Relational Mapping

1. Entity

Employee(SSN, phone, email, salary, fname, lname, market\_id, hours\_ numbers\_Daily

Market\_id is FK refers to Market.

Main\_Location(id, location, employee\_numbers, manage\_numbers, main\_storage\_size, main\_storage\_vehicles, main\_storage\_min\_size,

Product\_Info(barkod\_no, name, price, weight, brand, shelf\_section, main\_location\_id

Main\_location\_id is FK refers to Main\_Location.

1. Weak Entity

Market(market\_id, main\_location\_id, location, employee\_numbers, income, expense, local\_storage\_section, local\_storage\_vehicles, local\_storage\_size

Main\_location\_id is FK refers to Main\_Location.

Product\_Inventory(expiration\_date, product\_info\_barkod, production\_date, product\_number

Product\_info\_barkod is FK refers to Product\_Info.

1. 1:1
2. 1:N
3. N:M

Sell/Store\_Product\_Inventory(market\_id, product\_inventory\_date)

Market\_id is FK refers to Market.

Product\_inventory\_date is FK refers to Product\_Inventory.

1. Phone(Ephone\_number,ESSN)

ESSN is FK refers to Employee.

1. N- Arry
2. Manager(SSN,meeting\_numbers)

SSN is FK refers to Employee.

Assistan\_manager(SSN,signed\_document\_numbers)

SSN is FK refers to Employee.

Cashier(SSN, sold\_product\_numbers)

SSN is FK refers to Employee.

Rayon(SSN, arranged\_shelves\_numbers)

SSN is FK refers to Employee.

Baker(SSN, baked\_breads\_numbers)

SSN is FK refers to Employee.

Greengrocer(SSN, sorted\_vegetablesfruits\_rotten\_numbers)

SSN is FK refers to Employee.

Delicatessen(SSN, sold\_meat\_kgs)

SSN is FK refers to Employee.

Local\_Storage(id, employee\_numbers, storage\_section)

Id is FK refers to Main\_Storage.

1. Union