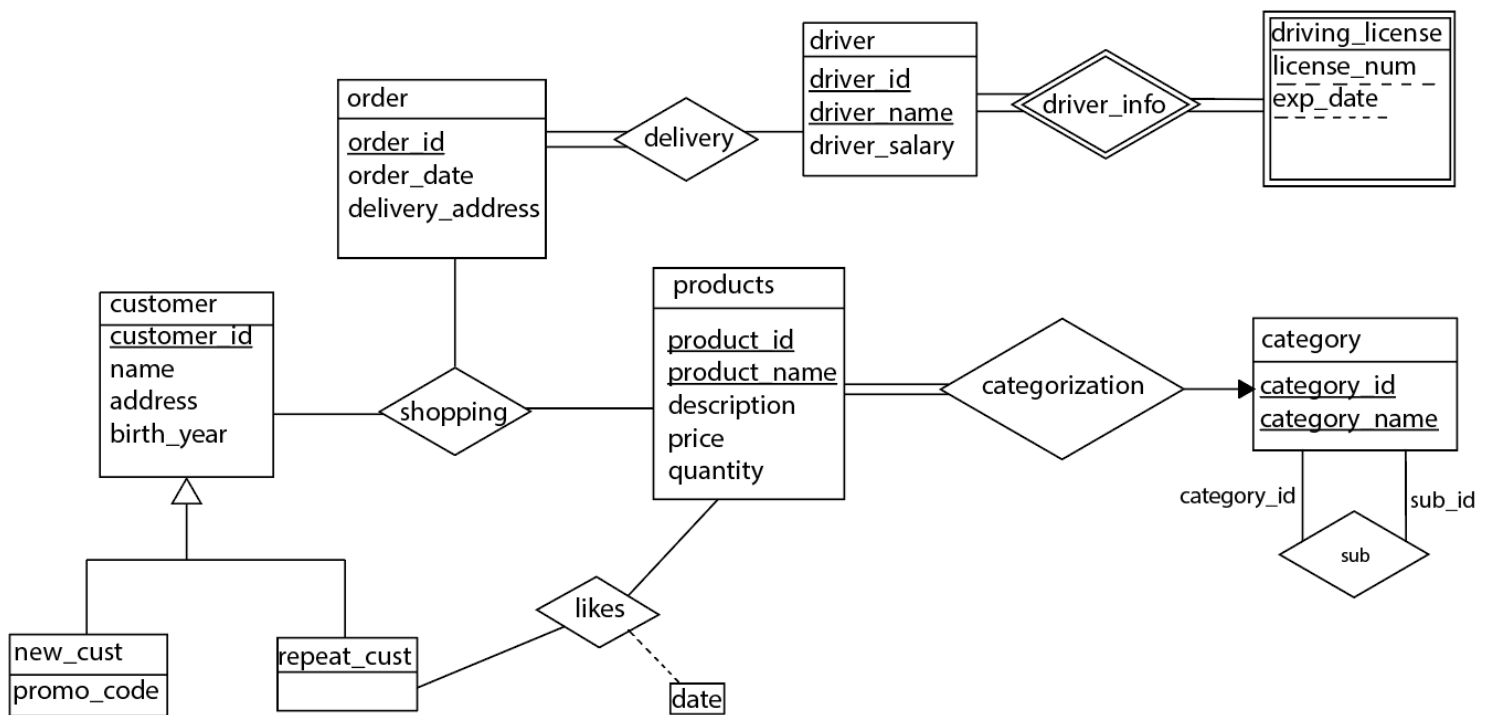Q1) ER Diagram of database system for an online pet shop:

Q2) Relational model of the ER diagram:

customer(customer_id, name, address, birth_year)

products(product_id, product_name, description, price, quantity)

order(order_id, order_date, delivery_address)

shopping(customer_id, product_id, product_name, order_id)

    FK: customer_id references customer

    FK: (product_id, product_name) references products

    FK: order_id references order

new_cust(<u>customer_id</u>, promo_code)

    FK: customer_id references customer

repeat_cust(<u>customer_id</u>)

    FK: customer_id references customer

likes(<u>product_id, product_name, customer_id,date</u>)

    FK: (product_id, product_name) references products

    FK: customer_id references repeat_cust

driver(<u>driver_id, driver_name,</u> driver_salary)

delivery(<u>driver_id, driver_name, order_id</u>)

    FK: (driver_id, driver_name) references driver

    FK: order_id references order

driving_license(<u>driver_name, license_num, exp_date</u>)

    FK: driver_name references driver

category(<u>category_id, category_name</u>)

sub(<u>category_id, sub_id</u>)

    FK: category_id references category

categorization(<u>category_id, category_name, product_id, product_name</u>)

    FK: (category_id, category_name) references category

    FK: (product_id, product_name) references products