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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.

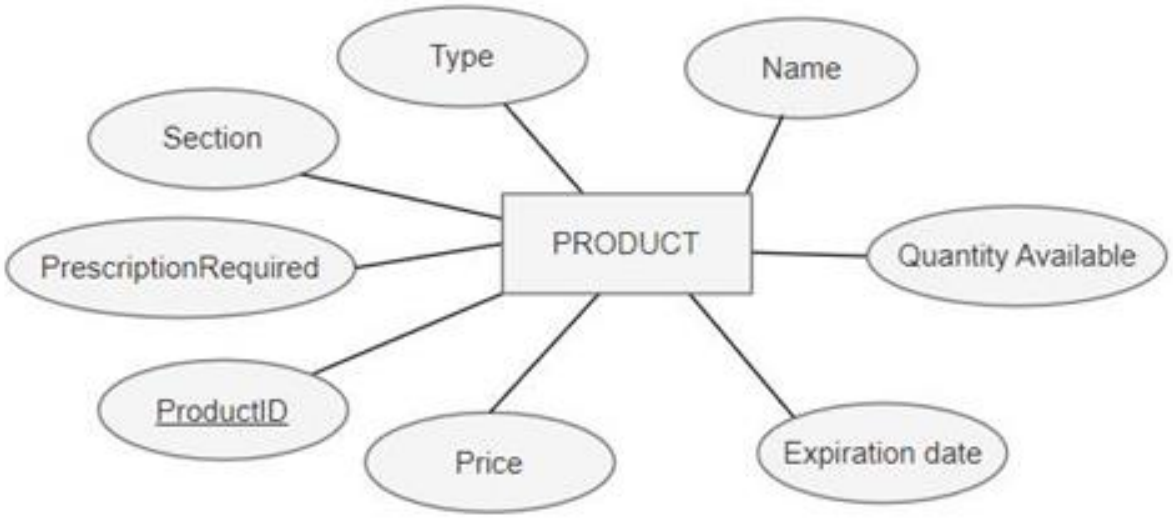
Business rules for a pharmacy:

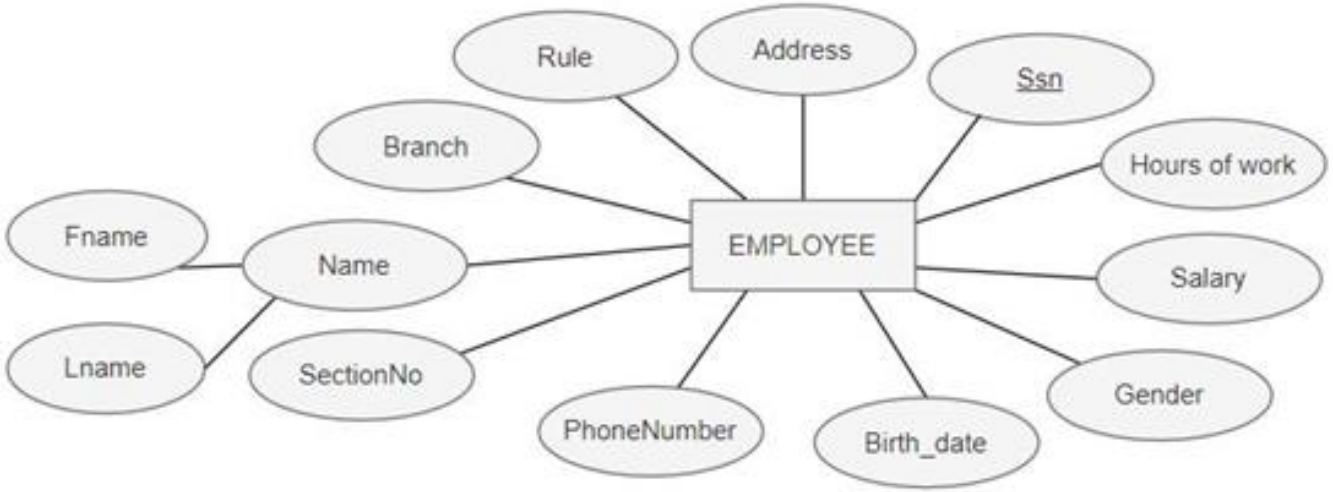
Products are arranged in sections where products are defined by name, type, price, each product has a unique number to facilitate management. A record is kept containing the quantity of products available, the expiration date, and whether it requires a prescription.

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.

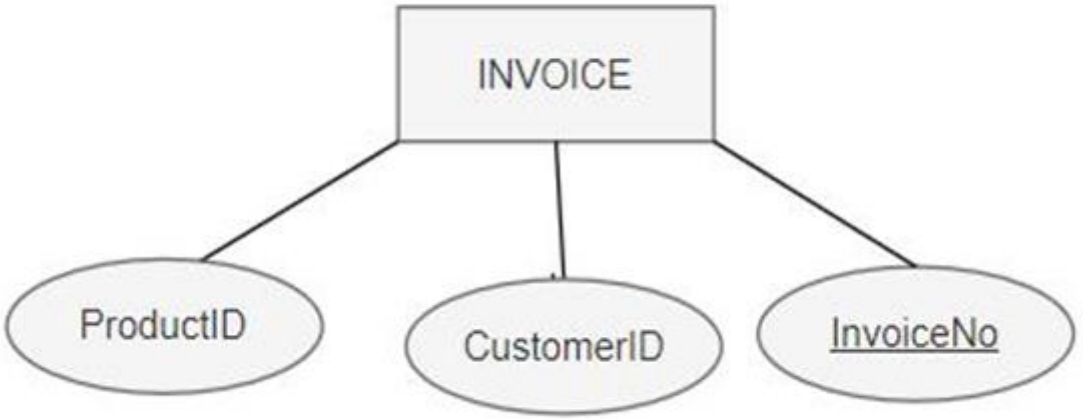
We keep an accurate record that contains employee information including: name, social security number, address, salary, gender, date of birth, phone number, role in the branch, number of working hours, branch in which he works.

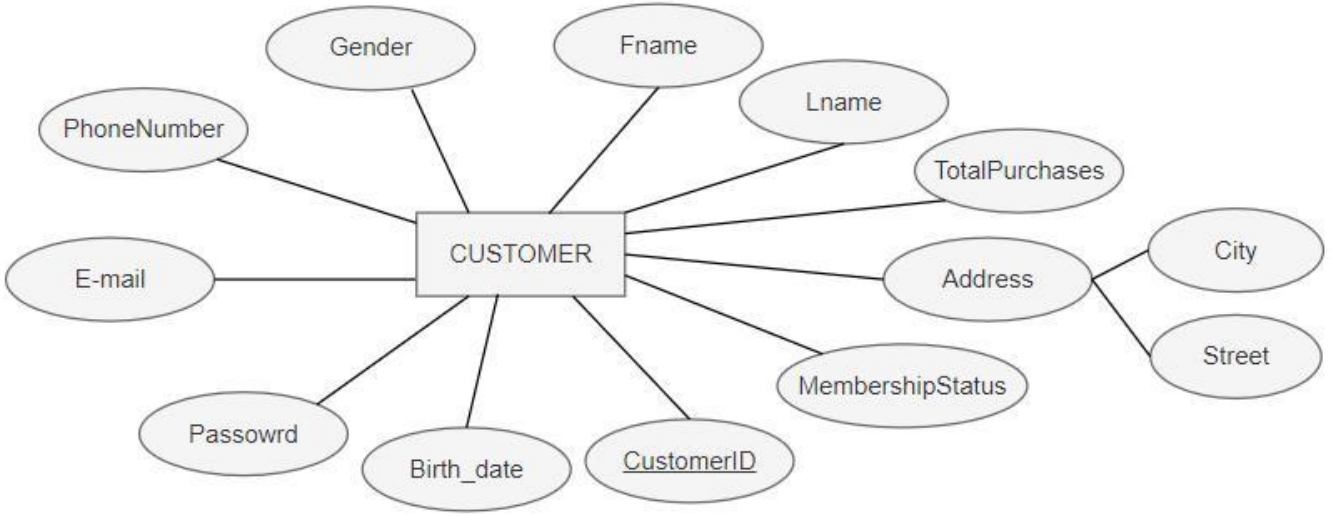
Each employee works in his or her own product department, without the intervention of other employees.


Type
Name
Section
PRODUCT
PrescriptionRequired
Quantity Available
ProductID
Price
Expiration date


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

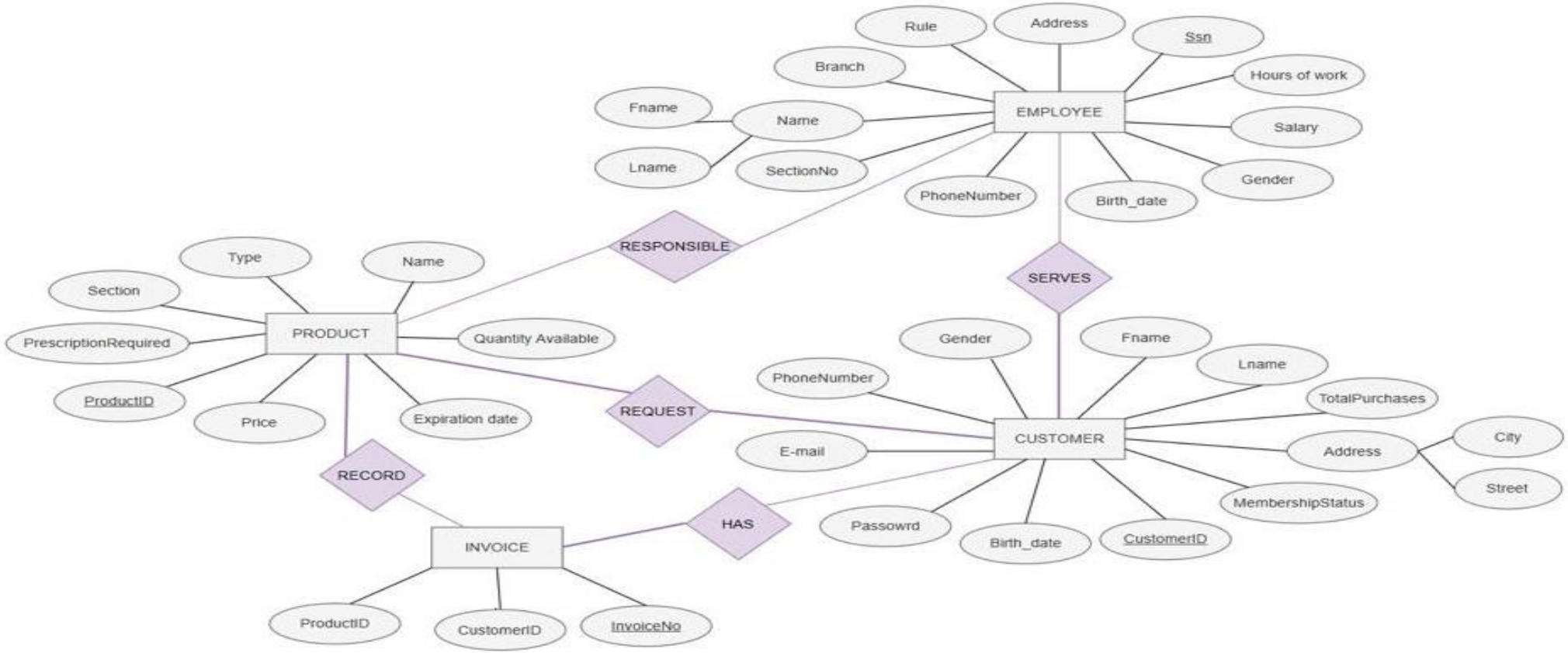
ERD:


INVOICE
ProductID
CustomerID
InvoiceNo


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

ERD:

Table of system entities and their properties:



SCHEIMA

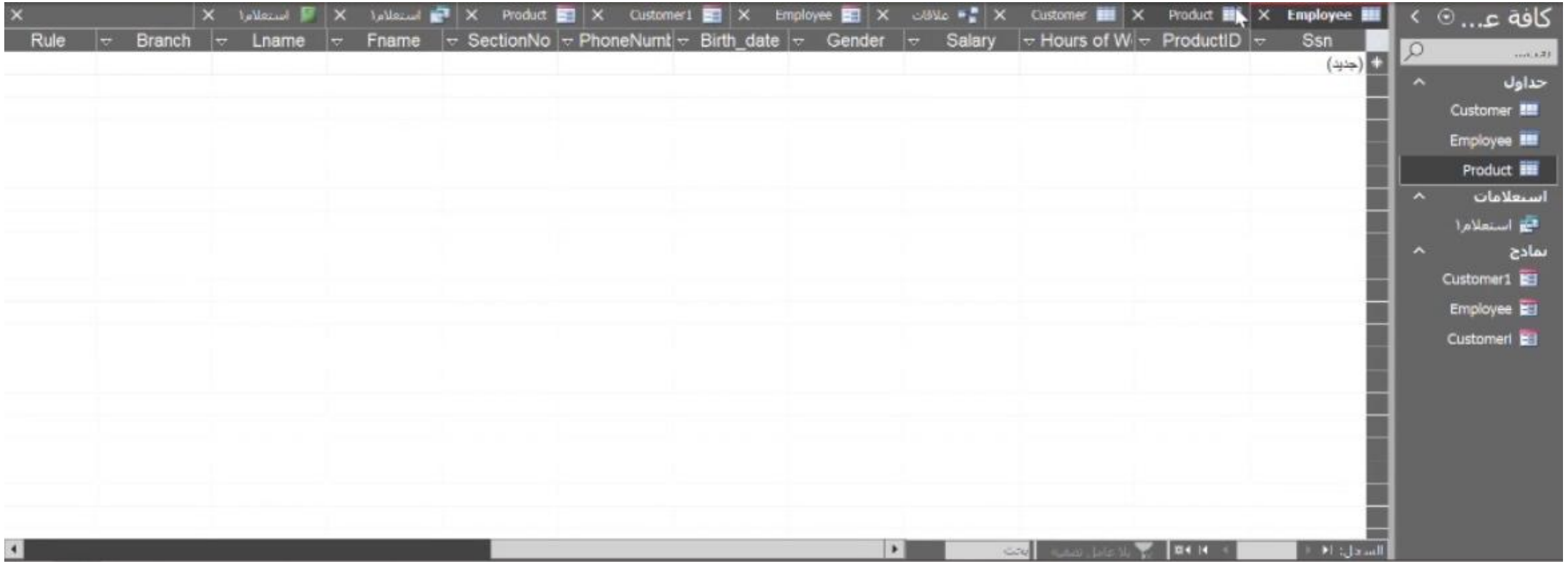
Customer (CustomerID, Ssn, Fname, Lname, PhoneNumber, Berth_Date, Gendaer, City, Street, E-mail, Password, TotalPurchases, MemberShipStatus)

Employee(Ssn, ProductID, Hours of Work, Salary, Gender, Birth_date, PhoneNumber, SectionNo, Fname, Lname, Branch, Rule, Address)

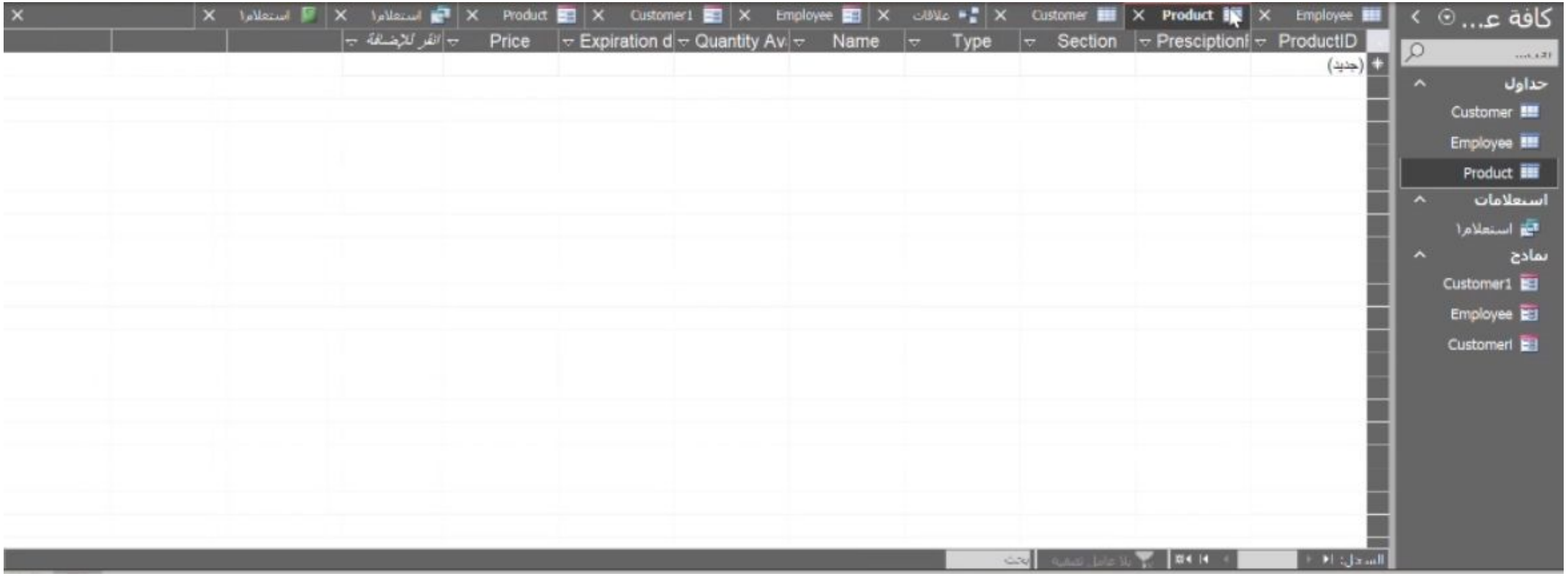
Product (ProductID, PresciptionRequuied, Section, Type, Name, Quantity Available, Expiration date, Price)

Invoice (InvoiveNo, ProductID, CustomerID)

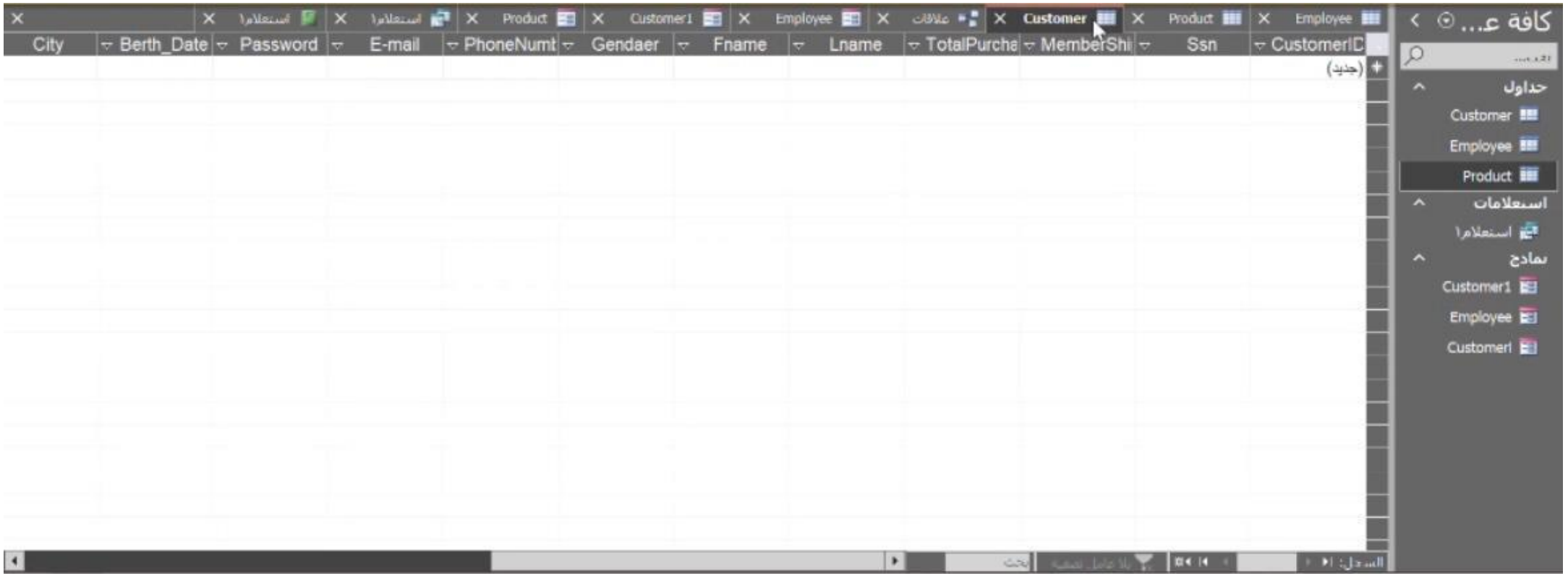
MS Access:


Product
Customer1
Employee
Customer
Product
Employee
Rule
Branch
Lname
Fname
SectionNo
PhoneNumb
Birth_date
Gender
Salary
Hours of W
ProductID
Ssn
(جديد)
كافة ع...
جداول
Customer
Employee
Product
استعلامات
نماذج
Customer1
Employee
Customer1

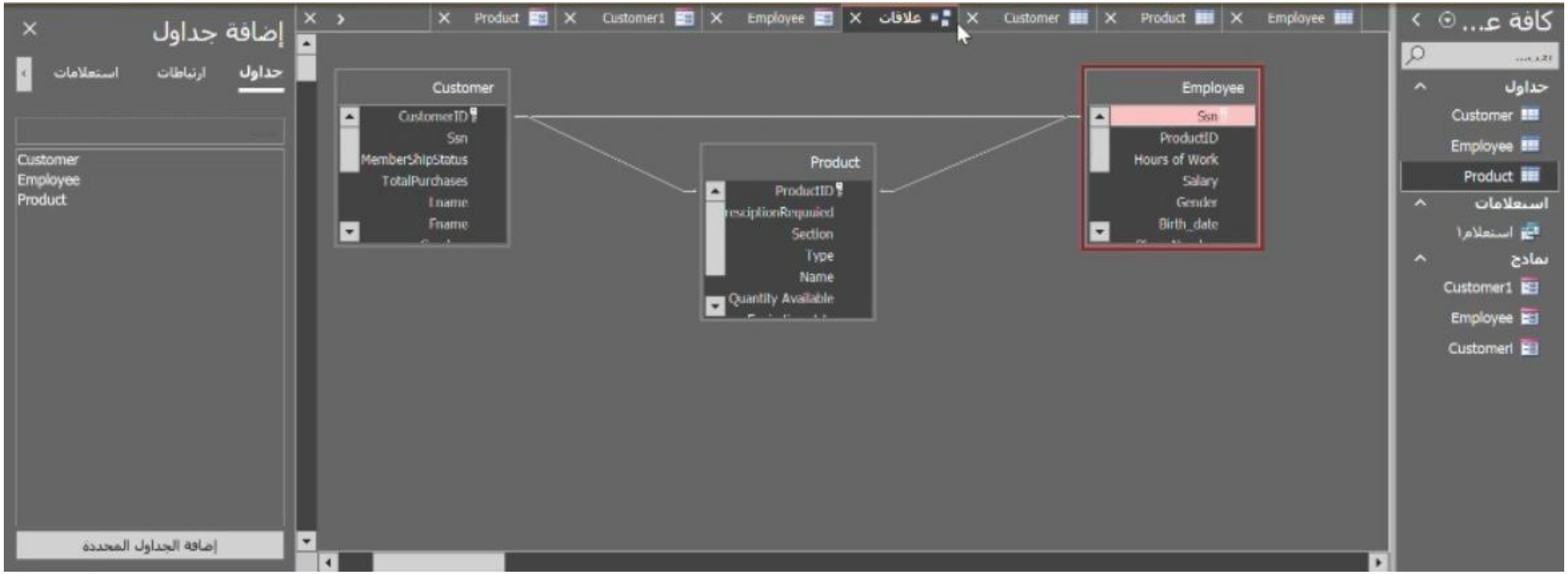
MS Access:


Product
Customer1
Employee
Customer
Product
Employee
Price
Expiration d
Quantity Av
Name
Type
Section
Presciption
ProductID
(جديد)
كافة ع...
جداول
Customer
Employee
Product
استعلامات
نماذج
Customer1
Employee
Customer

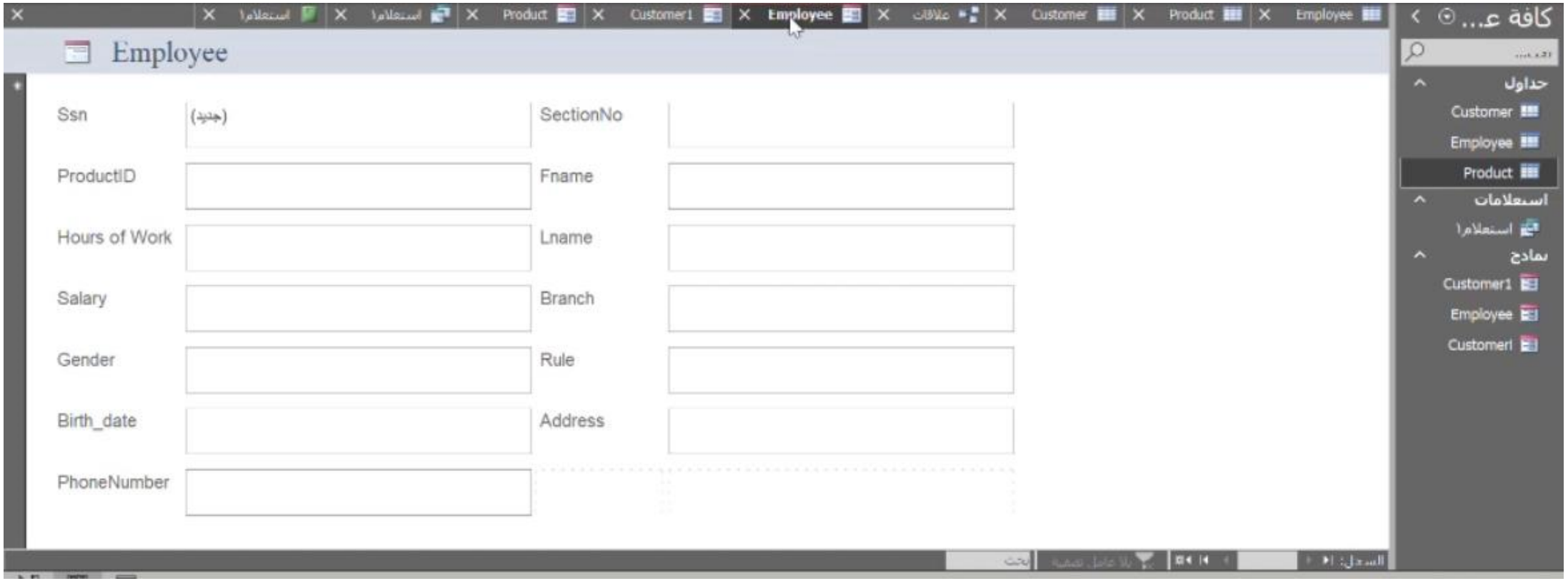
MS Access:


Product
Customer1
Employee
Customer
Product
Employee
City
Berth_Date
Password
E-mail
PhoneNumt
Gendaer
Fname
Lname
TotalPurcha
MemberShi
Ssn
CustomerID
(جديد)
جداول
Customer
Employee
Product
استعلامات
نماذج
Customer1
Employee
Customer

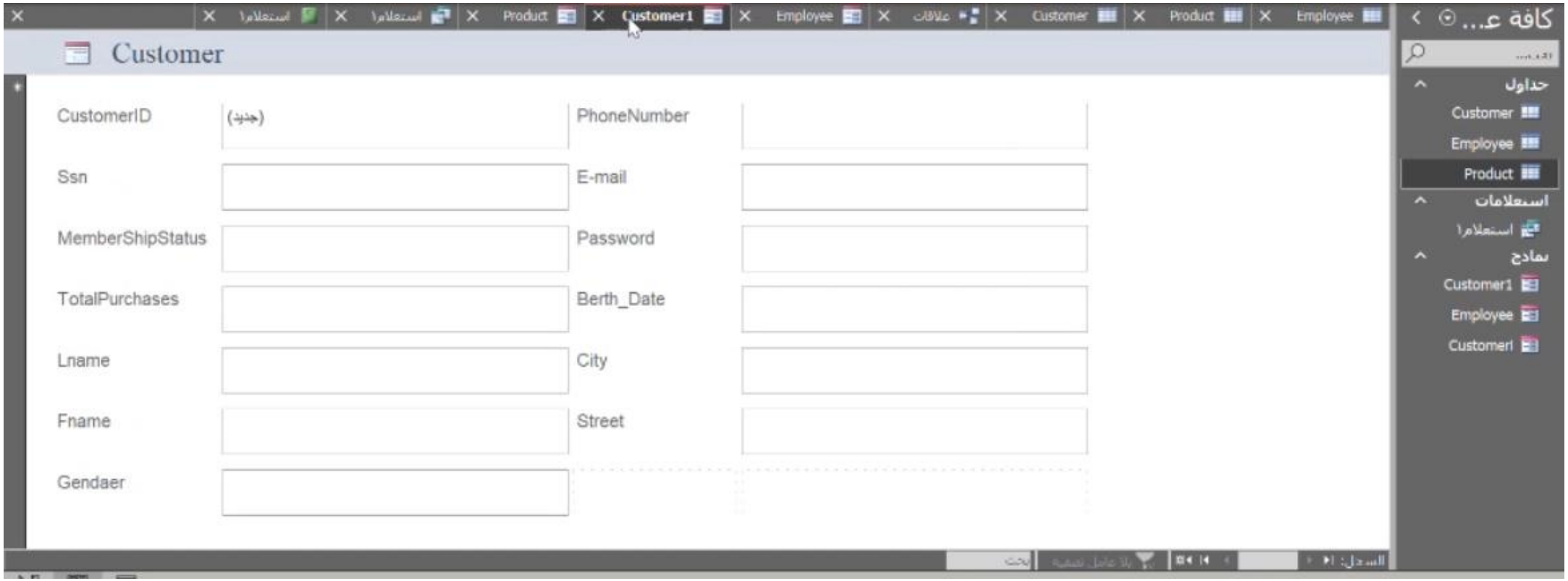
MS Access:


إضافة جداول
جداول
ارتباطات
استعلامات
Customer
Employee
Product
إضافة الجداول المحددة
Product
Customer1
Employee
علاقات
Customer
Product
Employee
Customer
CustomerID
Ssn
MemberShipStatus
TotalPurchases
Lname
Fname
Product
ProductID
Section
Type
Name
Quantity Available
Employee
Ssn
ProductID
Hours of Work
Salary
Gender
Birth_date
كافة ع...
جداول
Customer
Employee
Product
استعلامات
نماذج
Customer1
Employee
Customer

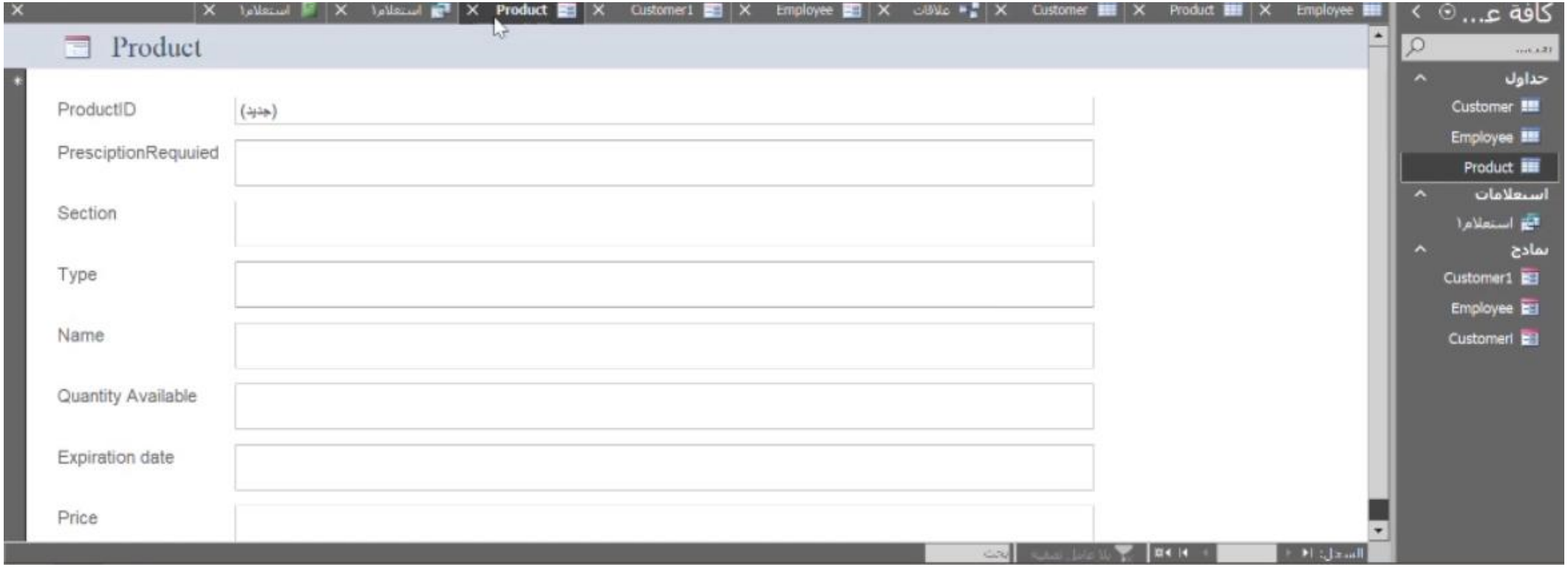
MS Access:


Employee
Ssn
(جديد)
SectionNo
ProductID
Fname
Hours of Work
Lname
Salary
Branch
Gender
Rule
Birth_date
Address
PhoneNumber
Customer
Employee
Product
Customer1
Employee
Customer1

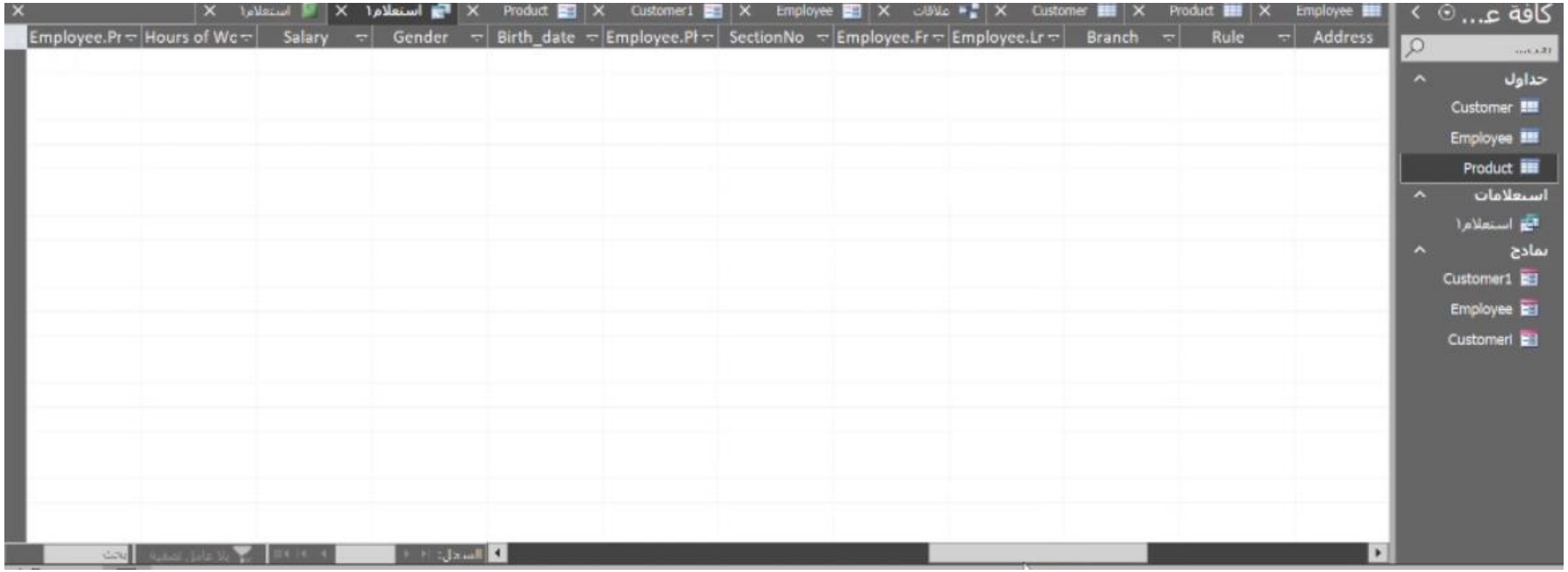
MS Access:


Product
Customer1
Employee
Customer
Product
Employee
Customer
CustomerID
(جديد)
Ssn
MemberShipStatus
TotalPurchases
Lname
Fname
Gendaer
PhoneNumber
E-mail
Password
Berth_Date
City
Street
جداول
Customer
Employee
Product
استعلامات
نماذج
Customer1
Employee
Customer1

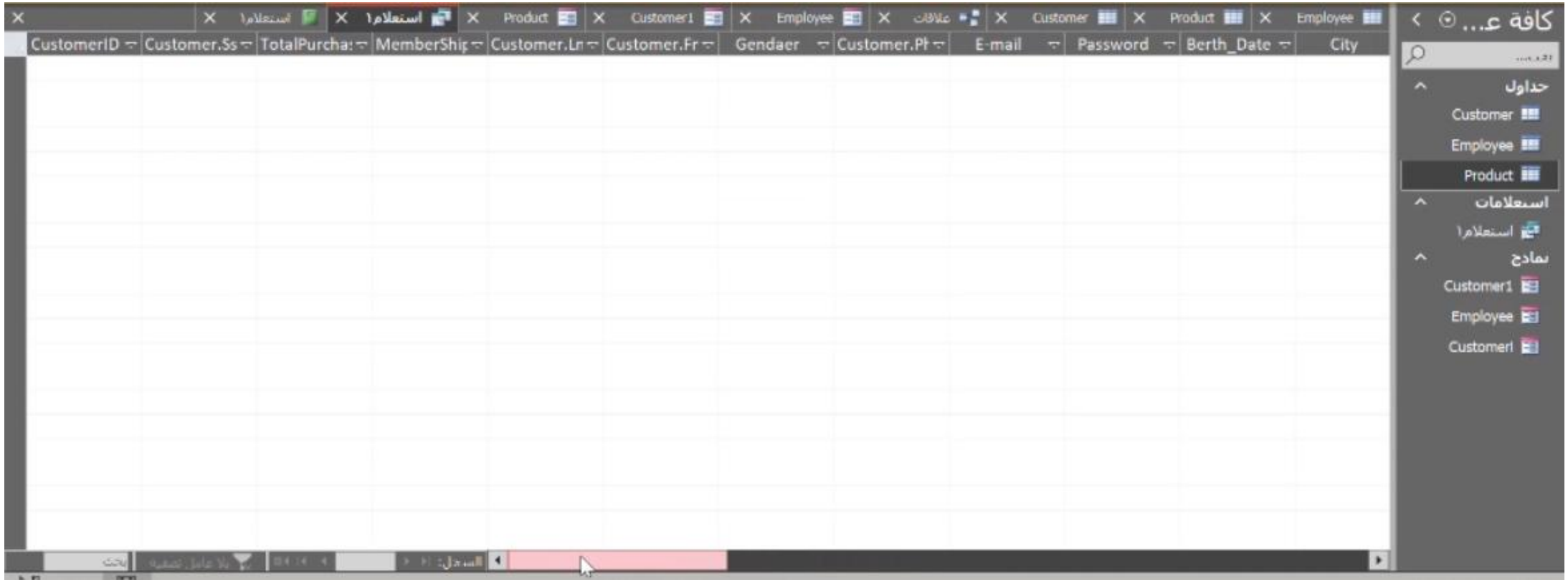
MS Access:


Product
Customer1
Employee
Product
Employee
Product
ProductID
(جديد)
PresciptionRequuied
Section
Type
Name
Quantity Available
Expiration date
Price
جداول
Customer
Employee
Product
استعلامات
نماذج
Customer1
Employee
Customer1

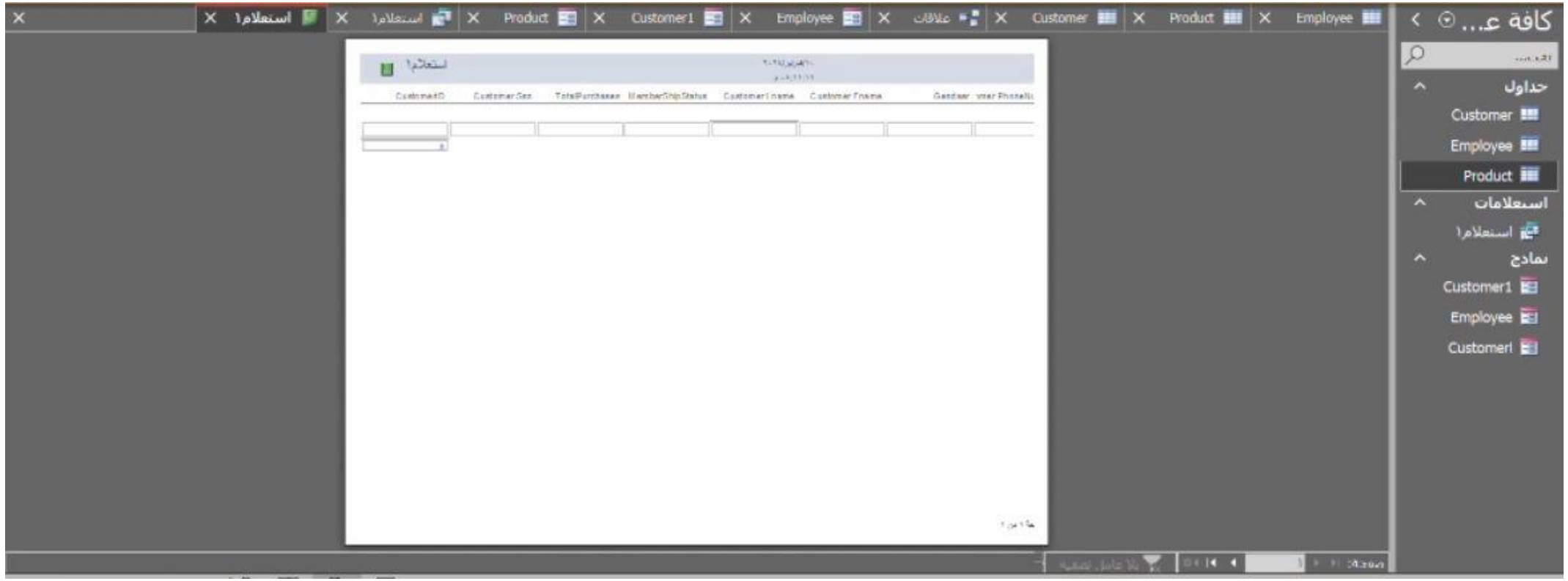
MS Access:


Employee.Pr
Hours of Wc
Salary
Gender
Birth_date
Employee.Pł
SectionNo
Employee.Fr
Employee.Lr
Branch
Rule
Address
Product
Customer1
Employee
Customer
Product
Employee
جداول
Customer
Employee
Product
استعلامات
نماذج
Customer1
Employee
Customer1

MS Access:


CustomerID
Customer.Ss
TotalPurcha:
MemberShip
Customer.Ln
Customer.Fr
Gendaer
Customer.Ph
E-mail
Password
Berth_Date
City
Product
Customer1
Employee
Customer
Product
Employee
Customer
Employee
Product
Customer1
Employee
Customer1

MS Access:



استعلام١
استعلام١
Product
Customer1
Employee
علاقات
Customer
Product
Employee
كافة ع...
جداول
Customer
Employee
Product
استعلامات
استعلام١
نماذج
Customer1
Employee
Customer1