

ER Diagram of e-Commerce database for mobile store

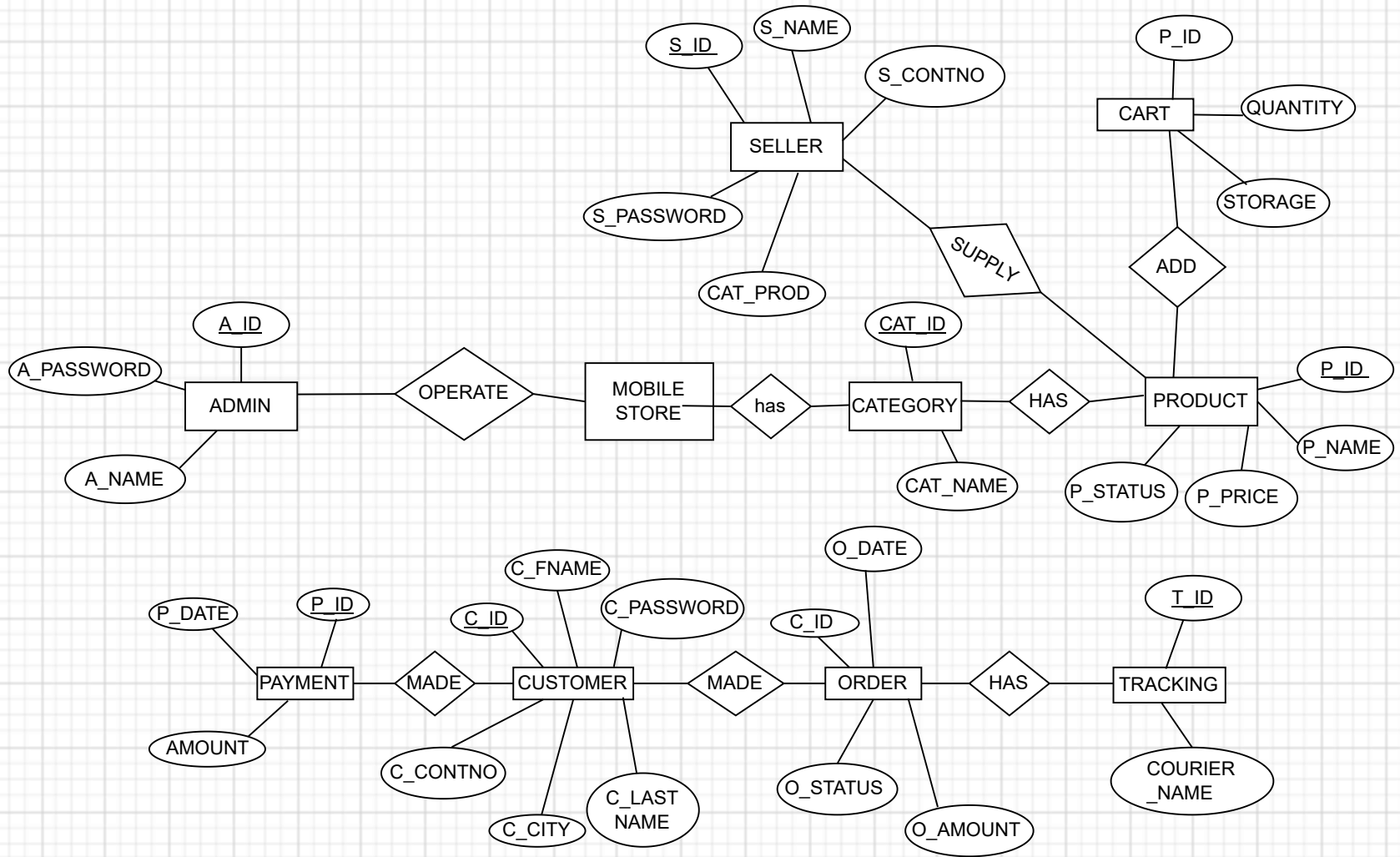


TABLE CREATION & INSERTING DATA

```
CREATE TABLE CUSTOMER(  
C_ID INT PRIMARY KEY,  
C_FNAME CHAR(50),  
C_LNAME CHAR(50),  
C_PASSWORD CHAR(50),  
C_CITY CHAR(50),  
C_CONTNO VARCHAR(255)  
);
```

```
INSERT INTO CUSTOMER  
VALUES(101,'ALIYA','BHATT','G!HGD1','BOMBAY',9898231289),  
(102,'BIPASHA','BASU','5&UQDP','PUNE',982145812),  
(103,'SRUTI','HAASAN','8#HJSK6','GUJARAT',9409753494);
```

```
CREATE TABLE SELLER(  
S_ID INT PRIMARY KEY,  
S_NAME CHAR(50),  
S_CONTNO VARCHAR(255),  
S_PASSWORD CHAR(50),  
CAT_PROD CHAR(50)  
);
```

```
INSERT INTO SELLER  
VALUES(101,'NAYAN',9734567123,'5252A@!','FEATURED_PHONE'),  
(102,'AJAY',9616263748,'V#JSL123','SMART_PHONE'),  
(103,'HARISH',988562378,'MC&892','GAMING_PHONE');
```

```
CREATE TABLE ADMIN(  
A_ID INT PRIMARY KEY,  
A_PASSWORD CHAR(50),  
A_NAME CHAR(50)  
);
```

```
INSERT INTO ADMIN VALUES(201,'G@123','GAURAV'),  
(202,'A$897','AARAV'),(203,'M%729','MAHIMA');
```

```
CREATE TABLE PRODUCT(  
P_ID INT PRIMARY KEY,  
P_NAME CHAR(50),  
P_PRICE INT,  
P_STATUS CHAR(50)  
);
```

```
INSERT INTO PRODUCT VALUES(101,'NOKIA 5110',8250,'OUT OF STOCK'),  
(102,'MOTOROLA G',9500,'AVAILABLE'),  
(103,'INFINIX NOTE12 PRO',15999,'AVAILABLE');
```

```
CREATE TABLE CART(  
P_ID INT,  
QUANTITY INT,  
STORAGE CHAR(50),  
FOREIGN KEY(P_ID) REFERENCES PRODUCT(P_ID)  
);
```

```
INSERT INTO CART VALUES(101,3,DEFAULT),  
(102,2,'4GB/64GB'),(102,4,'8GB/256GB');
```

```
CREATE TABLE ORDR(  
ORDER_NO INT PRIMARY KEY,  
C_ID INT,  
O_DATE DATE,  
O_STATUS CHAR(50),  
O_AMOUNT INT,  
FOREIGN KEY(C_ID) REFERENCES CUSTOMER(C_ID)  
);
```

```
INSERT INTO ORDR VALUES(1,101,'2022/11/28','REFUNDED',10000),  
(2,102,'2022/12/01','PENDING',35000),  
(3,103,'2022/12/02','DELIVERED',70600);
```

```
CREATE TABLE PAYMENT(  
P_ID INT PRIMARY KEY,  
P_DATE DATE,  
AMOUNT INT  
);
```

```
INSERT INTO PAYMENT VALUES(201,'2022/12/01',10000),
(202,'2022/12/01',35000),(203,'2022/12/02',70600);
```

```
CREATE TABLE CATEGORY(
CAT_ID INT PRIMARY KEY,
CAT_NAME CHAR(50)
);
```

```
INSERT INTO CATEGORY
VALUES(10,'FEATURED_PHONE'),(11,'SMART_PHONE'),(12,'GAMING_PHONE');
```

```
CREATE TABLE TRACKING(
T_ID VARCHAR(255) PRIMARY KEY,
COURIER_NAME CHAR(50)
);
```

```
INSERT INTO TRACKING VALUES('AWD7237','DTDC'),
('AWBD3981','BLUE DART'),('AWGT72398','GATI');
```

QUERIES

```
-- 1
SELECT * FROM CUSTOMER ORDER BY C_CITY;
```

```
-- 2
ALTER TABLE PRODUCT
RENAME COLUMN P_ID TO PROD_ID,
RENAME COLUMN P_NAME TO PROD_NAME,
RENAME COLUMN P_PRICE TO PROD_PRICE,
RENAME COLUMN P_STATUS TO PROD_STATUS;
SELECT*FROM PRODUCT;
```

```
-- 3
SELECT CUSTOMER.C_ID,CUSTOMER.C_FNAME,CUSTOMER.C_LNAME FROM
CUSTOMER
INNER JOIN ORDR
ON CUSTOMER.C_ID=ORDR.C_ID;
```

```
-- 4
SELECT
CUSTOMER.C_ID,CUSTOMER.C_FNAME,CUSTOMER.C_LNAME,CUSTOMER.C_CITY,
CUSTOMER.C_CONTNO FROM CUSTOMER
INNER JOIN ORDR
ON CUSTOMER.C_ID=ORDR.C_ID
WHERE CUSTOMER.C_FNAME LIKE'A%A';
```

```
-- 5
SELECT * FROM ORDR WHERE O_AMOUNT > 10000 AND O_STATUS='DELIVERED';
```

```
-- 6
DELIMITER $$
CREATE PROCEDURE NEWCTABLE()
BEGIN
CREATE TABLE NEWCUSTOMER(
C_ID INT PRIMARY KEY,
C_FNAME CHAR(50),
C_LNAME CHAR(50),
C_PASSWORD CHAR(50),
C_CITY CHAR(50),
C_CONTNO VARCHAR(255)
);
END$$
DELIMITER;
```

```
DELIMITER $$
CREATE PROCEDURE NEWCINSERT()
BEGIN
INSERT INTO NEWCUSTOMER
VALUES(101,'SONA','BHATT','G!HGD1','PUNE',9998231289),
(102,'KATRINA','BEN','5&UQDP','GUDGAU',942145812),
(103,'KARINA','KAPOOR','8#HJSK6','DELHI',7809753494);
END$$
DELIMITER;
```

```
DELIMITER $$
CREATE PROCEDURE NEWCALETER()
BEGIN
ALTER TABLE NEWCUSTOMER CHANGE C_FNAME CUST_FNAME VARCHAR(50);
END$$
DELIMITER;
```

```
CALL NEWCTABLE();
CALL NEWCINSERT();
CALL NEWCALETER();
```