

# BLOOD BANK MANAGEMENT SYSTEM

Sumit Das

Roll: 1909044

Dept: ECE



# AGENDA

Introduction

ER Diagram

Schematic Diagram

Tables & attributes

Examples



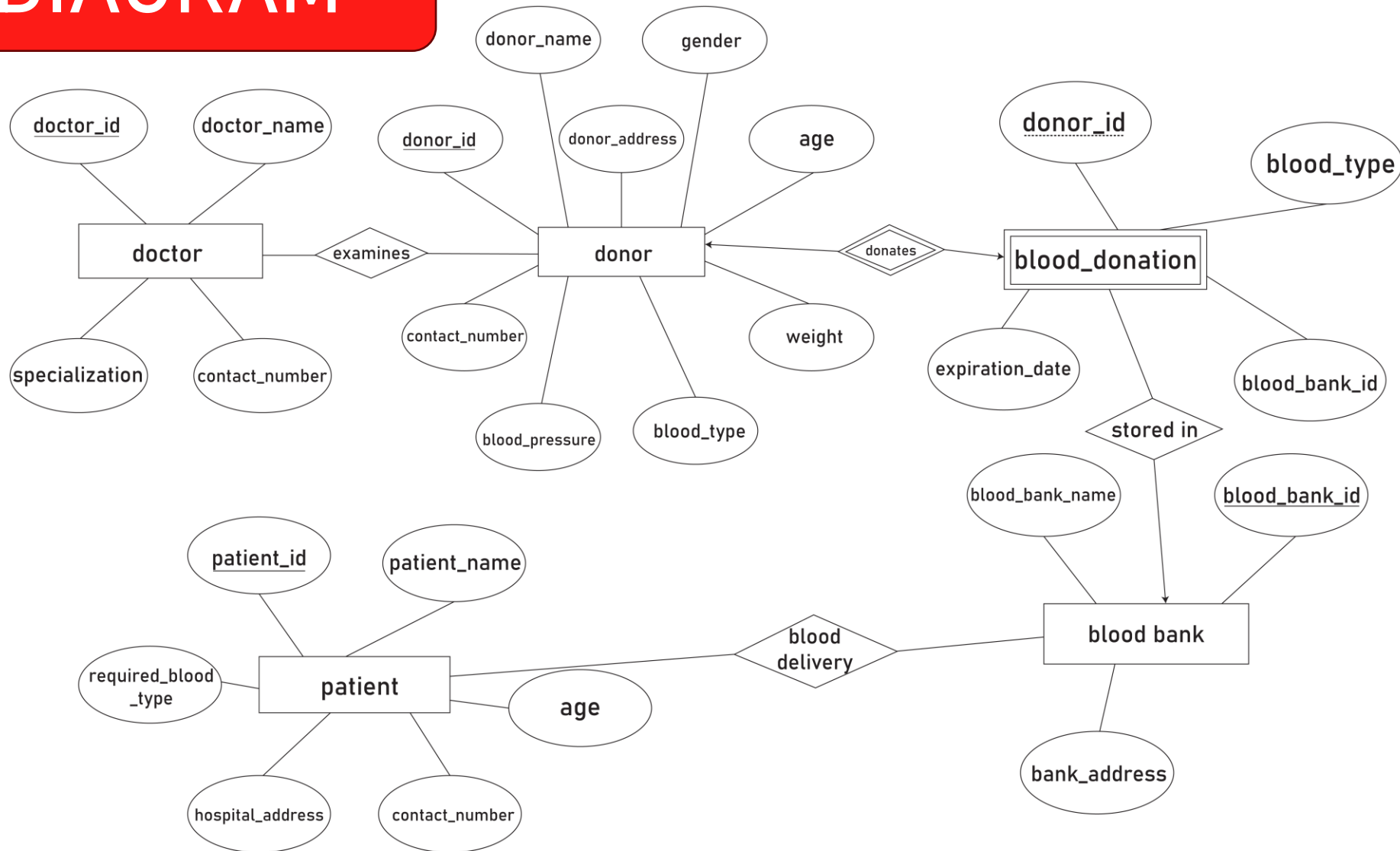


# INTRODUCTION

This Project aims to automate the process of blood bank management. Doctors can easily find available blood types and identify potential donors. Donors can be informed and be notified when their blood type is in demand. Blood banks can effectively manage their inventory, keeping tracks of blood units and their expiration dates. Patients can quickly find the blood they need. By utilizing SQL's powerful features, the project intends to streamline the operations of blood banks, thereby ensuring timely and efficient service for all parties involved.



# ER DIAGRAM



# TABLES & ATTRIBUTES

Tables	Attributes
Doctor	doctor_id, doctor_name, specialization, contact_number
Donor	donor_id, donor_name, donor_address, gender, age, weight, blood_type, blood_pressure, contact_number, doctor_id
Blood_donation	blood_type, expiration_date, donor_id, blood_bank_id
Blood_bank	blood_bank_id, blood_bank_name, bank_address
patient	patient_id, patient_name, age, required_blood_type, hospital_address, contact_number

# EXAMPLE TABLE

## Doctor table

doctor_id	doctor_name	specialization	contact_number
1	Dr Sumit	01711111111	Cardiology
2	Dr Amit	01722222222	Neurology

## Donor table

donor_id	donor_name	donor_address	gender	age	weight	blood_type	blood_pressure	contact_number	doctor_id
1	Rakib	Mirpur, Dhaka	Male	24	150 lbs	A+	120/80	01500000001	1
2	Priom	Gopibagh, Dhaka	Male	24	188 lbs	B+	130/90	01500000002	2

# EXAMPLE TABLE

## Blood\_bank table

blood_bank_id	blood_bank_name	blood_bank_address
1	KUET Medical	KUET, Khulna
2	Khulna Medical	Khulna

## Blood\_donation table

blood_type	expiration_date	donor_id	Blood_bank_id
A+	06-NOV-23	1	1
B+	06-NOV-23	2	2

# EXAMPLE TABLE

**Patient table**

patient_id	patient_name	age	required_blood_type	hospital_address	contact_number
1	Naeem	24	B+	Khulna Medical	01900000029
2	Alvi	24	A+	KUET Medical	01900000013
3	turna	23	O+	KUET Medical	01900000009