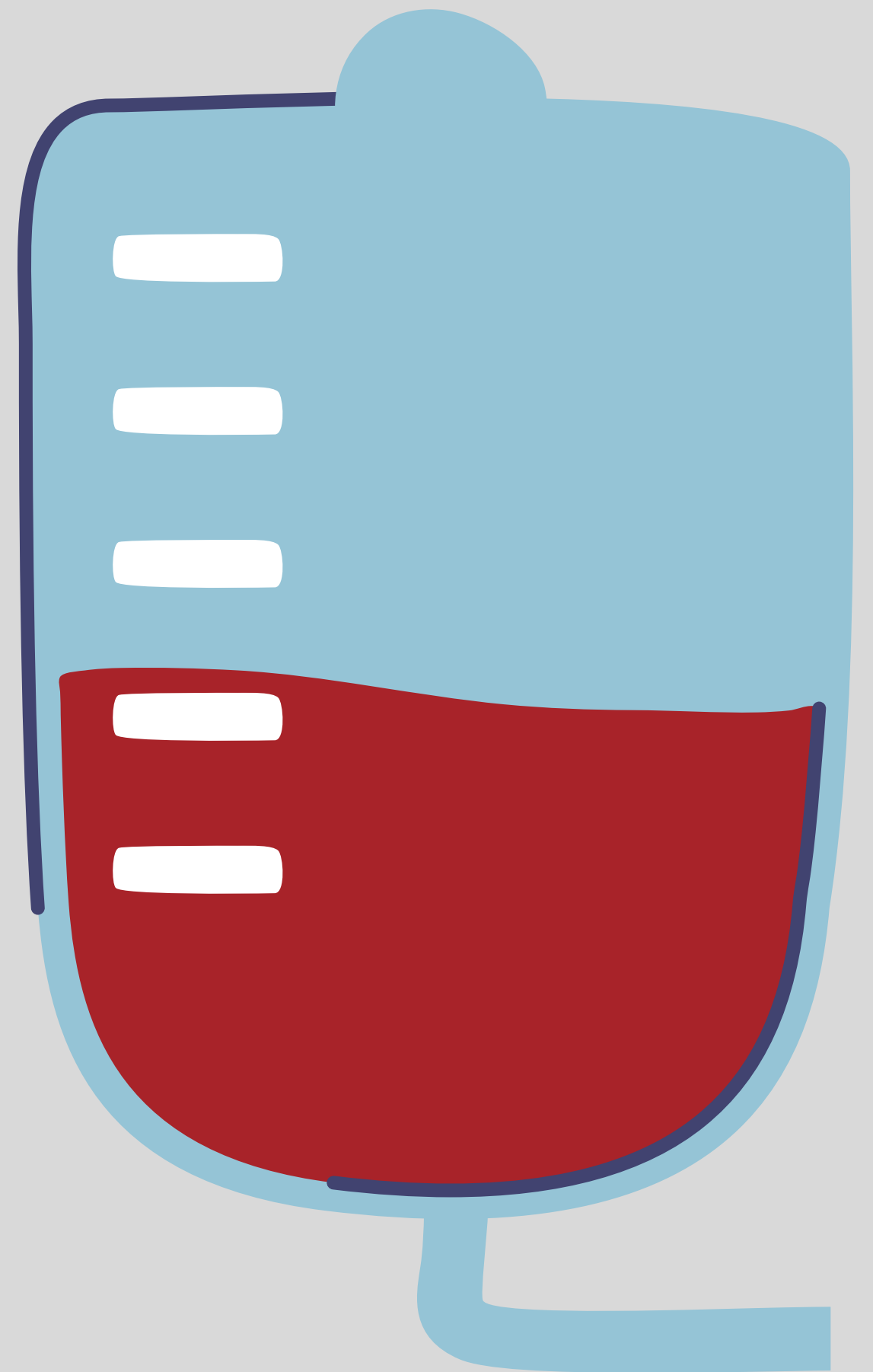# Blood Bank Donation

Introduction into database (SE2)

- **RANEIM ABDULRAHMAN 2006001**
- **ARWA ALI 2005762**
- **NOORA AMER 2006056**
- **SHAHD ALZUBAIDI 2006227**

Goal

Our project is based on a Blood Bank Donation System Database. We aim to build a database that would store interrupted data on patients, blood donors, and blood bank etc..

Requirements

Donor	
PK	DonorID
	DonorName
	DonorAddress

Blood	
PK	BloodID
	BloodType
	Quantity

Request	
PK	RequisetID
	RequisetDescription

Hospital	
PK	HospitalID
	HospitalName
	HospitalAddress
	HospitalPNO

Patient	
PK	PatientID
	PatientName
	PatientEmail
	PatientAddress
	PatientPNO

Payment	
PK	InvoiceID
	PaymentType

Add	
PK	BloodID
	BloodCode

Members Role

Systems Analysis and E-R Model completed. (All group members)
Logical modelling and normalization. (All group members)
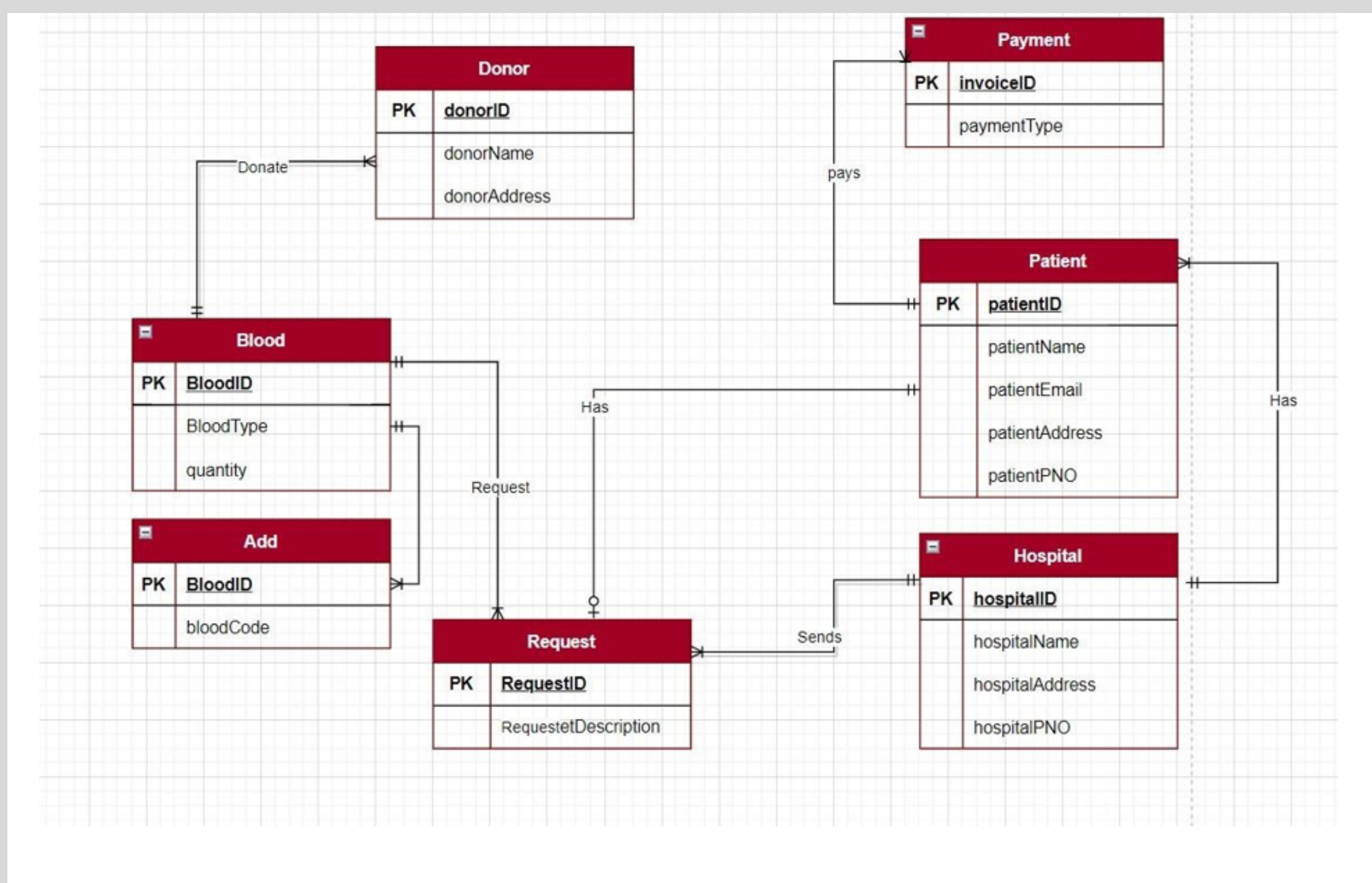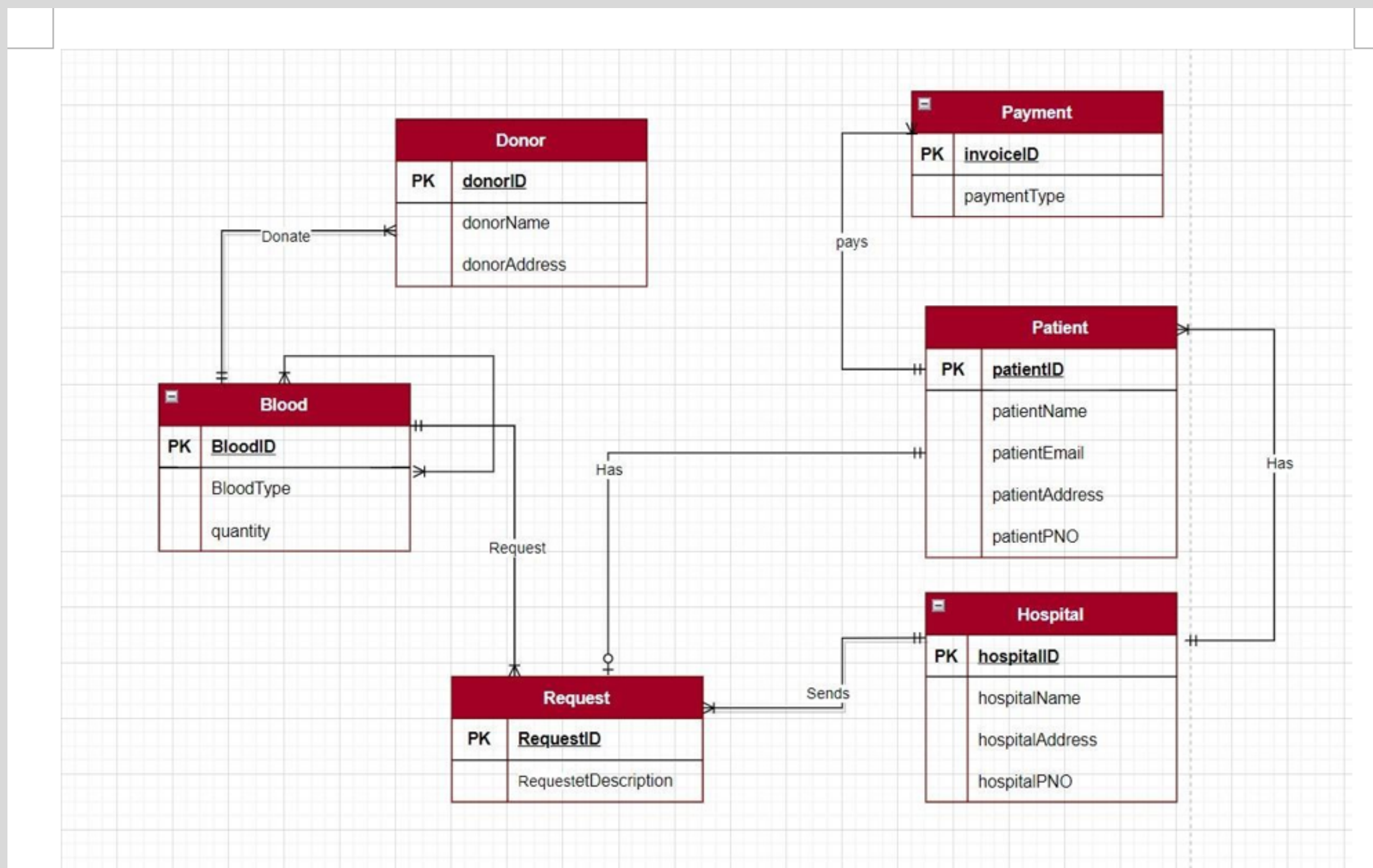Physical Database implementation

ARWA | NOORA | RANEIM | SHAHD

| CREATE THE NORMALIZED TABLES | POPULATE YOUR TABLES WITH 5 ROWS AT LEAST | DESIGN AND IMPLEMENT AT LEAST 4 QUERIES | DESIGN TWO STORED PROCEDURES |

ER diagram

Relations

Payment

invoiceID	paymentType	patientID

Patient

patientID	patientName	patientEmail	patientAddress	patientPNO

Hospital

hospitalID	hospitalName	hospitalAddress	hospitalPNO	patientID	RequestID

Request

RequestID	RequestDescription	donorID

Donor

donorID	donorName	donorAddress	BloodID

Blood

BloodID	BloodType	quantity

Add

BloodID	BloodType	quantity	BloodCode
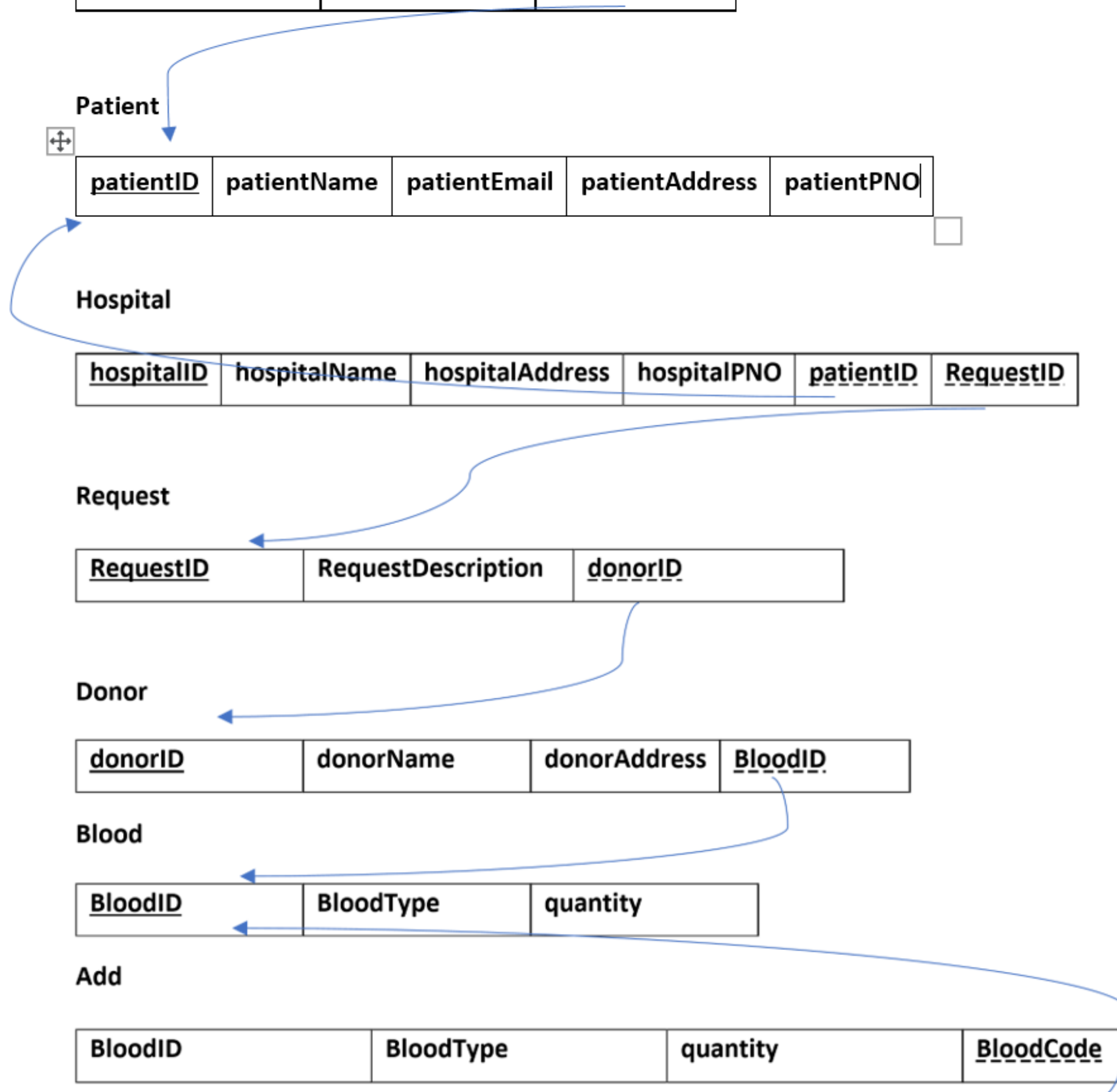
Normalization

no need to normalize all the relations in the 3NF