

**Name: Sanjay Khanna S**

**Emp ID : 12124**

**Database Management System Assessment**

## **Question: Online shopping System**

**Note:**

**Design database for the given scenario and use DDL and DML statements to perform the CRUD operations.**

- 1.Understand the given problem statement and apply W3H to analyse it.
- 2.Bring out the list of tables and attributes required for the database design.
- 3.Apply Normalization.
- 4.Draw an ER Diagram.
- 5.Perform the CRUD operations.

## W3H Analysis

What?	How?
<p><b>Q: What are the basics feature need to be implemented?</b></p> <p>Ans</p> <ol style="list-style-type: none"> <li>1. View Product</li> <li>2. Search Product</li> <li>3. Buy Product</li> <li>4. Add to Cart</li> </ol> <p><b>Q: Who are the Actors involves in this project?</b></p> <p>Ans</p> <ol style="list-style-type: none"> <li>1. Customer / Buyer</li> <li>2. Seller</li> <li>3. Admin</li> </ol> <p><b>Q: What are the additional information about the basic feature?</b></p> <p>Ans</p> <ol style="list-style-type: none"> <li>1) View Product <ol style="list-style-type: none"> <li>i) Product id</li> <li>ii) Product name</li> <li>iii) Product price</li> <li>iv) Product type</li> </ol> </li> <li>2) Search Product <ol style="list-style-type: none"> <li>i) Product id</li> <li>ii) Product name</li> <li>iii) Search id</li> </ol> </li> <li>3) Buy Product <ol style="list-style-type: none"> <li>i) Purchase id</li> <li>ii) Cart id</li> <li>iii) Customer id</li> <li>iv) Product id</li> <li>v) Product name</li> <li>vi) Product Price</li> <li>vii) Transaction id</li> </ol> </li> <li>4) Add to cart <ol style="list-style-type: none"> <li>i) Cart id</li> <li>ii) Product id</li> <li>iii) Product name</li> </ol> </li> </ol> <p><b>Q: What are the necessary table should be created?</b></p> <p>Ans</p> <ol style="list-style-type: none"> <li>1. Customer table</li> <li>2. Product table</li> <li>3. Cart table</li> <li>4. Purchase table</li> <li>5. Transaction table</li> </ol>	<ol style="list-style-type: none"> <li>1) <b>How to view a product?</b> Ans <ol style="list-style-type: none"> <li>i. By selecting product id</li> <li>ii. By selecting product name</li> <li>iii. By selecting both product id and name</li> </ol> </li> <li>2) <b>How to search a product?</b> Ans <ol style="list-style-type: none"> <li>i. By selecting product id</li> <li>ii. By selecting product name</li> <li>iii. By selecting both product id and name</li> </ol> </li> <li>3) <b>How to filter the product while searching?</b> Ans <ol style="list-style-type: none"> <li>i. By product type</li> <li>ii. By product price</li> <li>iii. By both product type and price</li> </ol> </li> <li>4) <b>How to add a product to cart?</b> Ans <ol style="list-style-type: none"> <li>i. By selecting product name</li> <li>ii. By selecting product price</li> <li>iii. By selecting product type</li> </ol> </li> <li>5) <b>How to cancel the stored product in the cart?</b> Ans <ol style="list-style-type: none"> <li>i. By using product name</li> <li>ii. By using product id</li> <li>iii. By using product type</li> </ol> </li> <li>6) <b>How to make a purchase of product which stored the in cart?</b> Ans <ol style="list-style-type: none"> <li>i. By using product id</li> <li>ii. By using Cart id</li> <li>iii. By using Both product and cart ids</li> </ol> </li> <li>7) <b>How to confirm the purchase of a product?</b> Ans <ol style="list-style-type: none"> <li>i. By using transaction id</li> <li>ii. By using transaction status</li> <li>iii. By using transaction amount</li> </ol> </li> <li>8) <b>How will a customer login to this online shopping system?</b> Ans <ol style="list-style-type: none"> <li>i. By using email</li> <li>ii. By using phone number</li> <li>iii. By using both email and phone no</li> </ol> </li> </ol>

Why?	Why Not?
<p>1. <b>How to view a product?</b>  i. <b>By selecting product id</b>  (Because, product id is a unique one)</p> <p>2. <b>How to search a product?</b>  i. <b>By selecting both product id and name</b>  (Because, searching process can be faster while using both)</p> <p>3. <b>How to filter the product while searching?</b>  i. <b>By product type</b>  (Because, product type define the difference and category)</p> <p>4. <b>How to add a product to cart?</b>  i. <b>By selecting product name</b>  (Because, product name will more efficient than other options)</p> <p>5. <b>How to cancel the stored product in the cart?</b>  i. <b>By using product id</b>  (Because, product id is unique so it show the direct relationship about the product)</p> <p>6. <b>How to make a purchase of product which stored the in cart?</b>  i. <b>By using Both product and cart ids</b>  (Because, they both are the essential details to be used)</p> <p>7. <b>How to confirm the purchase of a product?</b>  i. <b>By using transaction status</b>  (Because, transaction status is meant for confirmation of the payment for the product)</p> <p>8. <b>How will a customer login to this online shopping system?</b>  i. <b>By using both email and phone number</b>  (Because, email and phone number or the essential details for user, used for verification)</p>	<p><b>How to view a product?</b>  Change of duplication in the products and product name is cannot to be a unique</p> <p><b>How to search a product?</b>  Searching with any one option show less and moderate results</p> <p><b>How to filter the product while searching?</b>  Other options of the secondary ones which is compared to the product type</p> <p><b>How to add a product to cart?</b>  Other option has less efficiency and relationship as compared to product name</p> <p><b>How to cancel the stored product in the cart?</b>  Product name and type can be duplicate so cancellation is a main process so id is more preferable</p> <p><b>How to make a purchase of product which stored the in cart?</b>  Both id's are essential so it not be consider any one</p> <p><b>How to confirm the purchase of a product?</b>  Transaction id and amount are the field which refer the input but status is value from the verification</p> <p><b>How will a customer login to this online shopping system?</b>  Both email and phone number is a contact option so best is to using both options</p>

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## Tables

### **Customer**

Customer\_id (Primary key)  
 Customer\_name (not null)  
 Customer\_age  
 Customer\_gender  
 Customer\_email (not null)  
 Customer\_phone\_no (not null)  
 Cart\_id (foreign key)

### **Product**

Product\_id (Primary key)  
 Product\_Name (not null)  
 Product\_Type (not null)  
 Product\_price (default 0)

### **Cart**

Cart\_id (Primary Key)  
 Product\_id (Foreign key)  
 Product\_name //Partial Dependency

### **Purchase**

Purchase\_id (primary key)  
 Purchase\_date (not null)  
 Cart\_id (foreign key)  
 Customer\_id (foreign key)  
 Product\_id (foreign key)  
 Product\_name //Partial Dependency  
 Product\_Price //Partial Dependency  
 Transaction\_id (foreign key)

### **Transaction**

Transaction\_id (primary key)  
 Transaction\_status (not null)  
 Transaction\_amount (default 0)  
 Product\_id (foreign key)

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## After Normalization

### Final Tables

#### **Customer**

Customer\_id (Primary key)  
Customer\_name (not null)  
Customer\_age  
Customer\_gender  
Customer\_email (not null)  
Customer\_phone\_no (not null)  
Cart\_id (foreign key)

#### **Product**

Product\_id (Primary key)  
Product\_Name (not null)  
Product\_Type (not null)  
Product\_price (default 0)

#### **Cart**

Cart\_id (Primary Key)  
Product\_id (Foreign key)

#### **Purchase**

Purchase\_id (primary key)  
Purchase\_date (not null)  
Cart\_id (foreign key)  
Customer\_id (foreign key)  
Product\_id (foreign key)  
Transaction\_id (foreign key)

#### **Transaction**

Transaction\_id (primary key)  
Transaction\_status (not null)  
Transaction\_amount (default 0)  
Product\_id (foreign key)

--	--

## CRUD Operation on each Tables

### Product

```
Select MySQL 8.0 Command Line Client
mysql> create database oss_db;
Query OK, 1 row affected (0.01 sec)

mysql> use oss_db;
Database changed
mysql> create table product_tbl(product_id int primary key,product_name varchar(30) not null,product_type varchar(15) not null,product_price int default 0);
Query OK, 0 rows affected (0.03 sec)

mysql> desc product_tbl;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| product_id | int | NO | PRI | NULL | |
| product_name | varchar(30) | NO | | NULL | |
| product_type | varchar(15) | NO | | NULL | |
| product_price | int | YES | | 0 | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
MySQL 8.0 Command Line Client
mysql> insert into product_tbl values (1,"Vivo V17","Smart Phone",25000),(2,"Boat TWS","Head phones",18000),(3,"Dell i7","Laptop",54000);
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> select * from product_tbl;
+-----+-----+-----+-----+
| product_id | product_name | product_type | product_price |
+-----+-----+-----+-----+
| 1 | Vivo V17 | Smart Phone | 25000 |
| 2 | Boat TWS | Head phones | 18000 |
| 3 | Dell i7 | Laptop | 54000 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> update product_tbl set product_price = 20000 where product_id = 2;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from product_tbl;
+-----+-----+-----+-----+
| product_id | product_name | product_type | product_price |
+-----+-----+-----+-----+
| 1 | Vivo V17 | Smart Phone | 25000 |
| 2 | Boat TWS | Head phones | 20000 |
| 3 | Dell i7 | Laptop | 54000 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> insert into product_tbl value (4,"Samsung S24","Smart Phone",85000);
Query OK, 1 row affected (0.00 sec)

mysql> select * from product_tbl;
+-----+-----+-----+-----+
| product_id | product_name | product_type | product_price |
+-----+-----+-----+-----+
| 1 | Vivo V17 | Smart Phone | 25000 |
| 2 | Boat TWS | Head phones | 20000 |
| 3 | Dell i7 | Laptop | 54000 |
| 4 | Samsung S24 | Smart Phone | 85000 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql> insert into product_tbl value (4,"Samsung S24","Smart Phone",85000);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from product_tbl;
```

product_id	product_name	product_type	product_price
1	Vivo V17	Smart Phone	25000
2	Boat TWS	Head phones	20000
3	Dell i7	Laptop	54000
4	Samsung S24	Smart Phone	85000

```
4 rows in set (0.00 sec)
```

```
mysql> delete from product_tbl where product_id = 4;
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from product_tbl;
```

product_id	product_name	product_type	product_price
1	Vivo V17	Smart Phone	25000
2	Boat TWS	Head phones	20000
3	Dell i7	Laptop	54000

```
3 rows in set (0.00 sec)
```

```
mysql>
```

## Cart

```
mysql> create table cart_tbl(cart_id int primary key,product_id int, foreign key(product_id) references product_tbl(product_id));
Query OK, 0 rows affected (0.02 sec)
```

```
-> ^C
```

```
mysql> insert into cart_tbl values (1,1),(2,2),(3,3);
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

```
mysql> select * from cart_tbl;
```

cart_id	product_id
1	1
2	2
3	3

```
3 rows in set (0.00 sec)
```

```
mysql> insert into cart_tbl value (4,3);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from cart_tbl;
```

cart_id	product_id
1	1
2	2
3	3
4	3

```
4 rows in set (0.00 sec)
```

```
mysql> update cart_tbl set cart_id = 5 where cart_id = 4;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```



```
MySQL 8.0 Command Line Client

mysql> update cart_tbl set cart_id = 5 where cart_id = 4;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from cart_tbl;
+-----+-----+
| cart_id | product_id |
+-----+-----+
| 1       | 1          |
| 2       | 2          |
| 3       | 3          |
| 5       | 3          |
+-----+-----+
4 rows in set (0.00 sec)

mysql> delete from cart_tbl where cart_id = 5;
Query OK, 1 row affected (0.00 sec)

mysql> select * from cart_tbl;
+-----+-----+
| cart_id | product_id |
+-----+-----+
| 1       | 1          |
| 2       | 2          |
| 3       | 3          |
+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

## Customer

```
MySQL 8.0 Command Line Client

mysql> create table customer_tbl(cus_id int primary key,cus_name varchar(20) not null,cus_age int,cus_gender varchar(6),cus_email varchar(50) not null,cus_number varchar(13) not null,card_id int,foreign key(card_id) references cart_tbl(card_id));
Query OK, 0 rows affected (0.02 sec)

mysql> desc customer_tbl;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cus_id | int | NO | PRI | NULL | |
| cus_name | varchar(20) | NO | | NULL | |
| cus_age | int | YES | | NULL | |
| cus_gender | varchar(6) | YES | | NULL | |
| cus_email | varchar(50) | NO | | NULL | |
| cus_number | varchar(13) | NO | | NULL | |
| card_id | int | YES | MUL | NULL | |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> insert into customer_tbl values (1,"Sanjay",23,"Male","sanjay@gmail.com","+916383587926",1),(2,"Sam",22,"Female","sam@gmail.com","+911234567890",2),(3,"khanna",21,"Male","Khanna@gmail.com","+1234567890",3);
Query OK, 3 rows affected (0.01 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> select * from customer_tbl;
+-----+-----+-----+-----+-----+-----+-----+
| cus_id | cus_name | cus_age | cus_gender | cus_email | cus_number | card_id |
+-----+-----+-----+-----+-----+-----+-----+
| 1      | Sanjay   | 23      | Male      | sanjay@gmail.com | +916383587926 | 1       |
| 2      | Sam      | 22      | Female    | sam@gmail.com    | +911234567890 | 2       |
| 3      | khanna   | 21      | Male      | Khanna@gmail.com | 1234567890    | 3       |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

```
MySQL 8.0 Command Line Client

mysql> insert into customer_tbl values (1,"Sanjay",23,"Male","sanjay@gmail.com","+916383587926",1),(2,"Sam",22,"Female","sam@gmail.com","+911234567890",2),(3,"khanna",21,"Male","Khanna@gmail.com","+1234567890",3);
Query OK, 3 rows affected (0.01 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> select * from customer_tbl;
+-----+-----+-----+-----+-----+-----+-----+
| cus_id | cus_name | cus_age | cus_gender | cus_email | cus_number | card_id |
+-----+-----+-----+-----+-----+-----+-----+
| 1      | Sanjay   | 23      | Male      | sanjay@gmail.com | +916383587926 | 1       |
| 2      | Sam      | 22      | Female    | sam@gmail.com    | +911234567890 | 2       |
| 3      | khanna   | 21      | Male      | Khanna@gmail.com | 1234567890    | 3       |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> insert into customer_tbl value (4,"Vishnu",22,"Male","vish@gmail.com","+9876543210",1);
Query OK, 1 row affected (0.00 sec)

mysql> select * from customer_tbl;
+-----+-----+-----+-----+-----+-----+-----+
| cus_id | cus_name | cus_age | cus_gender | cus_email | cus_number | card_id |
+-----+-----+-----+-----+-----+-----+-----+
| 1      | Sanjay   | 23      | Male      | sanjay@gmail.com | +916383587926 | 1       |
| 2      | Sam      | 22      | Female    | sam@gmail.com    | +911234567890 | 2       |
| 3      | khanna   | 21      | Male      | Khanna@gmail.com | 1234567890    | 3       |
| 4      | Vishnu   | 22      | Male      | vish@gmail.com   | +9876543210   | 1       |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
MySQL 8.0 Command Line Client
mysql> update customer_tbl set cus_age=23 where cus_name="Vishnu";
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from customer_tbl;
+-----+-----+-----+-----+-----+-----+-----+
| cus_id | cus_name | cus_age | cus_gender | cus_email | cus_number | cart_id |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | Sanjay | 23 | Male | sanjay@gmail.com | +916383587926 | 1 |
| 2 | Sam | 22 | Female | sam@gmail.com | +911234567890 | 2 |
| 3 | Khanna | 21 | Male | Khanna@gmail.com | 1234567890 | 3 |
| 4 | Vishnu | 23 | Male | vish@gmail.com | 9876543210 | 1 |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> delete from customer_tbl where cus_name = "vishnu";
Query OK, 1 row affected (0.00 sec)

mysql> select * from customer_tbl;
+-----+-----+-----+-----+-----+-----+-----+
| cus_id | cus_name | cus_age | cus_gender | cus_email | cus_number | cart_id |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | Sanjay | 23 | Male | sanjay@gmail.com | +916383587926 | 1 |
| 2 | Sam | 22 | Female | sam@gmail.com | +911234567890 | 2 |
| 3 | Khanna | 21 | Male | Khanna@gmail.com | 1234567890 | 3 |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

## Transaction

```
MySQL 8.0 Command Line Client
mysql> Create table transaction_tbl(trans_id int primary key,trans_status varchar(15) not null,trans_amount int default 0,product_id int,foreign key(product_id) references
product_tbl(product_id));
Query OK, 0 rows affected (0.02 sec)

mysql> desc transaction_tbl;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| trans_id | int | NO | PRI | NULL | |
| trans_status | varchar(15) | NO | | NULL | |
| trans_amount | int | YES | | 0 | |
| product_id | int | YES | MUL | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> insert into transaction_tbl values(1,"Completed",25000,1),(2,"Incompleted",0,2),(3,"Completed",54000,3);
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> select * from transaction_tbl;
+-----+-----+-----+-----+
| trans_id | trans_status | trans_amount | product_id |
+-----+-----+-----+-----+
| 1 | Completed | 25000 | 1 |
| 2 | Incompleted | 0 | 2 |
| 3 | Completed | 54000 | 3 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
MySQL 8.0 Command Line Client
mysql> insert into transaction_tbl value (4,"Incompleted",0,1);
Query OK, 1 row affected (0.00 sec)

mysql> select * from transaction_tbl;
+-----+-----+-----+-----+
| trans_id | trans_status | trans_amount | product_id |
+-----+-----+-----+-----+
| 1 | Completed | 25000 | 1 |
| 2 | Incompleted | 0 | 2 |
| 3 | Completed | 54000 | 3 |
| 4 | Incompleted | 0 | 1 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> update transaction_tbl set trans_status = "Completed" , trans_amount = 20000 where trans_id = 2;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from transaction_tbl;
+-----+-----+-----+-----+
| trans_id | trans_status | trans_amount | product_id |
+-----+-----+-----+-----+
| 1 | Completed | 25000 | 1 |
| 2 | Completed | 20000 | 2 |
| 3 | Completed | 54000 | 3 |
| 4 | Incompleted | 0 | 1 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> delete from transaction_tbl where trans_status = "Incompleted";
Query OK, 1 row affected (0.00 sec)

mysql> select * from transaction_tbl;
+-----+-----+-----+-----+
| trans_id | trans_status | trans_amount | product_id |
+-----+-----+-----+-----+
| 1 | Completed | 25000 | 1 |
| 2 | Completed | 20000 | 2 |
| 3 | Completed | 54000 | 3 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

## Purchase

```
MySQL 8.0 Command Line Client
mysql> create table purchase_tbl(pur_id int primary key,pur_date date not null,car_id int,customer_id int,product_id int,trans_id int,foreign key(car_id) references cart_
tbl(car_id),foreign key(product_id) references product_tbl(product_id),foreign key(customer_id) references customer_tbl(cus_id),foreign key(trans_id) references transactio
n_tbl(trans_id));
Query OK, 0 rows affected (0.03 sec)

mysql> desc purchase_tbl;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| pur_id | int | NO | PRI | NULL | |
| pur_date | date | NO | | NULL | |
| car_id | int | YES | MUL | NULL | |
| customer_id | int | YES | MUL | NULL | |
| product_id | int | YES | MUL | NULL | |
| trans_id | int | YES | MUL | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> insert into purchase_tbl values (1,'2024-01-10',1,1,1,1),(2,'2024-01-15',2,2,2,2),(3,'2024-01-19',3,3,3,3);
Query OK, 3 rows affected (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> select * from purchase_tbl;
+-----+-----+-----+-----+-----+-----+
| pur_id | pur_date | car_id | customer_id | product_id | trans_id |
+-----+-----+-----+-----+-----+-----+
| 1 | 2024-01-10 | 1 | 1 | 1 | 1 |
| 2 | 2024-01-15 | 2 | 2 | 2 | 2 |
| 3 | 2024-01-19 | 3 | 3 | 3 | 3 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```

mysql> update purchase_tbl set pur_date = '2024-01-18' where pur_id = 3;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from purchase_tbl;
+----+-----+-----+-----+-----+-----+
| pur_id | pur_date | cart_id | customer_id | product_id | trans_id |
+----+-----+-----+-----+-----+-----+
| 1 | 2024-01-10 | 1 | 1 | 1 | 1 |
| 2 | 2024-01-15 | 2 | 2 | 2 | 2 |
| 3 | 2024-01-18 | 3 | 3 | 3 | 3 |
+----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> delete from purchase_tbl where pur_date = '2024-01-10';
Query OK, 1 row affected (0.00 sec)

mysql> select * from purchase_tbl;
+----+-----+-----+-----+-----+-----+
| pur_id | pur_date | cart_id | customer_id | product_id | trans_id |
+----+-----+-----+-----+-----+-----+
| 2 | 2024-01-15 | 2 | 2 | 2 | 2 |
| 3 | 2024-01-18 | 3 | 3 | 3 | 3 |
+----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>

```

## ER Diagram :

