERS  
WHERE USER_ID IN (SELECT USER_ID FROM USER_INFO WHERE P_ID  
IN (SELECT P_ID FROM personal_detail WHERE FIRST_NAME='Pranay')));
```

SH_ID	PHN_NO	SHIPPER_NAME
SH001	7622875591	Gautam

9.Display the products under each category.

->select product.PROD_NAME,category.CAT_NAME from (product
inner join subcategory on
product.SUBCAT_ID=subcategory.SUBCAT_ID) inner join category on
subcategory.CAT_ID=category.CAT_ID;

PROD_NAME	CAT_NAME
DELL COMPUTER	COMPUTERS
LENOVO COMPUTER	COMPUTERS
DELL LAPTOP	COMPUTERS
HP LAPTOP	COMPUTERS
ASUS LAPTOP	COMPUTERS
SAMSUNG MOBILE	PHONES
LG MOBILE	PHONES
MOBILE COVER	PHONES
LG CHARGER	PHONES
SAMSUNG CHARGER	PHONES
LG CHARGER	PHONES
LENOVO TABLATE	PHONES
SAMSUNG TABLET	PHONES
FASTRACK WATCH	WATCHES
TIMEX WATCH	WATCHES
TITAN WATCH	WATCHES
CASIO SMARTWATCH	WATCHES
FASTRACK SMARTWATCH	WATCHES
REALME SMARTWATCH	WATCHES
MI SMARTWATCH	WATCHES

10.Display a user_detail who made payment using a credit card.

->SELECT FIRST_NAME, LAST_NAME, EMAIL, PHN_NO1 FROM
personal_detail WHERE P_ID IN(SELECT P_ID FROM user_info WHERE
USER_ID IN(SELECT orders.USER_ID FROM orders INNER JOIN payment
ON orders.ORDER_ID=payment.ORDER_ID WHERE payment.PAY_TYPE
LIKE 'CREDIT CARD'));

FIRST_NAME	LAST_NAME	EMAIL	PHN_NO1
Pranay	Makwana	pranay12@gmail.com	9898455202
Rahul	Shukla	rahul45@gmail.com	7148455202

5.3 PL\SQL BLOCKS

5.3.1 FUNCTIONS

1) A FUNCTION THAT CALCULATES THE DELIVERY CHARGES APPLIED TO THE USERS.

DELIMITER \$\$

```
CREATE FUNCTION DELIVERYCHARGE(TOTALAMT DECIMAL(20,3))
RETURNS DECIMAL(10)
DETERMINISTIC
```

```
BEGIN
```

```
    DECLARE DELIVERYCHG DECIMAL(10);
```

```
    IF TOTALAMT > 999 THEN
```

```
        SET DELIVERYCHG = 0;
```

```
    ELSEIF (TOTALAMT >= 500 AND TOTALAMT <= 999) THEN
```

```
        SET DELIVERYCHG = 15*TOTALAMT/100;
```

```
    ELSEIF (TOTALAMT < 500 AND TOTALAMT > 0) THEN
```

```
        SET DELIVERYCHG = 20*TOTALAMT/100;
```

```
    END IF;
```

```
    RETURN (DELIVERYCHG);
```

```
END
```

```
DELIMITER ;
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0026 seconds.)

SELECT DELIVERYCHARGE(200) FROM DUAL

☐ Show all | Number of rows: 25 ▼ | Filter rows: Search this table

+ Options

DELIVERYCHARGE(200)
40

5.3.2 PROCEDURES

1) A PROCEDURE WHICH DISPLAYS TOTAL AMOUNT TO BE PAID INCLUDING DELIVERY CHARGES.

DELIMITER \$\$

CREATE PROCEDURE GETDELIVERYCHG

(

IN ORDERID VARCHAR(10),

OUT TOTALAMOUNTWITHDELIVERYCHARGE DECIMAL(10)

)

BEGIN

DECLARE TOTALAMT DEC(20,3) DEFAULT 0;

SELECT TOTAL_AMT INTO TOTALAMT FROM CART JOIN ORDERS
USING (CART_ID) WHERE ORDER_ID = ORDERID ;

-- call the function

SET DELIVERCHG = TOTALAMT + DELIVERYCHARGE(TOTALAMT);

END\$\$

DELIMITER ;

```
SET @p0='OR001'; CALL `GETDELIVERYCHG` (@p0, @p1); SELECT @p1 AS `TOTALAMOUNTWITHDELIVERYCHARGE`;
```

Execution results of routine `GETDELIVERYCHG`

TOTALAMOUNTWITHDELIVERYCHARGE
12000

2)SEARCH BY PRODUCT NAME AND DISPLAYS EVERY DETAIL OF A PRODUCT.

DELIMITER \$\$

```
CREATE PROCEDURE SEARCHPRODUCT
```

```
(  
    IN PRO_NAME VARCHAR(20)  
)
```

```
BEGIN
```

```
    IF EXISTS(SELECT * FROM product WHERE PROD_NAME = PRO_NAME)  
    THEN
```

```
        SELECT * FROM product WHERE PROD_NAME = PRO_NAME;
```

```
    ELSE
```

```
        SELECT PRO_NAME,'THIS PRODUCT IS NOT FOUND';
```

```
    END IF;
```

```
END
```

DELIMITER ;

```
SET @p0='SAMSUNG CHARGER'; CALL `SEARCHPRODUCT` (@p0);
```

Execution results of routine `SEARCHPRODUCT`

PROD_ID	SELLER_ID	SUBCAT_ID	PROD_NAME	DISCOUNT	PRICE	PICTURE
PR011	U102	SCAT_4	SAMSUNG CHARGER	0	700.00	

Execution results of routine `SEARCHPRODUCT`	
PRO_NAME	THIS PRODUCT IS NOT FOUND
Radmi	THIS PRODUCT IS NOT FOUND

5.3.3 TRIGGERS

1) When a seller inserts a product then the details of the product with the seller name is automatically inserted into the other table named seller_insert.

DELIMITER ///

CREATE OR REPLACE TRIGGER SA_PRODUCT AFTER INSERT ON PRODUCT
FOR EACH ROW

BEGIN

```

    DECLARE    PRO_ID VARCHAR(10) ;
    DECLARE    SEL_ID VARCHAR(10) ;
    DECLARE    SEL_FNAME VARCHAR(10);
    DECLARE    SEL_LNAME VARCHAR(10);
    DECLARE    PRO_NAME  VARCHAR(30) ;
    DECLARE    SUB_ID VARCHAR(10) ;
    DECLARE    S_NAME VARCHAR(10);
    DECLARE    CT_ID VARCHAR(10);
    DECLARE    C_NAME VARCHAR(10);

```

```

    SET PRO_ID = NEW.PROD_ID;
    SET SEL_ID = NEW.SELLER_ID;
    SET PRO_NAME = NEW.PROD_NAME;
    SET DISC = NEW.DISCOUNT;
    SET PRC = NEW.PRICE;
    SET SUB_ID = NEW.SUBCAT_ID;

```

```
SELECT FIRST_NAME, LAST_NAME INTO SEL_FNAME, SEL_LNAME FROM
PERSONAL_DETAIL JOIN USER_INFO USING(P_ID) WHERE USER_ID = SEL_ID;
```

```
SELECT CAT_ID, SUBCAT_NAME INTO CT_ID, S_NAME FROM SUBCATEGORY
WHERE SUBCAT_ID = SUB_ID;
```

```
SELECT CAT_NAME INTO C_NAME FROM CATEGORY WHERE CAT_ID = CT_ID;
INSERT INTO seller_insert
VALUES(PRO_ID,SEL_ID,SEL_FNAME,SEL_LNAME,PRO_NAME,SUB_ID,S_NAME,
CT_ID,C_NAME);
```

END

OUTPUT :

BEFORE INSERTING A PRODUCT

PROD_ID	SELLER_ID	SUBCAT_ID	PROD_NAME	DISCOUNT	PRICE	PICTURE
PR001	U101	SCAT_3	SAMSUNG MOBILE	0	12000.00	
PR002	U104	SCAT_3	LG MOBILE	0	10000.00	
PR003	U105	SCAT_5	LENOVO TABLATE	0	8000.00	
PR004	U103	SCAT_2	DELL LAPTOP	0	12000.00	
PR005	U106	SCAT_2	HP LAPTOP	0	12000.00	
PR006	U102	SCAT_1	DELL COMPUTER	0	12000.00	
PR007	U101	SCAT_1	LENOVO COMPUTER	0	12000.00	
PR008	U109	SCAT_4	MOBILE COVER	50	120.00	
PR009	U108	SCAT_4	LG CHARGER	0	500.00	
PR010	U107	SCAT_2	ASUS LAPTOP	0	12000.00	
PR011	U102	SCAT_4	SAMSUNG CHARGER	0	700.00	
PR012	U105	SCAT_5	SAMSUNG TABLET	0	3500.00	
PR013	U108	SCAT_4	LG CHARGER	0	500.00	
PR014	U103	SCAT_6	FASTRACK WATCH	0	600.00	
PR015	U110	SCAT_6	TIMEX WATCH	0	400.00	
PR016	U109	SCAT_6	TITAN WATCH	0	900.00	
PR017	U105	SCAT_7	CASIO SMARTWATCH	0	900.00	
PR018	U107	SCAT_7	FASTRACK SMARTWATCH	0	800.00	
PR019	U102	SCAT_7	REALME SMARTWATCH	0	1200.00	
PR020	U104	SCAT_7	MI SMARTWATCH	0	1000.00	

Showing rows 0 - 0 (1 total, Query took 0.0005 seconds.)

```
SELECT * FROM `seller_insert`
```

☐ Show all | Number of rows: 25 | Filter rows:

+ Options

PRO_ID	SEL_ID	SEL_FNAME	SEL_LNAME	PRO_NAME	SUB_ID	S_NAME	CT_ID	C_NAME
PR023	U101	Pranay	Makwana	REALME MOBILE	SCAT_3	MOBILE PHO	CAT2	PHONES

AFTER INSERTING PRODUCT

```
INSERT INTO `product` (`PROD_ID`, `SELLER_ID`, `SUBCAT_ID`, `PROD_NAME`,
`DISCOUNT`, `PRICE`, `PICTURE`) VALUES ('PR024', 'U101', 'SCAT_1', 'DELL
COMPUTER', '0', '35000', NULL);
```

<input type="checkbox"/>				PR017	U105	SCAT_7	CASIO SMARTWATCH	0	900.00	
<input type="checkbox"/>				PR018	U107	SCAT_7	FASTRACK SMARTWATCH	0	800.00	
<input type="checkbox"/>				PR019	U102	SCAT_7	REALME SMARTWATCH	0	1200.00	
<input type="checkbox"/>				PR020	U104	SCAT_7	MI SMARTWATCH	0	1000.00	
<input type="checkbox"/>				PR021	U104	SCAT_7	REALME SMARTWATCH	0	1000.00	
<input type="checkbox"/>				PR022	U101	SCAT_3	REALME MOBILE	0	13000.00	[BLOB - 1 B]
<input type="checkbox"/>				PR023	U101	SCAT_3	REALME MOBILE	0	13000.00	
<input type="checkbox"/>				PR024	U101	SCAT_1	DELL COMPUTER	NULL	35000.00	NULL

SELLER_INSERT TABLE AFTER INSERTING A PRODUCT →

+ Options

PRO_ID	SEL_ID	SEL_FNAME	SEL_LNAME	PRO_NAME	SUB_ID	S_NAME	CT_ID	C_NAME
PR023	U101	Pranay	Makwana	REALME MOBILE	SCAT_3	MOBILE PHO	CAT2	PHONES
PR024	U101	Pranay	Makwana	DELL COMPUTER	SCAT_1	DESKTOP CO	CAT1	COMPUTERS

2) The total amount in the table cart is calculated by getting a total of the prices of the products present in the prodcart table.

DELIMITER ///

CREATE TRIGGER tAmountCartProduct AFTER INSERT ON prodcart

```
FOR EACH ROW
BEGIN

    declare tprice decimal(20,3);
    Select sum(price) into tprice from product where prod_id
    in (select prod_id from prodcart where cart_id in(select cart_id from cart
    where cart_id = New.cart_id));
    UPDATE CART SET TOTAL_AMT = tprice WHERE CART_ID = new.Cart_ID;

END
```

OUTPUT:

CART TABLE BEFORE →

+ Options

				CART_ID	TOTAL_AMT	QTY
<input type="checkbox"/>		Edit		Copy		Delete
				CT001	12000.000	0
<input type="checkbox"/>		Edit		Copy		Delete
				CT002	0.000	0

PRODCART TABLE BEFORE →

+ Options

CART_ID	PROD_ID
CT001	PR001

☐ Show all | Number of rows: 25 | Filter rows: Search this table

AFTER INSERTING A PRODUCT INTO PRODCART TABLE →

+ Options

CART_ID	PROD_ID
CT001	PR001
CT002	PR011

TOTAL AMOUNT UPDATED IN CART AFTER INSERTING A PRODUCT INTO PRODCART TABLE

+ Options

				CART_ID	TOTAL_AMT	QTY
<input type="checkbox"/>	 Edit	 Copy	 Delete	CT001	12000.000	0
<input type="checkbox"/>	 Edit	 Copy	 Delete	CT002	700.000	0

3) AUTOMATICALLY PRODUCT IS DELETED FROM PRODUCT TABLE WHEN CUSTOMER BUY THAT PRODUCT.

CREATE OR REPLACE TRIGGER SA_PRODUCT
AFTER INSERT ON PAYMENT FOR EACH ROW
BEGIN

```
    DECLARE TPROD_ID VARCHAR(10);  
    SELECT PROD_ID INTO TPROD_ID FROM prodcart WHERE CART_ID  
    IN(SELECT CART_ID FROM orders WHERE ORDER_ID  
    IN(SELECT ORDER_ID FROM PAYMENT WHERE  
    ORDER_ID=NEW.ORDER_ID));  
    DELETE FROM PRODUCT WHERE PROD_ID = TPROD_ID;
```

END;

OUTPUT:

BEFORE TRIGGER EXECUTE -

PROD_ID	SELLER_ID	SUBCAT_ID	PROD_NAME	DISCOUNT	PRICE	PICTURE
PR001	U101	SCAT_3	SAMSUNG MOBILE	0	12000.00	
PR002	U104	SCAT_3	LG MOBILE	0	10000.00	
PR003	U105	SCAT_5	LENOVO TABLATE	0	8000.00	
PR004	U103	SCAT_2	DELL LAPTOP	0	12000.00	
PR005	U106	SCAT_2	HP LAPTOP	0	12000.00	

AFTER PAYMENT PROCESS IS DONE FOR PR001

PROD_ID	SELLER_ID	SUBCAT_ID	PROD_NAME	DISCOUNT	PRICE	PICTURE
PR002	U104	SCAT_3	LG MOBILE	0	10000.00	
PR003	U105	SCAT_5	LENOVO TABLATE	0	8000.00	
PR004	U103	SCAT_2	DELL LAPTOP	0	12000.00	
PR005	U106	SCAT_2	HP LAPTOP	0	12000.00	
PR006	U102	SCAT_1	DELL COMPUTER	0	12000.00	

5.3.4 CURSOR

1) Display the user and the number of product they have sell product Price is greater then 3000.

```
CREATE DEFINER='root'@'localhost' PROCEDURE `C1`() NOT DETERMINISTIC NO
SQL SECURITY DEFINER
BEGIN
    DECLARE    U_NAME VARCHAR(20);
    DECLARE    U_TOTAL DECIMAL(20);
    DECLARE    finished int(2);
    DECLARE COUNT_USER CURSOR FOR SELECT SELLER_ID ,COUNT(PROD_ID)
    FROM product WHERE PRICE >3000 GROUP BY SELLER_ID ORDER BY
    COUNT(PROD_ID) DESC;
    DECLARE CONTINUE HANDLER FOR NOT FOUND SET finished=1;

    OPEN COUNT_USER;
    get_detail:LOOP
```

```

        FETCH COUNT_USER INTO U_NAME, U_TOTAL;
        IF finished=1 THEN
            LEAVE get_detail;
        END IF;
        SELECT U_NAME AS 'Name',U_TOTAL As 'Total Product';
    END LOOP get_detail;
    CLOSE COUNT_USER;
END;
END;

```

User_ID	Total Product
U104	2

User_ID	Total Product
U105	2

User_ID	Total Product
U102	1

User_ID	Total Product
U106	1

User_ID	Total Product
U103	1

User_ID	Total Product
U107	1

User_ID	Total Product
U101	1

6. Conclusion

We have learned so many things about database as well as database management. We have created a replica of the olx website named ABK.com(AaoBechoKharido.com). We have successfully connected our database with our User interface. We have learnt how to insert data into tables and fetch values from database using the php language. Side by side we have learnt about css and html in depth so that our User Interface looks good and familiar to our users. Our fundamentals and Logics regarding database as well as database connection using php is cleared.

7. BIBLIOGRAPHY

Books:

Database System Concepts By: Henry F. Korth

PL/SQL Programming By: Ivan Bayross

Website Referred:

<https://www.stackoverflow.com/>

www.w3school.com

<https://www.apachefriends.org/download.html>

<https://www.mysql.com/>

Module Services:

Xampp->Module: Apache -> <http://localhost>

Mysql database : <http://localhost/phpmyadmin/>

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