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Objective of the project:

This project to design a database for a pharmacy (RSL Russell) is a pharmacy located in the Western Region and has 3 branches, two branches in Jeddah and a branch in Makkah.

One branch consists of four sections, divided into pediatrics, women's sections, men's sections and pharmaceuticals.
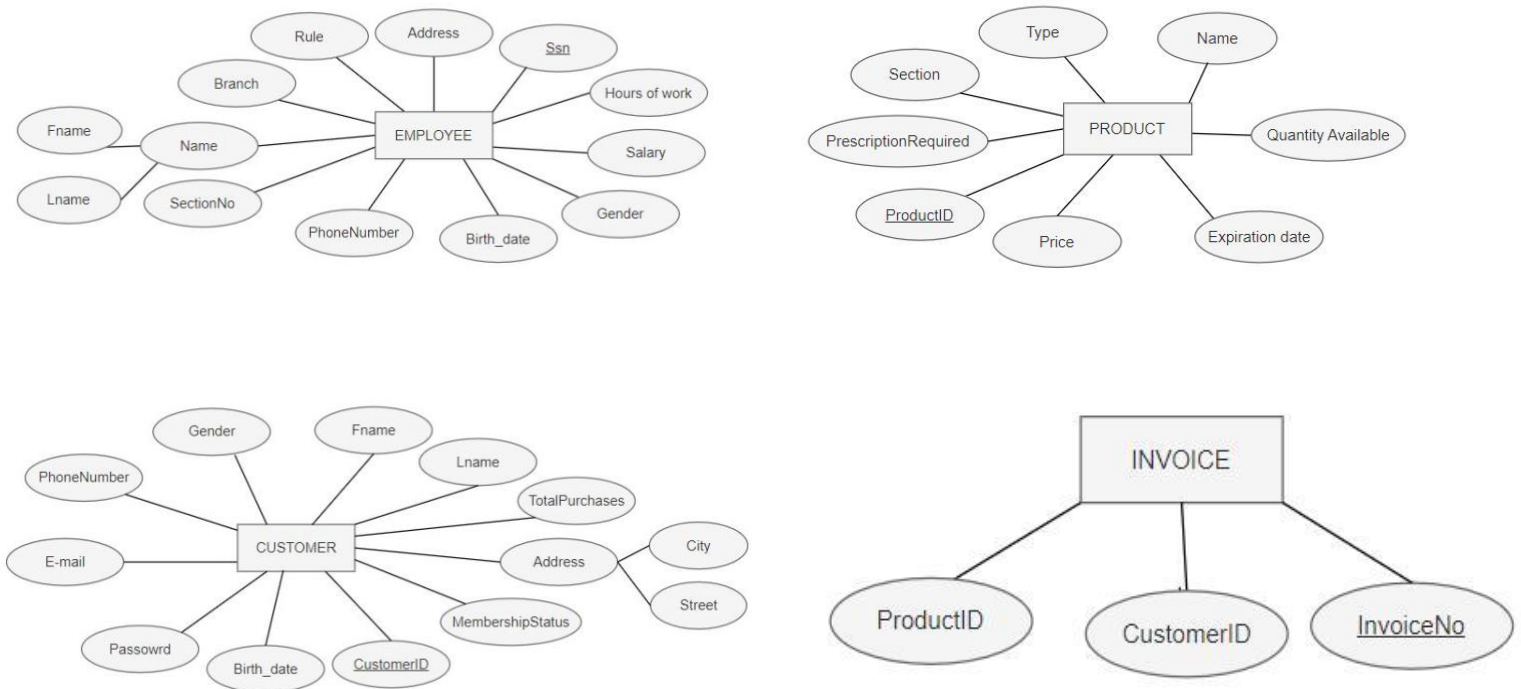
The pediatrics department specializes in all the needs of children from newborns to the age of five, the women's department meets the needs of women's health and skin care, the men's department specializes in men's health and care.

The pharmaceuticals section contains common prescription medications.
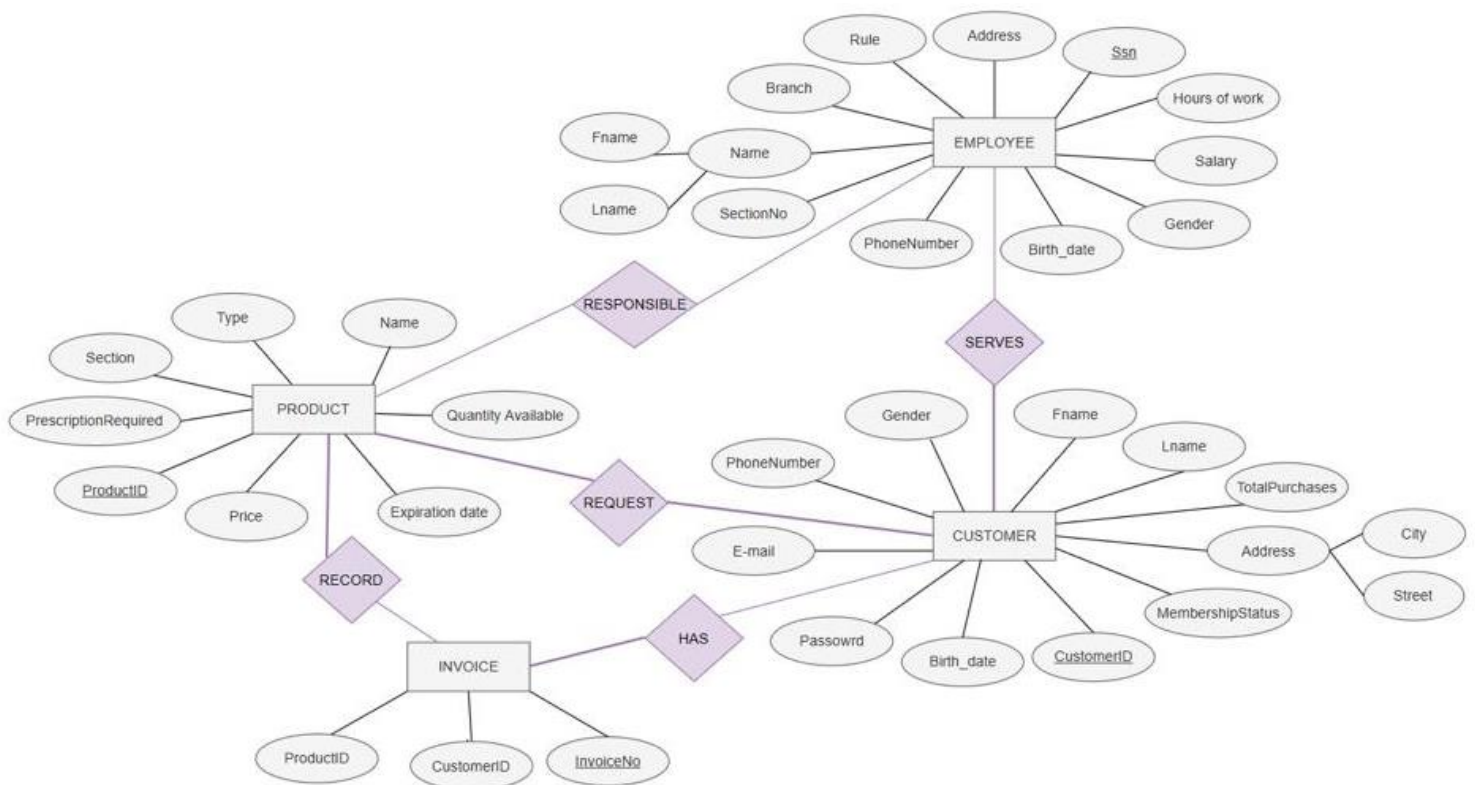
Business rules for a pharmacy:

1. Products are arranged in sections where products are defined by name, type, price, each product has a unique number to facilitate management. A record is kept containing the quantity of products available, the expiration date, and whether it requires a prescription.
2. They have a product delivery service through their website in which the username, password, address, phone number, email, gender, date of birth, membership status are recorded to score points from each purchase, and the total price of purchases.
3. Each employee works in his or her own product department, without the intervention of other employees.
4. We keep an accurate record that contains employee information including: name, social security number, address, salary, gender, date of birth, phone number, role in the branch, number of working hours, branch in which he works.

ERD:

EMPLOYEE entity attributes: Rule, Address, Ssn, Branch, Hours of work, Fname, Name, Lname, SectionNo, Salary, PhoneNumber, Gender, Birth_date

PRODUCT entity attributes: Type, Name, Section, PrescriptionRequired, Quantity Available, ProductID, Price, Expiration date

CUSTOMER entity attributes: Gender, Fname, PhoneNumber, Lname, TotalPurchases, E-mail, Address, City, Street, MembershipStatus, Passowrd, Birth_date, CustomerID

INVOICE entity attributes: ProductID, CustomerID, InvoiceNo

Table of system entities and their properties:

SCHEIMA

- **Customer** (<u>CustomerID</u>, Ssn, Fname, Lname, PhoneNumber, Berth_Date, Gendaer, City, Street, E-mail, Password, TotalPurchases, MemberShipStatus)
- **Employee**(<u>Ssn,</u> ProductID, Hours of Work, Salary, Gender, Birth_date, PhoneNumber, SectionNo, Fname, Lname, Branch, Rule, Address)
- **Product** (<u>ProductID</u>, PresciptionRequuied, Section, Type, Name, Quantity Available, Expiration date, Price)
- **Invoice** (<u>InvoiveNo</u>, ProductID, CustomerID)

MS Access:

Product

ProductID	(جديد)
PresciptionRequied	
Section	
Type	
Name	
Quantity Available	
Expiration date	
Price	

السجل: ١ ◄ بلا عامل تصفية بحث

Employee.Pr	Hours of Wc	Salary	Gender	Birth_date	Employee.Pt	SectionNo	Employee.Fr	Employee.Lr	Branch	Rule	Address

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CustomerID	Customer.Ss	TotalPurcha:	MemberShip	Customer.Ln	Customer.Fr	Gendaer	Customer.Pf	E-mail	Password	Berth_Date	City

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