DATA MODELING

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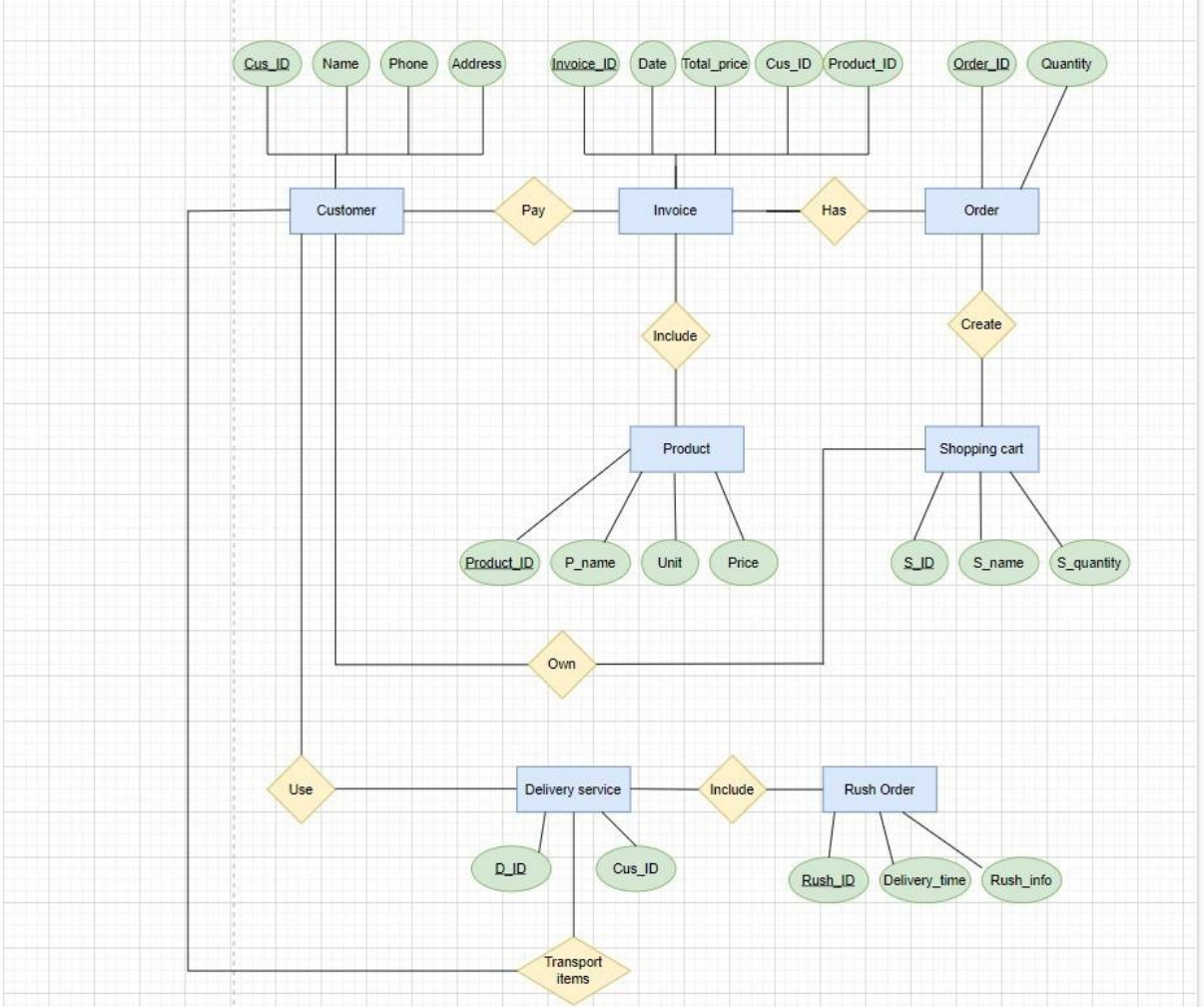
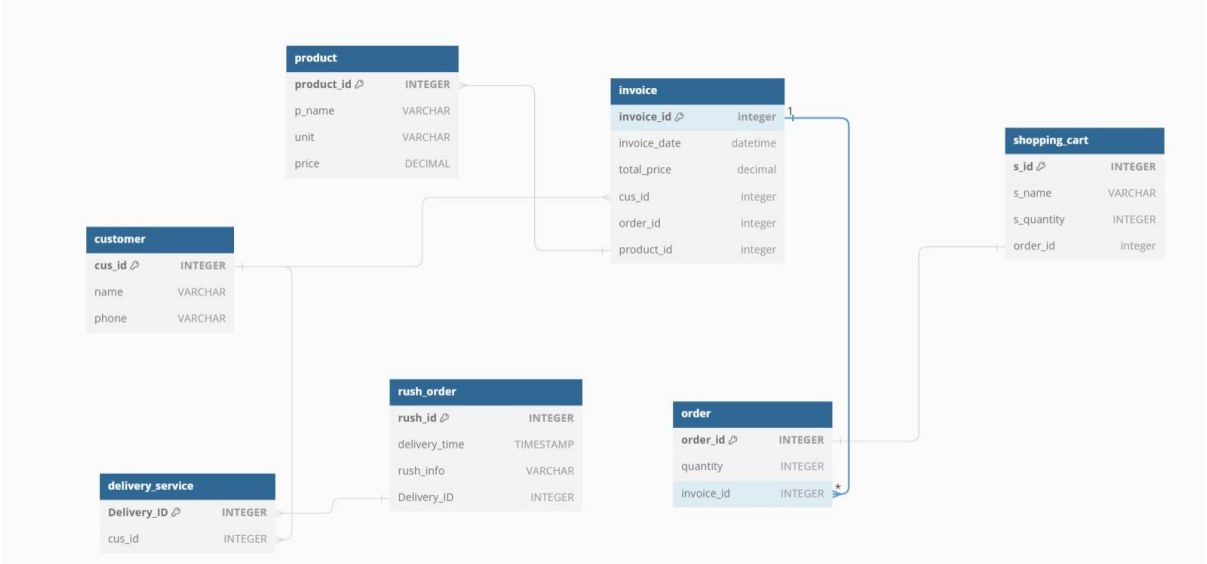
Lab09



(ERD model)



(db diagram)

-- create table

--1 .(Customer)

```
CREATE TABLE customer (
  cus_id INTEGER PRIMARY KEY,
  name VARCHAR, phone
  VARCHAR
);
```

--2 .(Invoice)

```
CREATE TABLE invoice ( Invoice_ID
  INTEGER PRIMARY KEY,
  invoice_date TIMESTAMP, total_price
  DECIMAL,
  Cus_id INTEGER,
  FOREIGN KEY (Cus_id) REFERENCES customer(cus_id)
);
```

--3 .(Order)

```
CREATE TABLE order ( order_id
  INTEGER PRIMARY KEY, quantity
  INTEGER,
  Invoice_ID INTEGER,
  FOREIGN KEY (Invoice_ID) REFERENCES invoice(Invoice_ID)
);
```

--4 .(Shopping_cart)

```
CREATE TABLE shopping_cart (
  s_id INTEGER PRIMARY KEY,
  s_name VARCHAR, s_quantity
  INTEGER,
  order_id INTEGER,
  FOREIGN KEY (order_id) REFERENCES order(order_id)
);
```

--5 .(Product)

```
CREATE TABLE product ( product_id
  INTEGER PRIMARY KEY, p_name
  VARCHAR, unit VARCHAR, price
  DECIMAL
);
```

--6 .(Delivery Service)

```
CREATE TABLE delivery_service (
  Delivery_ID INTEGER PRIMARY KEY,
  cus_ID INTEGER,
  FOREIGN KEY (cus_ID) REFERENCES customer(cus_id)
);
```

--7 .(Rush Order)

```
CREATE TABLE rush_order (
  rush_id INTEGER PRIMARY KEY,
  delivery_time TIMESTAMP,
  rush_info VARCHAR, Delivery_ID
  INTEGER,
  FOREIGN KEY (Delivery_ID) REFERENCES
  delivery_service(Delivery_ID)
);
```