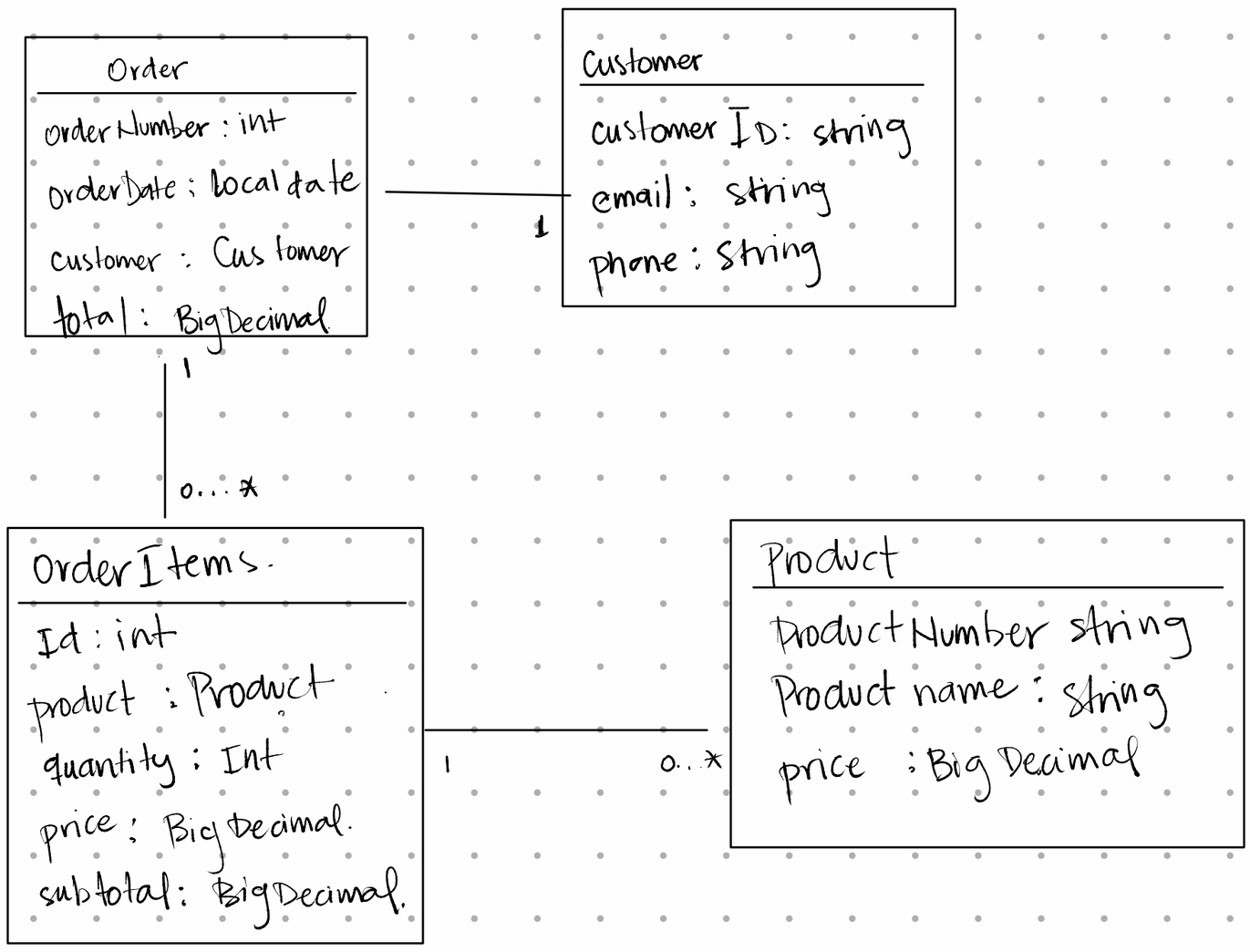
1.- Draw the table including data that you need to store this order in a relational DB



Customer

id	name	email	phone
1	leo Medina	leo@gmail	062356543

Product table

id	productName	price
1	iphone 12	980.00
2	samsung 12s	800.00

Order table

OrderNumber	date	customer_id	total
122435	2021-11-09	1	5160.0

Order Item

Order Number	productNumber	quantity	sub total
122435	1	2	1960.00
12243	2	4	3200.00

2) Draw the collections including data that you need to store in a mong DB

customers {
_id: ObjectId ( )
name: "Leonardo Medina",
email: "leoz.31@hotmail.com",
phone: "062356"
}

Products
{
_id: ObjectId( )
productNumber: "A566"
productName: "iphone 12"
price: 980.00
}
{
_id: ObjectId( )
productNumber: "533"
productName: "Samsung Galaxy 12"
price: 800.00
}

orders.
{
_id: object( )
orderNumber: 122435
date: ISODATE ("2021-11-09")
customer: {
name: "Leonardo Medina",
email: "leoz.31@hotmail.com",
phone: "062356"
}

items: [
{
productNumber: "A566"
productName: "iphone 12"
price: 980.00
quantity: 2
subtotal: 1960.00
}
{
productNumber: "533"
productName: "Samsung Galaxy 12"
price: 800.00
quantity: 4
subtotal: 3200.00
}

total: 5160.00
}

③ Draw the tables including data that you need to store this order in a cassandra DB

Order by Customer

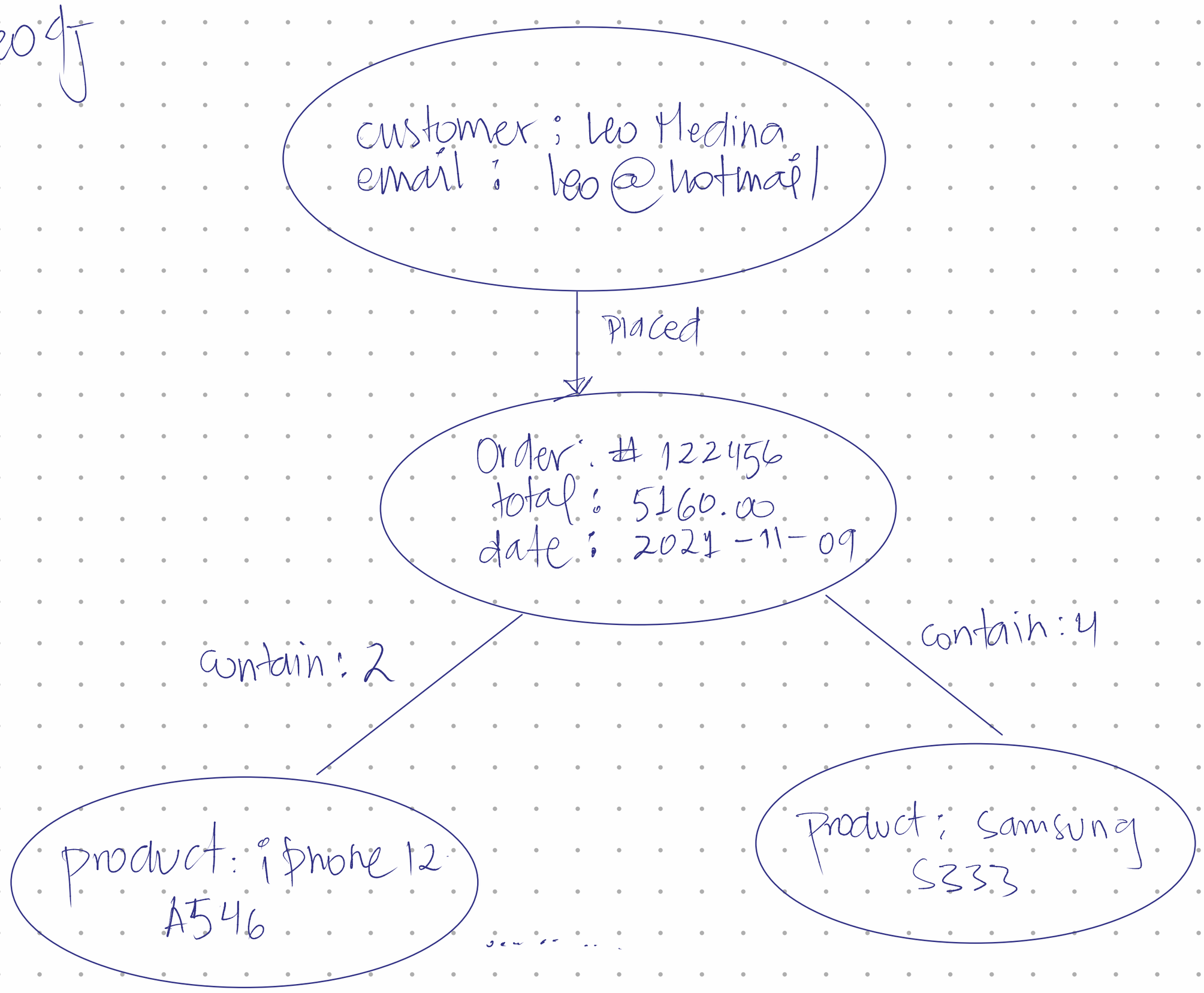
Query:

```
SELECT * FROM order_by_customer
WHERE email = "leo@gmail.com"
```

```
CREATE TABLE orders_by_customer (
    customer_email   TEXT
    order_number     INT
    order_date       DATE
    customer_name    TEXT
    customer_phone   TEXT
    total_price      DECIMAL

PRIMARY KEY (customer_email, order_number)

// Clustering Key order_number
// PK customer_email
```

```
CREATE TABLE order_items_by_customer (
    customer_email:   TEXT
    order_number:     INT
    product_number:   TEXT
    price:            DECIMAL
    quantity:         INT
    sub total:        DECIMAL
PRIMARY KEY (customer_email, order_number), product_num)

// PK (customer_email, order_number)
// clustering = product_num
```

4 neo4j


customer : Leo Medina
email : leo@hotmail
placed
Order : # 122456
total : 5160.00
date : 2021-11-09
contain : 2
contain : 4
product : iphone 12
A546
product : samsung
S333
.....