

A
MINI PROJECT
(FOR ICT 3163 DATABASE SYSTEMS LAB)
ON
BLOOD DONATION
MANAGEMENT SYSTEM
By
Team *ETERNALS*
(Batch-4)

Title of the project

Blood Donation Management System

Schema

Entity with its attributes

1) Donor -

{ Donor-id (primary), Name (composite),
Age, Address, Phone Number (multivalued)
}

2) Blood -

{ Blood-type, Code (primary), Cost }

3) Receptionist -

{ Emp-id (primary), Name, Address,
Phone Number (multivalued)
}

4) Blood Bank -

{ Blood-number (primary), Blood-type,
Orders, Issues
}

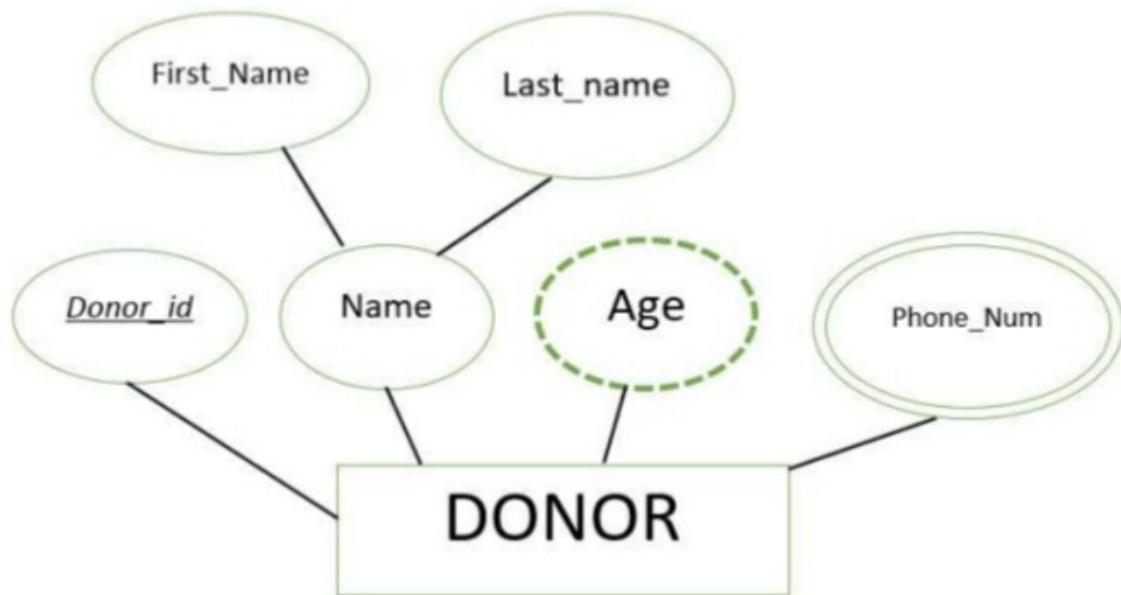
5) Blood Bank Manager -

{ Emp-id (primary), Name, Phone Number
(multivalued), Address
}

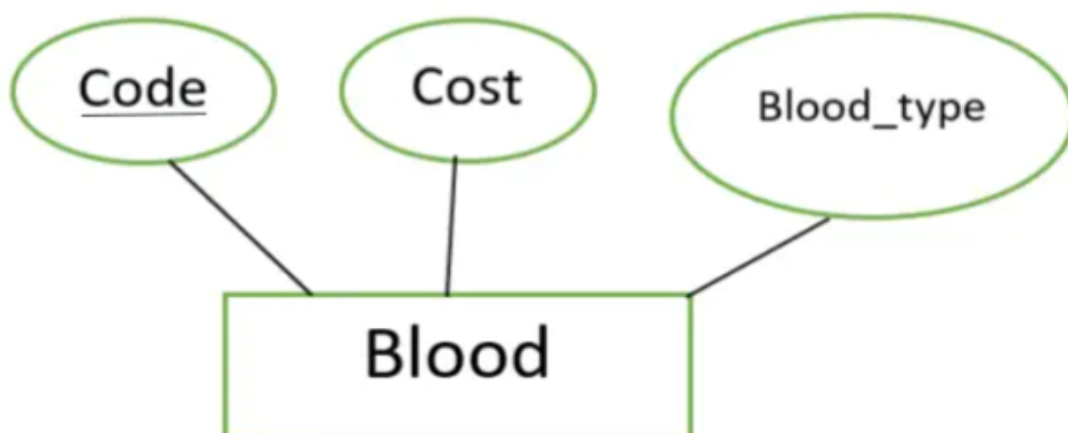
6) Hospital -

{ Hospital-name, Phone-Number (primary),
location
}

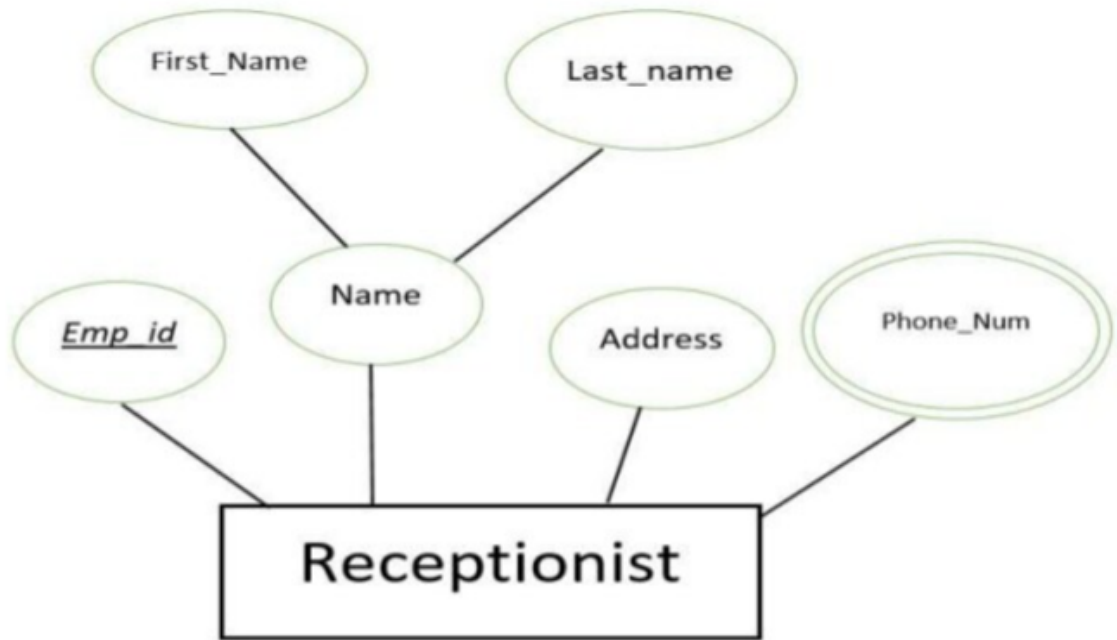
Donor Entities with Attributes



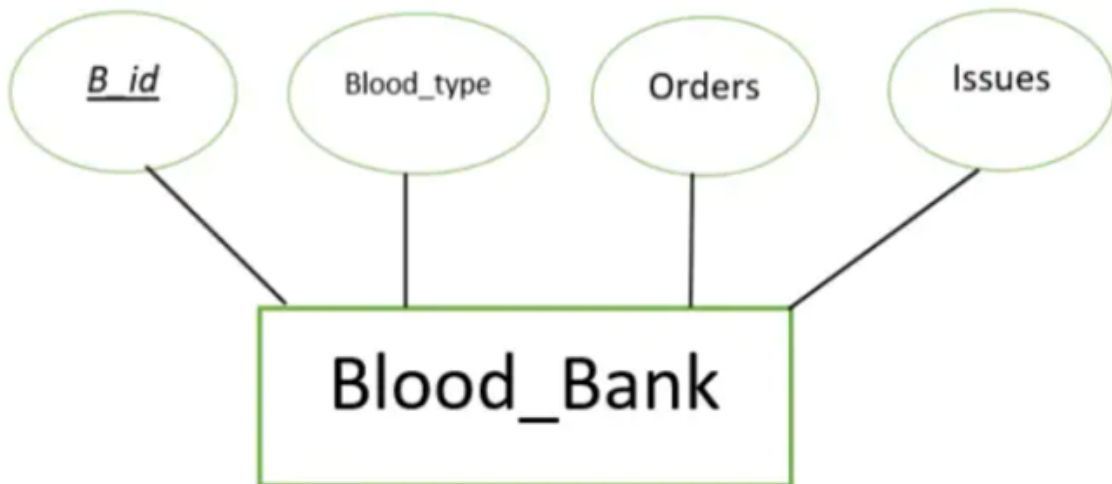
Blood Entities with Attributes



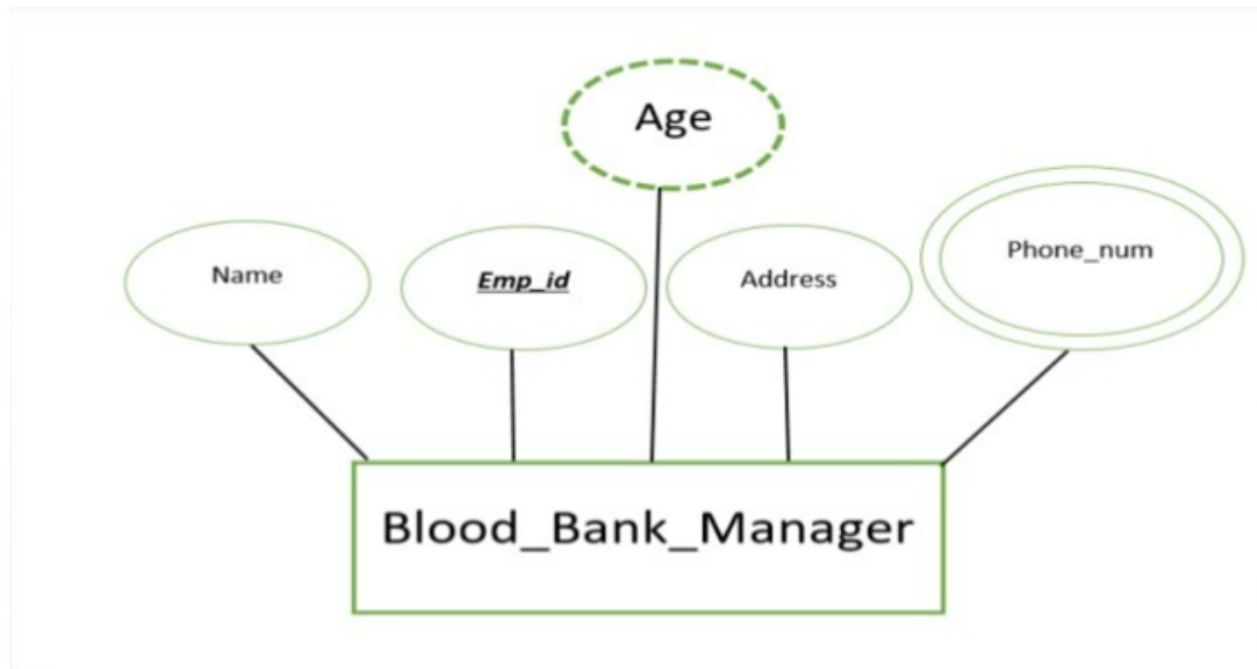
Receptionist Entities with Attributes



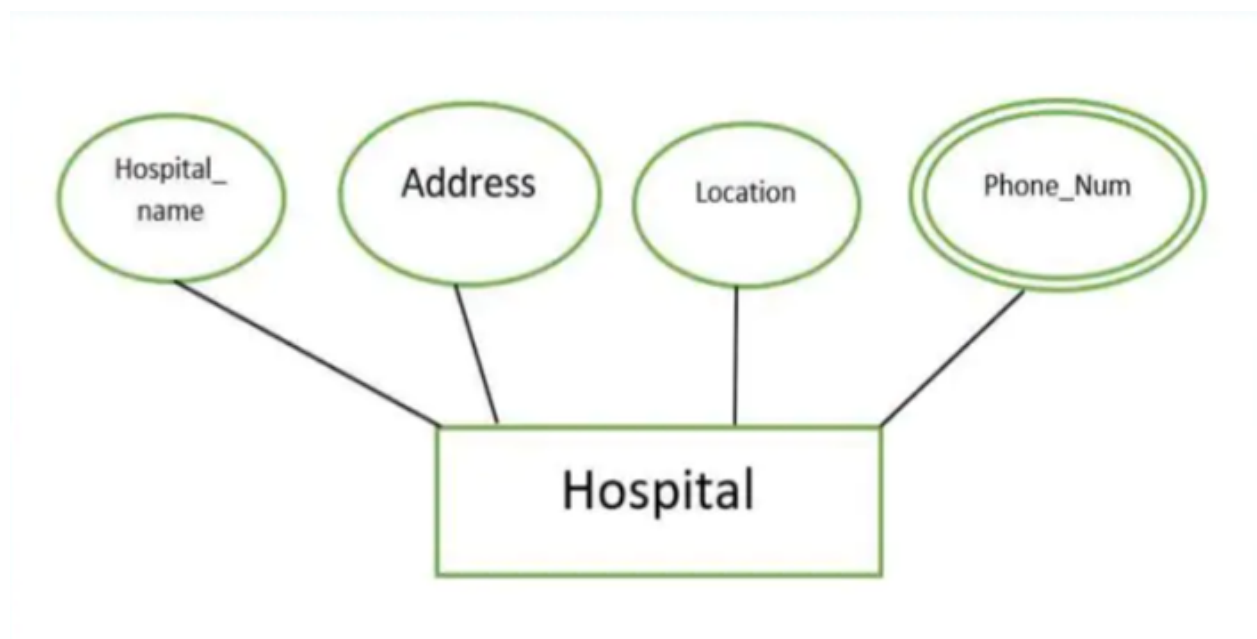
Blood Bank Entities with Attributes



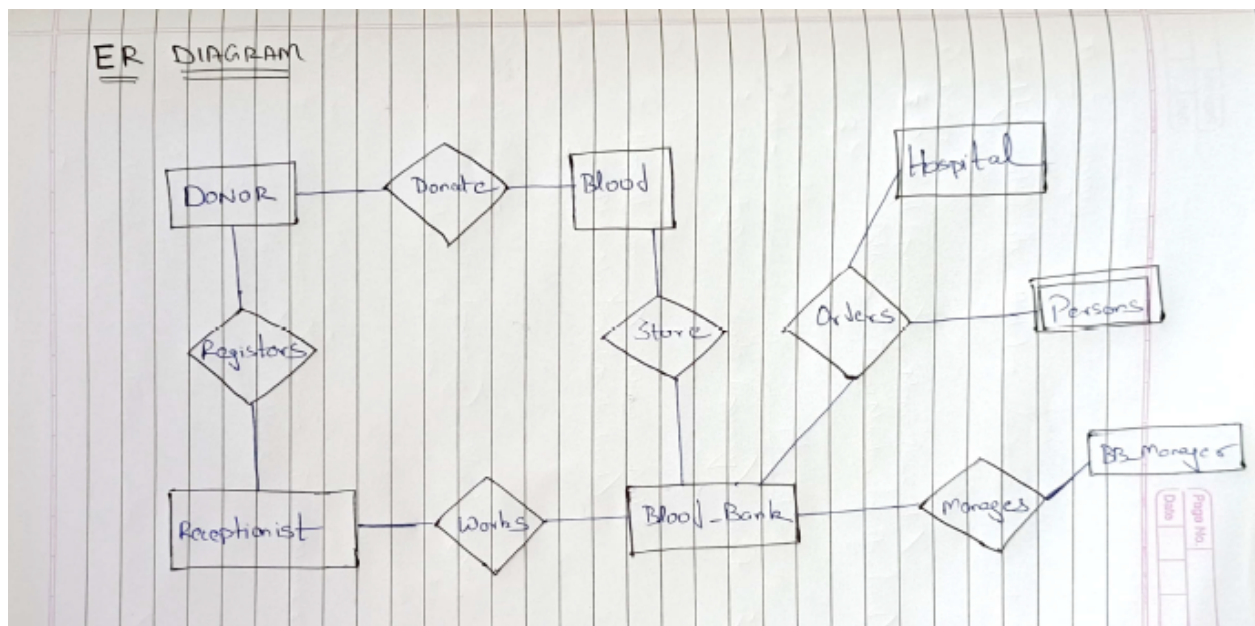
Blood Bank Manager Entities with Attributes



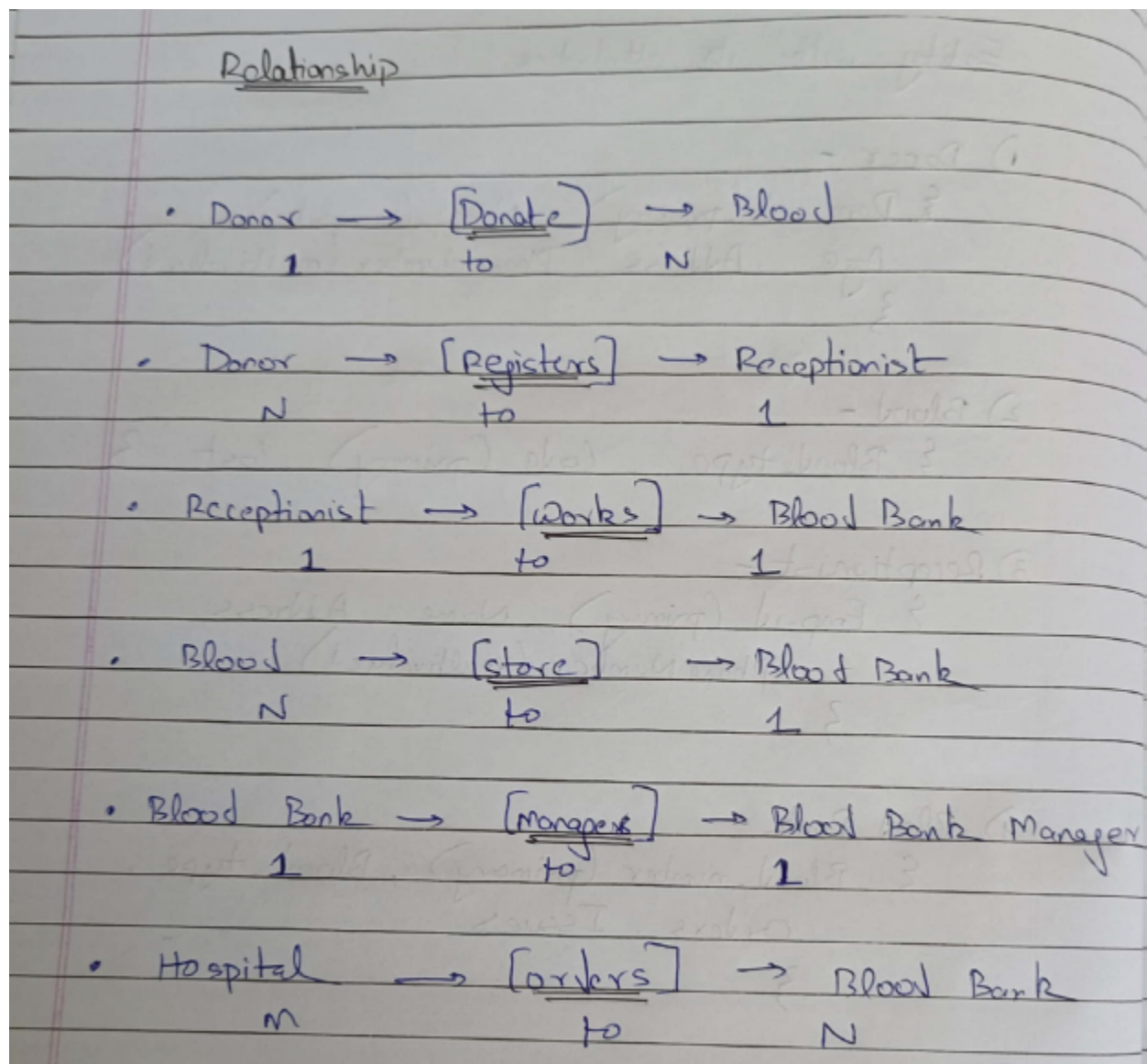
Hospital Entities with Attributes



Entity Relationship Diagram



Steps for Relationship-Schema Diagram



Tables

Donor Table

Field Type	Type	Constraints
Donor_id	int	Primary key
Name	composite	Not null
Age	int	Not null
Address	varchar	Not null
PhoneNumber	multivalue	Not null

Blood

Field Type	Type	Constraints
Blood_type	varchar(2)	Not null
code	varchar	Primary key
cost	int	Not null

Receptionist

Field Type	Type	Constraints
Emp_id	Int	Primary key
Name	varchar	Not null
Address	varchar	Not null
PhoneNumber	int	Not null

Blood Bank

Field Type	Type	Constraints
Blood_number	int	Primary key
blood_type	varchar(2)	Not null
orders	int	
Issues	varchar	

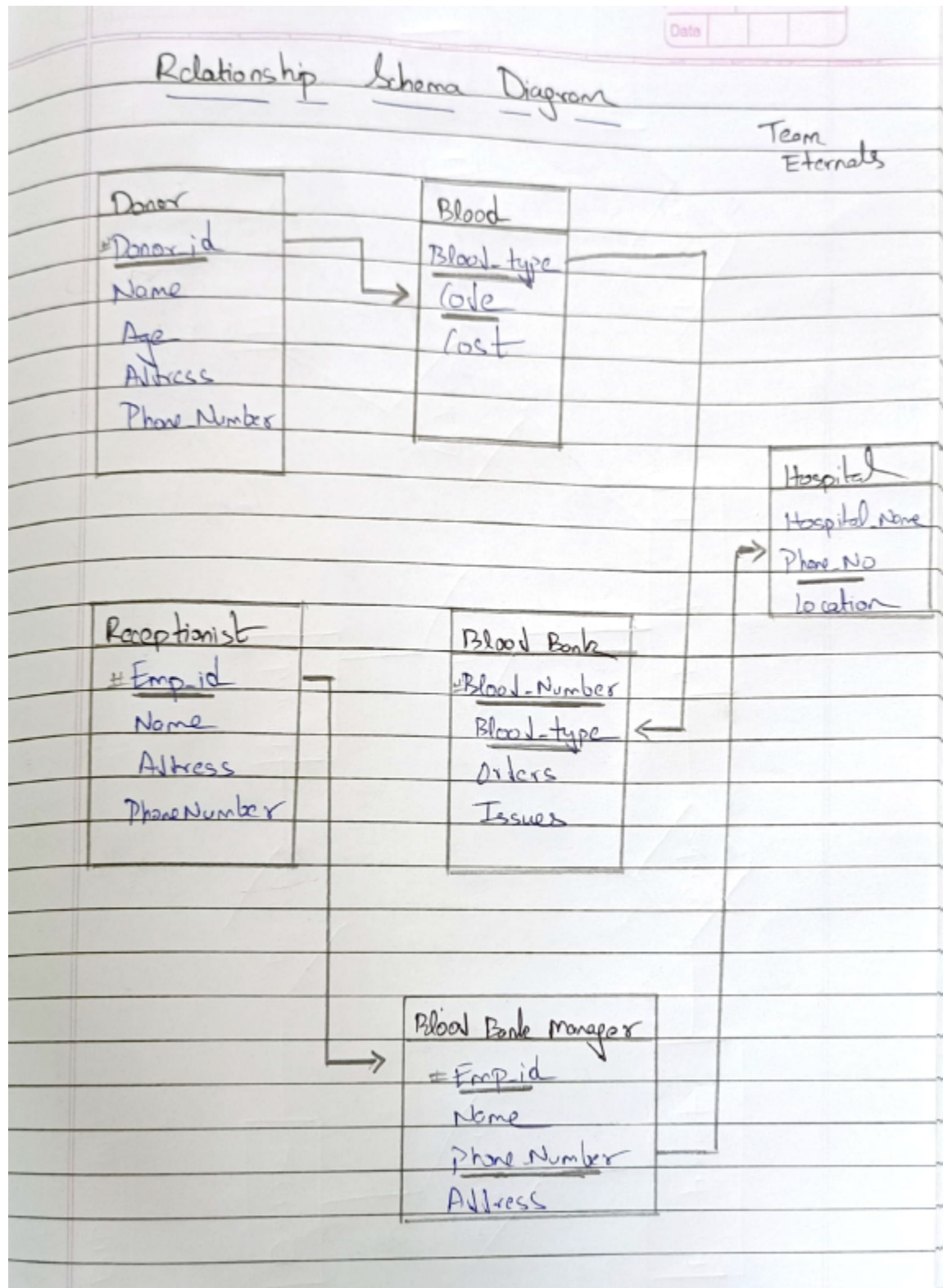
Blood Bank Manager

Field Type	Type	Constraints
Emp_id	int	Foreign key
Name	varchar	Not null
PhoneNumber	multivalue	Not null
Address	varchar	Not null

Hospital

Field Type	Type	Constraints
Hospital_name	varchar	Not null
Phone_number	int	Primary key
Location	varchar	Not null

Relationship Schema Diagram



Team Details

Name of the team: Team ETERNALS

Members :

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