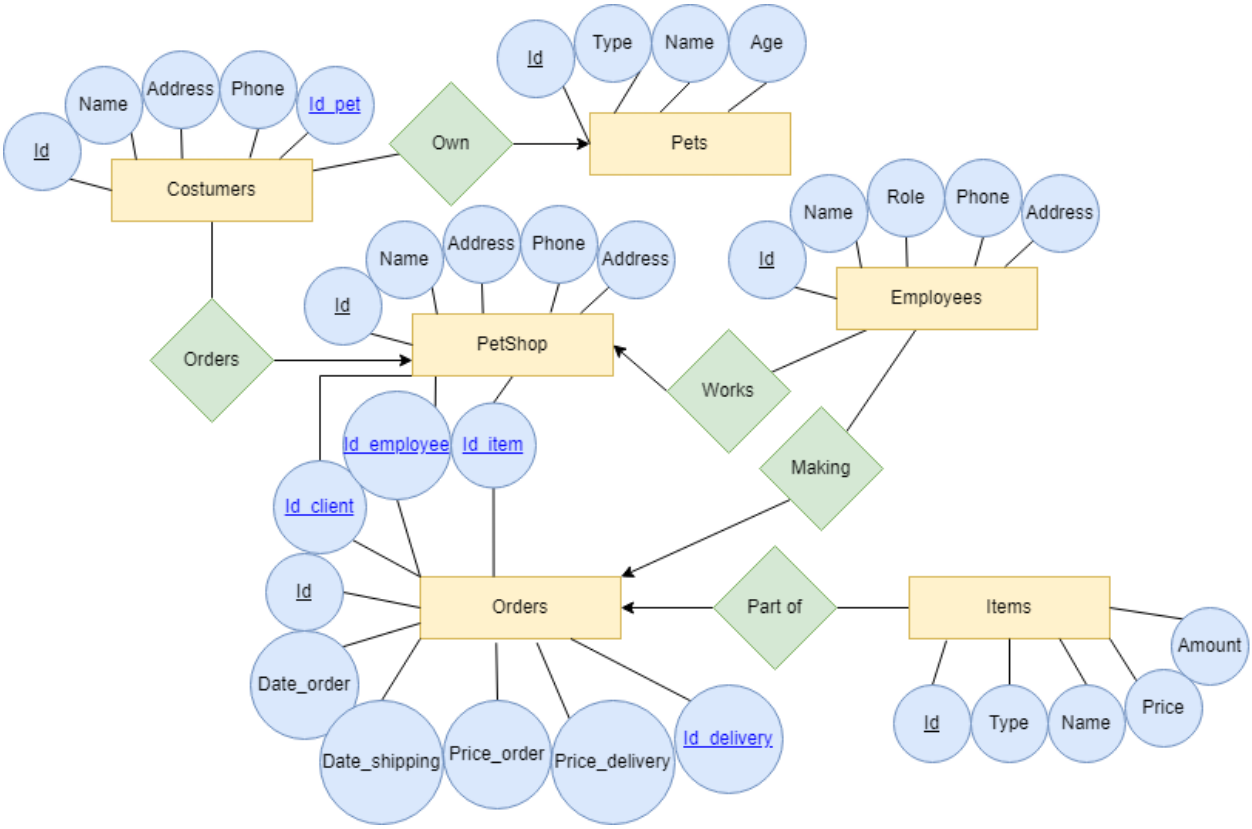
Petshop – Osnat Blau & Oren Berkovich

ERD:



Query:

1. **הצגת כל המוצרים וכמות המלאי**
   SELECT * FROM Items;
2. **הצגת כל ההזמנות ב-___ השבועות האחרונים**
   SELECT * FROM Orders
   WHERE date between date_sub(now(),INTERVAL X WEEK) and now();
3. **הצגת העובד שמכר הכי הרבה מוצרים**
   SELECT Employees.name_employee FROM Orders inner join Employees on Orders.id_employee=Employees.id_employee group by Employees.name_employee order by count(*) desc limit 1;
4. **הצגת העובד שהכניס הכי הרבה כסף**
   SELECT Employees.name_employee FROM Orders inner join Employees on Orders.id_employee=Employees.id_employee group by Employees.name_employee order by price_order desc limit 1;
5. **הצגת הזמנות פעילות והלקוח שהזמין**
   SELECT *,name_client FROM Orders
   INNER JOIN Costumers ON Orders.id_client = Costumers.id_client
   WHERE order_date >= now() ORDER BY order_date;
6. **הצגת לקוחות שלא ביצעו אף הזמנה**

```
SELECT name_client FROM Costumers
left JOIN Orders ON Orders.id_client = Costumers.id_client
where Orders.id_client is null;
```

7. **הצגת לקוחות חוזרים**
```
SELECT name_client,count(*) FROM Costumers
INNER JOIN Orders ON Orders.id_client = Costumers.id_client group by name_client
having count(*) > 1 ;
```
8. **הצגת הכנסות ___ חודשים אחורה**
```
SELECT price_order, price_delivery FROM Orders
WHERE date between date_sub(now(),INTERVAL X WEEK) and now();
```

Procedure:

1. **עדכון משלוח להזמנה – מעדכנת סיום משלוח להזמנה קיימת**
```
UPDATE Orders SET date_order = now() WHERE id_order = X and id_delivery_person =Y;
```
2. **דו"ח שיציג רשימת ___ המוצרים הנמכרים ביותר ב-___ ימים האחרונים**
```
SELECT id_item FROM Orders INNER JOIN Items ON Orders.id_item = Items.id_item
WHERE date between date_sub(now(),INTERVAL X DAY) and now()
ORDER BY count(id_item);
```
3. **מתן הנחה באחוזים – מעדכן את מחיר ההזמנה לפי גובה ההנחה שינתן באחוזים**
```
UPDATE Orders SET price_order = price_order*x() WHERE id_order = Y and x() = Y;
```

Function:

1. **לכל מוכרן כמות ההכנסות לחודש מסויים**
```
SELECT name_employee, price_order FROM Orders
INNER JOIN Employees ON Orders.id_employee = Employees.id_employee
WHERE date between date_sub(now(),INTERVAL 1 MONTH) and
date_sub(now(),INTERVAL 1 YEAR) and now() and id_employee = 1;
```

Creation of DB:

```
CREATE database PetShop3;

use PetShop3;

CREATE TABLE Items (
  id_item int NOT NULL,
  type_item varchar(60) NOT NULL,
  name_item varchar(60) NOT NULL,
  price_item int NOT NULL,
```

```
    amount_item int NOT NULL,
    PRIMARY KEY (id_item)
);

CREATE TABLE Employees (
    id_employee int NOT NULL,
    name_employee varchar(60) NOT NULL,
    role_employee varchar(60) NOT NULL,
    address_employee varchar(60) NOT NULL,
    phone_number_employee int NOT NULL,
    PRIMARY KEY (id_employee)
);

CREATE TABLE Pets (
    id_pet int NOT NULL,
    type_pet varchar(60) NOT NULL,
    name_pet varchar(60) NOT NULL,
    age_pet int NOT NULL,
    PRIMARY KEY (id_pet)
);

CREATE TABLE Costumers (
    id_client int NOT NULL,
    name_client varchar(60) NOT NULL,
    address_client varchar(60) NOT NULL,
    phone_number_client int NOT NULL,
    id_pet int,
    PRIMARY KEY (id_client),
    FOREIGN KEY (id_pet) REFERENCES Pets(id_pet)
);

CREATE TABLE Orders (
    id_order int NOT NULL,
    order_date date NOT NULL,
    date_shipping date NOT NULL,
    price_order int NOT NULL,
    price_shipping int NOT NULL,
    id_delivery_person int,
    id_client int,
    id_employee int,
    id_item int,
```

```
    PRIMARY KEY (id_order),
    FOREIGN KEY (id_delivery_person) REFERENCES Employees(id_employee),
    FOREIGN KEY (id_client) REFERENCES Costumers(id_client),
    FOREIGN KEY (id_employee) REFERENCES Employees(id_employee),
    FOREIGN KEY (id_item) REFERENCES Items(id_item)
);

CREATE TABLE PetShop (
    id_store int NOT NULL,
    name_store varchar(60) NOT NULL,
    address_store varchar(60) NOT NULL,
    phone_number_store int NOT NULL,
    id_item int,
    id_employee int,
    id_client int,
    PRIMARY KEY (id_store),
    FOREIGN KEY (id_item) REFERENCES Items(id_item),
    FOREIGN KEY (id_employee) REFERENCES Employees(id_employee),
    FOREIGN KEY (id_client) REFERENCES Costumers(id_client)
);
```