Entity-Relationship Diagram

RESTAURANT — attributes: phone, email, Branch, Branch name, Address (street name, zipcode)

MENU — attributes: Itemid, Price, Item name, Type

EMPLOYEE — attributes: Eid, name, Address, Branchid, Salary, Gender, role, SSN, Experience, phone

Receipt — attributes: Item quantity, Total cost, Orderid, ordered date, payment type, Itemid

Customer — attributes: Turn Around time, Age, Customerid, Orderid, Rating, Branchid, itemid, mistakes Yes/No, Incharge, Chef

Relationships:
- RESTAURANT (1,N) — **works in/has** (1,1) — EMPLOYEE
- RESTAURANT — **has a** (4,M) ... (1,N) — MENU
- EMPLOYEE (1,M) — **serves** (1,1)
- Receipt (1,1) — **Gets A** (1,N)
- MENU (1,N) ... **Orders from** (1,N) / (1,M)

* Restaurant has three ^Branches

* Every Restaurant has atleast one Employee, atmost can be N

* Every Employee atleast can work in one Restaurant and atmost in one only

* customer get served by atleast one and atmost by one Employee only

* Every Employee serves atleast one customer atmost M customers

* In Every Branch atleast 4 $item_i$ which are necessary and atmost M items

* ~~Every~~ Menu item atleast served in one branch atmost M branches

* Every customer atleast one receipt atmost N receipt

* Every receipt atleast given to one customer atmost one customer only

* In Receipt there will be atleast one item and atmost NM items

* Each Menu item will be ordered atleast in one Receipt and atmost N Receipts.

* Every Branch has multiple phone Numbers