Person

Person(PersonalID, FirstName, LastName, Age, Gender, AddressLine1, AddressLine2, City, State, ZipCode)

- PersonalID is the **PK**

- Stores shared person attributes for all roles

PhoneNumber

PhoneNumber(PersonalID, PhoneNumber)

- Composite **PK**: (PersonalID, PhoneNumber)

- PersonalID is **FK → Person**

- Handles multi-valued attribute (one person, many phone numbers)

Employee

Employee(PersonalID, Rank, Title, SupervisorID)

- PersonalID is **PK, FK → Person**

- SupervisorID is **FK → Employee.PersonalID**

- Captures recursive 1:N supervisory relationship

Customer

Customer(PersonalID, PreferredSalesRepID)

- PersonalID is **PK, FK → Person**

- PreferredSalesRepID is **FK → Employee**

PotentialEmployee

PotentialEmployee(PersonalID)

- PersonalID is **PK, FK → Person**

Department

Department(DepartmentID, DepartmentName)

- DepartmentID is **PK**

DepartmentAssignment

DepartmentAssignment(EmpID, DepartmentID, StartDate, EndDate)

- Composite **PK**: (EmpID, DepartmentID, StartDate)

- EmpID is **FK → Employee**

- DepartmentID is **FK → Department**

JobPosition

JobPosition(JobID, JobDescription, PostedDate, DepartmentID)

- JobID is **PK**

- DepartmentID is **FK → Department**

Application

Application(ApplicationID, PersonalID, JobID)

- ApplicationID is **PK**

- PersonalID is **FK → Person**

- JobID is **FK → JobPosition**

Interview

Interview(InterviewID, InterviewTime, Grade, JobID, IntervieweeID, InterviewerID)

- InterviewID is **PK**

- JobID is **FK → JobPosition**

- IntervieweeID is **FK → Person**

- InterviewerID is **FK → Employee**

Product

Product(ProductID, ProductType, Size, ListPrice, Weight, Style)

- ProductID is **PK**

Part

Part(PartID, PartName, Weight)

- PartID is **PK**

ProductPart

ProductPart(ProductID, PartID, QuantityUsed)

- Composite **PK**: (ProductID, PartID)
- ProductID is **FK → Product**
- PartID is **FK → Part**

Vendor

Vendor(VendorID, VendorName, AddressLine1, AddressLine2, City, State, ZipCode, AccountNumber, CreditRating, WebServiceURL)

- VendorID is **PK**

VendorPart

VendorPart(VendorID, PartID, Price)

- Composite **PK**: (VendorID, PartID)

- VendorID is **FK** → **Vendor**

- PartID is **FK** → **Part**

MarketingSite

MarketingSite(SiteID, SiteName, SiteLocation)

- SiteID is **PK**

SiteAssignment

SiteAssignment(SiteID, PersonalID)

- Composite **PK**: (SiteID, PersonalID)

- SiteID is **FK** → **MarketingSite**

- PersonalID is **FK** → **Person**

Sale

Sale(SaleID, SaleTime, ProductID, CustomerID, SalesmanID, SiteID)

- SaleID is **PK**

- `ProductID` is **FK** → **Product**

- `CustomerID` is **FK** → **Customer**

- `SalesmanID` is **FK** → **Employee**

- `SiteID` is **FK** → **MarketingSite**

SalaryTransaction

SalaryTransaction(`TransactionNumber`, `EmpID`, PayDate, Amount)

- Composite **PK**: (`TransactionNumber`, `EmpID`)

- `EmpID` is **FK** → **Employee**