Mehmet Can Ozmen

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| **Entity** | **Attributes** |
| Employee | empSSN, empFirstName, empLastName empCustSex, empBIRTHDATE |
| EmpAddress | empSSN, empStreet, empCity, empState, empZip |
| EmpPhone | empSSN, empHPhone, empCPhone |
| EmpJob | empSSN, empDep, empPos, empStart, empEnd, empSalary, empType |
| Customer | custNo, birthDate, firstName, lastName, custCustSex, custAddrecustSSNo |
| CustAddress | custAddrecustSSNo, custStreet, custCity, custState, custZip |
| CustPhone | custNo, homePhone, cellPhone |  |  |
| SalesCustomer | CustomerCUSTSSN, CustomerFirstName, CustomerLastName |  |  |
| Sales | CustomerCUSTSSN, custNo, itemNo, salesName, salesQuantity, salesPrice, salesStatus, salesDate |  |  |
| Stock | custNo, CustomerCUSTSSN, itemNo, itemName, itemSize, itemColor,  itemPkg, itemCustSex |  |  |
| Consultant | consFirstName, consLastName, consCustSex, consNo |  |  |
| ConsAddress | consNo, consStreet, consCity, consState, consZip |  |  |
| ConsPhone | consNo, consHPhone, consCPhone |  |  |
| ConsCompany | consNo, consCompany, consAreaExp, consDep |  |  |
| Schedule | scheduleNo, empSSN, scheduleDate, scheduleIn, scheduleOut, punchIn, punchOut |  |  |
| ScheduleTask | scheduleNo, taskDetail, taskDetail |  |  |
| Supplier | supName, supAddress, supPhone |  |  |
| SupAddress | supName, supStreet, supCity, supState, supZip |  |  |
| Purchase | supName, purchDate, purchNo, purchQuantity, purchCost, purchItemNo |  |  |
| Item | purchNo, purchItemNo, itemName, itemColor, itemSize, itemCustSex, itemPkg |  |  |

**Relationships**

* Unary relationships:
  + “Supervises” (between *Employee* and *Employee*)
  + “Tasks” (between Employee and Employee)
* Binary relationships:
  + “LivesAt” (between Employee and EmpAddress)
  + “Uses” (between Employee and EmpPhone)
  + “WorksAt” (between EmpJob)
  + “LivesAt” (between Customer and CustAddress)
  + “Uses” (between Customer and CustPhone)
  + “WorksAt” (between Consultant and Company)
  + “LivesAt” (between Consultant and consAddress)
  + “Uses” (between Consultant and consPhone)
  + “Consults” (between Consultant and ConsAreaExp)
  + “LivesAt” (between Supplier and SupAddress)
* Ternary relationships:
  + “Item” (among Sales, SalesCustomer, Customer)
  + “Item” (among Supplier, Purchase)
  + “Task” (among Employee, Schedule)

Address (adID, adStreet, adCity, adState, adZip)

Consultant (conNo, consCompany, consAreaExp, consDep) Represents Consults

Foreign key: consDep references ConsDep.consDep

Foreign key: custNo references Customer.custNo

ConsDep (consDepID, consDepName, managerID) Represents Manages

Foreign key: managerID references Customer.custNo

EmpJob (empSSN, empStart, empEnd, salary, empType, consDepID, custNo, posID, sprID)

Foreign key: consDepID references ConsDep.consDepID Represents HiredFor

Foreign key: custNo references Customer.custNo Represents HiredFor

Foreign key: posID references Position.posID Represents HiredFor

Foreign key: sprID references Customer.custNo Represents Supervises

Customer (custNo, firstName, lastName, custSex, birthDate, custSSN, custNo)

Phone (CustPhone, custNo , PhoneID) Represents Provides

Foreign key: custNo references Customer.custNo

Foreign key: PhoneID references Phone.PhoneID

Phone (PhoneID, phoneNo, phoneType)

Position (posID, posTitle)

SalePurchase (purchNo, purchDate, purchNo, purchCost, custNo, purchItemNo, itemID) Represents Sells

Foreign key: custNo references Customer.custNo

Foreign key: purchItemNo references Customer.pD

Foreign key: itemID references Stock.itemID

Schedule (scheduleNo, scheduleDate, scheduleIn, scheduleOut, punchIn, punchOut, empSSN) Represents Assigned

Foreign key: empSSN references Employee.empSSN

ScheduleTask (stNo, scheduleNo, taskDetail) Represents IsScheduled

Foreign key: scheduleNo references Schedule.scheduleNo

Foreign key: taskDetail references Task.taskDetail

Stock (itemNo, itemName, itemSize, itemColor, itemCustSex, purchDate, purchNo, purchItemNo, purchCost, supName) Represents Supplies

Foreign key: supName references Supplier.supName Represents Supplies

Supplier (supName, supName, adID, PhoneID)

Foreign key: adID references Address.adID Represents LivesAt

Foreign key: PhoneID references Phone.PhoneID Represents Uses

Task (taskName, taskDetail)