

Functional Dependencies

Blood Donor (BloodID, BloodType, FirstName, LastName, DOB, sex, dateOfdonation, address, phone)

FDs: BloodID \rightarrow FirstName, LastName, DOB, sex, dateOfdonation, address, phone

Recipient (ReceiptientID, FirstName, LastName, DOB, sex, BloodType, DateOfReq)

FDs: ReceiptientID \rightarrow FirstName, LastName, DOB, sex, BloodType, DateOfReq

Blood (BloodBagNo, Hemoglobin content, BloodAmount, BloodType, Cost)

FDs: BloodBagNo \rightarrow BloodBagNo, Hemoglobin content, BloodAmount, BloodType, Cost

Blood Inventory (BloodNo, BloodType, Description, Order, Quantity)

FDs: BloodNo \rightarrow BloodNo, BloodType, Description, Order, Quantity

Employee (EmpID, FirstName, LastName, DOB, Sex, Phone, Address, Salary)

FDs: EmpID \rightarrow EmpID, FirstName, LastName, DOB, Sex, Phone, Address, Salary

Donates (BloodID, BloodBagNo)

FDs: BloodID \rightarrow BloodBagNo

Receives (BloodBagNo, RecipientID)

FDs: BloodID \rightarrow RecipientID

Registers (BloodID, EmpID)

FDs: BloodID \rightarrow EmpID

Interacts (EmpID, RecipientID)

FDs: EmpID \rightarrow RecipientID

Manages (EmpID, BloodNo)

FDs: EmpID \rightarrow BloodNo