

CSCI3170 Project Phase 1 Group 26

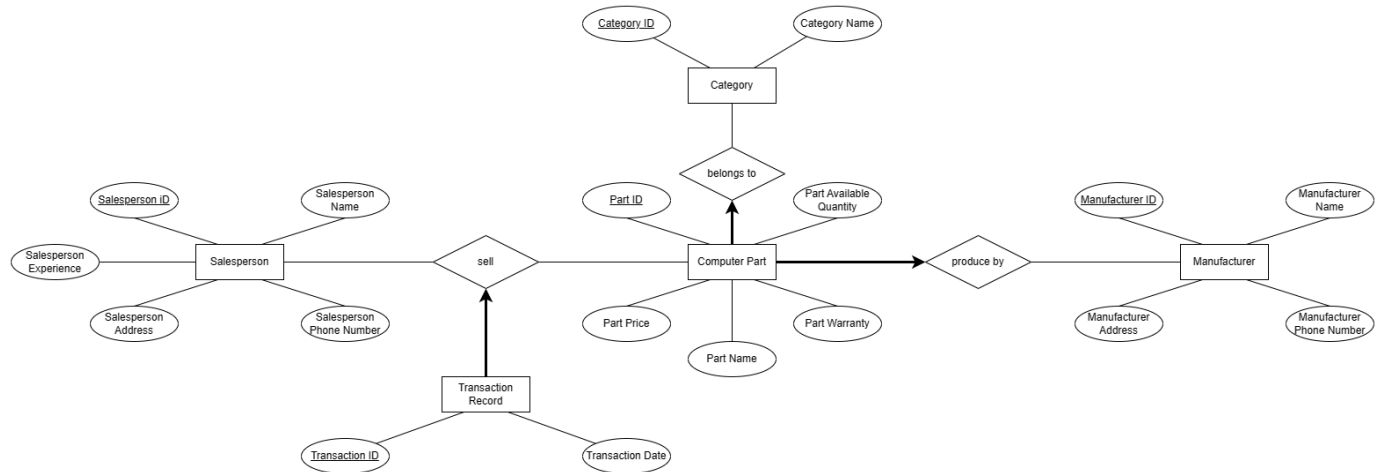
Group Information

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ER Diagram



Relational Schema

Salesperson(salesperson_id, salesperson_name, salesperson_experience, salesperson_address, salesperson_phone_number)

Transaction_Record(transaction_id, transaction_date, part_id, salesperson_id)

Computer_Part(part_id, part_price, part_available_quantity, part_name, part_warranty, part_manufacturer_id, part_category_id)

Category(category_id, category_name)

Manufacturer(manufacturer_id, manufacturer_name, manufacturer_address, manufacturer_phone_number)

SQL

```
1 CREATE TABLE Category (
2     category_id          INTEGER,
3     category_name        CHAR(20),
4     PRIMARY KEY          (category_id))
5
6 CREATE TABLE Manufacturer (
7     manufacturer_id       INTEGER,
8     manufacturer_name     CHAR(20),
9     manufacturer_address  CHAR(50),
10    manufacturer_phone_number INTEGER,
11    PRIMARY KEY           (manufacturer_id))
12
13 CREATE TABLE Part (
14     part_id              INTEGER,
15     part_name            CHAR(30),
16     part_price           INTEGER,
```

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17     part_manufacturer_id      INTEGER,
18     part_category_id         INTEGER,
19     part_warranty             INTEGER,
20     part_available_quantity   INTEGER,
21     PRIMARY KEY               (part_id),
22     FOREIGN KEY               (category_id)    REFERENCES Category,
23     FOREIGN KEY               (manufacturer_id) REFERENCES Manufacturer)
24
25 CREATE TABLE Salesperson (
26     salesperson_id            INTEGER,
27     salesperson_name          CHAR(20),
28     salesperson_address       CHAR(50),
29     salesperson_phone_number   INTEGER,
30     salesperson_experience     INTEGER,
31     PRIMARY KEY               (salesperson_id))
32
33 CREATE TABLE Transaction_Record (
34     transaction_id            INTEGER,
35     part_id                   INTEGER,
36     salesperson_id            INTEGER,
37     transaction_date          DATE,
38     PRIMARY KEY               (transaction_id),
39     FOREIGN KEY               (part_id)        REFERENCES Part,
40     FOREIGN KEY               (salesperson_id) REFERENCES Salesperson)

```