Functional Dependencies

Blood Donor (<u>BloodID</u>, BloodType, FirstName, LastName, DOB, sex, dateOfdonation, address, phone)

      FDs: BloodID → FirstName, LastName, DOB, sex, dateOfdonation, address, phone

Recipient (<u>ReceiptientID</u>, FirstName, LastName, DOB, sex, BloodType, DateOfReq)

      FDs: ReceiptientID → FirstName, LastName, DOB, sex, BloodType, DateOfReq

Blood (<u>BloodBagNo</u>, Hemoglobin content, BloodAmount, BloodType, Cost)

      FDs: BloodBagNo → BloodBagNo, Hemoglobin content, BloodAmount, BloodType, Cost

Blood Inventory (<u>BloodNo</u>, BloodType, Description, Order, Quantity)

      FDs: BloodNo → BloodNo, BloodType, Description, Order, Quantity

Employee (<u>EmpID</u>, FirstName, LastName, DOB, Sex, Phone, Address, Salary)

      FDs: EmpID → EmpID, FirstName, LastName, DOB, Sex, Phone, Address, Salary

Donates (<u>BloodID</u>, BloodBagNo)

      FDs: BloodID → BloodBagNo

Receives (<u>BloodBagNo</u>, RecipientID)

      FDs: BloodID → RecipientID

Registers (<u>BloodID</u>, EmpID)

      FDs: BloodID → EmpID

Interacts (<u>EmpID</u>, RecipientID)

      FDs: EmpID → RecipientID

Manages (<u>EmpID</u>, BloodNo)

      FDs: EmpID → BloodNo