

Blood Donation Database System

Milestone: Relational Model

Group 16

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Percentage of Effort Contributed by Hrithik Puri: 50%

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Logical Model/Relational Model

*Primary Keys are represented by underline and foreign keys are represented by dashed line.

- **Donor** (Donor_ID, Name, Address, Number)
Where,
Donor_ID is the Primary Key
- **Medical Report** (MR_ID, Temperature, Blood Type, Hemoglobin, Pulse, Donor_ID)
Where,
MR_ID is the Primary Key
Donor_ID is the Foreign Key, NOT NULL
- **Blood** (Blood_ID, Type, Quantity, Date, Donor_ID)
Where,
Blood_ID is the Primary Key
Donor_ID is Foreign Key, NOT NULL
- **Patient** (Patient_ID, Name, Age, Disease, Address, Number, Nurse_ID, Hospital_ID)
Where,
Patient_ID is the Primary Key
Nurse_ID and Hospital_ID are Foreign Keys, NOT NULL
- **Payment** (Payment_ID, Payment_Status, Amount, Quantity, Payment mode, Patient_ID)
Where,
Payment_ID is the Primary Key
Patient_ID is the Foreign Key, NOT NULL
- **Nurse** (Nurse_ID, Name, Age, Year_Experience, Hospital_ID)
Where,
Nurse_ID is the Primary Key
Hospital_ID is the Foreign Key, NOT NULL

- **Hospital** (Hospital_ID, Name, Address, Number)
Where,
Hospital_ID is the Primary Key
- **Blood Bank** (BloodBank_ID, Name, Address, Blood_Type, Quantity, BloodBankManager_ID)
Where,
BloodBank_ID is Primary Key
BloodBankManager_ID is Foreign Key, NOT NULL
- **Blood Bank Manager** (BloodBankManager_ID, Name, Address, PhoneNumber)
Where,
BloodBankManager_ID is the Primary Key
- **Order History** (Order_ID, BloodType, Quantity, BloodBank_ID)
Where,
Order_ID is the Primary Key
BloodBank_ID is the Foreign Key, NOT NULL
- **Orders** (Order_ID, Hospital_ID)
Order_ID is the Foreign key, NOT NULL
Hospital_ID is the Foreign Key, NOT NULL