

Rental_id	Customer_fk	Vehicle_fk	Start_date	returnr

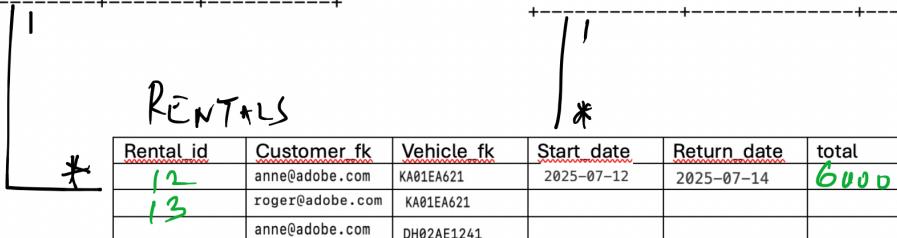
mysql> select \* from customers;

email	fname	lname
anne@adobe.com	Anne	Hathaway
roger@adobe.com	Roger	Smith

mysql> select \* from vehicles;

reg_no	cost_per_day	fuel_type
DH02AE1241	4500	PETROL
KA01EA621	3500	DIESEL
UP41A900	5500	ELECTRIC



mysql> select \* from customers;

email	fname	lname
geetha@adobe.com	Geetha	Mohan
rita@adobe.com	Rita	Jones
roger@adobe.com	Roger	Smith

mysql> select \* from products;

id	name	price	qty
1	iPhone 16	89000	100
2	Sony Bravia	297000	100
3	Wacom	5350	100
4	Logitech Mouse	900	100
5	LG AC	45000	100

orders

```

    graph TD
        C1[Customer] --- O[orders]
        P1[Product] --- O
        O --- C2[Customer]
        O --- P2[Product]
    
```

The orders table connects two entities: Customer and Product. A single order record can involve multiple customers and multiple products.

Oid	Order_date	Customer_fk	amount
343	22-JUL-2025 4:50:11	rita@adobe.com	453535
344	22-JUL-2025 6:10:10	roger@adobe.com	64234
345	23-JUL-2025 10:30	rita@adobe.com	73434

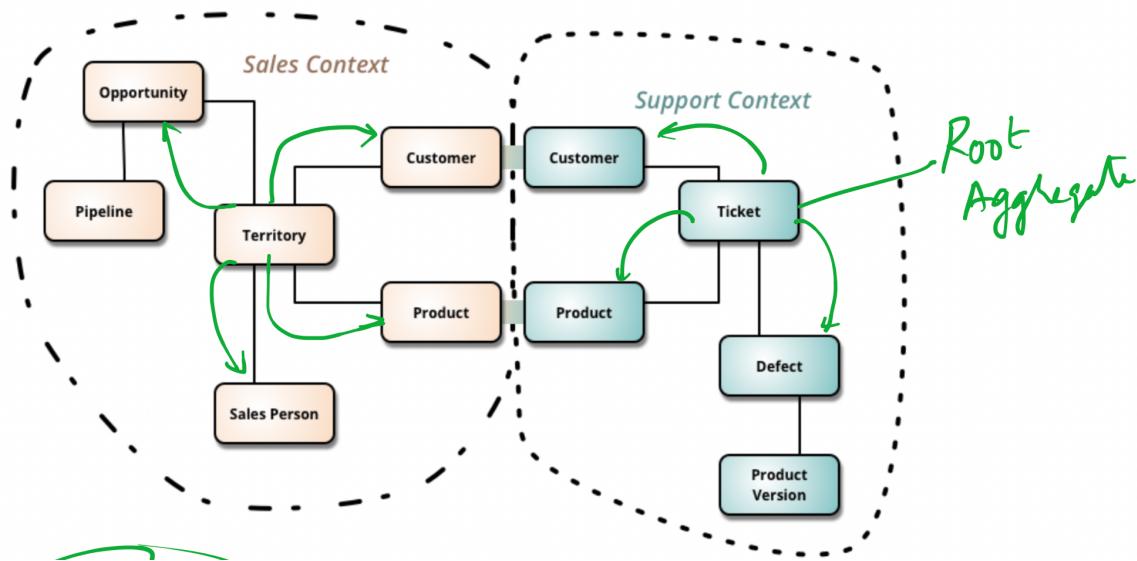
Line\_items

```

    graph TD
        O[orders] --- LI[Line_items]
        P[Product] --- LI
        LI --- O
        LI --- P
    
```

The Line\_items table connects two entities: Order and Product. A single line item record in the Line\_items table corresponds to a specific order and a specific product.

Item_id	order_fk	Product_fk	qty	amount
612	343	2	1	<>>
613	343	1	2	<>>
614	344	1	1	<>>
615	344	4	3	<>>



```
mysql> select * from vehicles;
+-----+-----+-----+
| reg_no | cost_per_day | fuel_type |
+-----+-----+-----+
| DH02AE1241 | 4500 | PETROL |
| KA01EA621 | 3500 | DIESEL |
| UP41A900 | 5500 | ELECTRIC |
+-----+-----+-----+
```

## SQL

SQL is based on table and column names

```
select * from vehicles
```

```
select * from vehicles where cost_per_day between 3000 and 5000;
```

```
select reg_no, fuel_type from vehicles
```

```
@Table(name="vehicles")
public class Vehicle {

    @Id
    @Column(name="REG_NO", length = 50)
    private String registrationNumber;

    @Column(name="FUEL_TYPE", length = 50)
    private String fuelType;

    @Column(name="COST_PER_DAY")
    private double costPerDay;
}
```

## JP-QL

JP-QL is based on class and field names

```
from Vehicle
```

```
from Vehicle where costPerDay between 3000 and 5000
```

```
select registrationNumber, fuelType from Vehicle
```