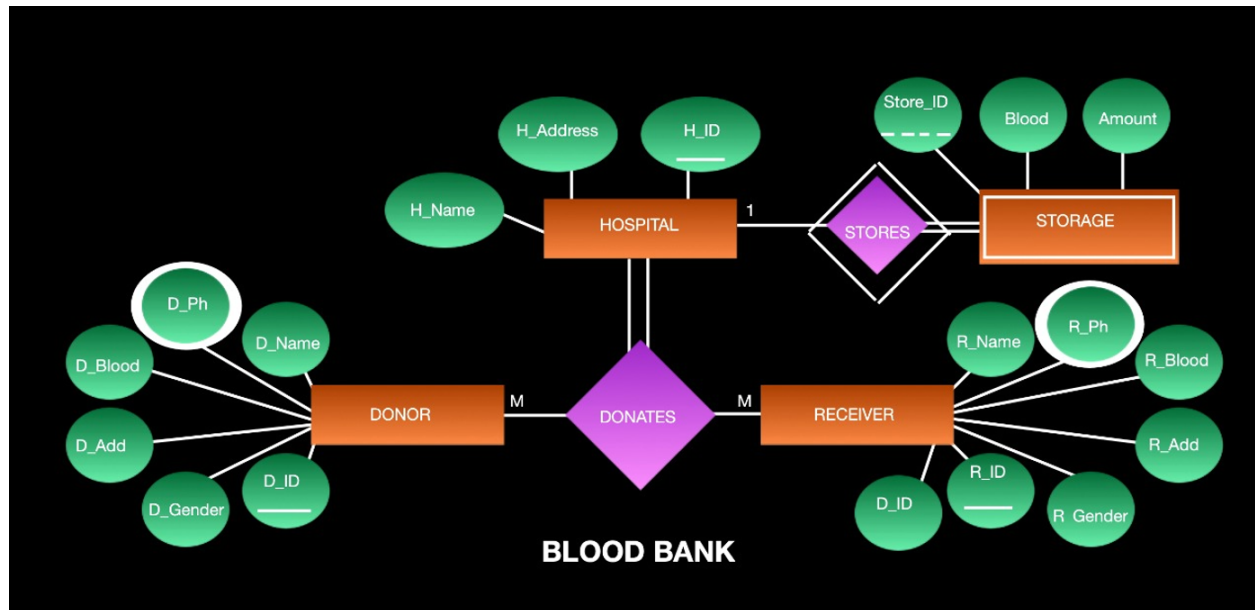# BLOOD BANK MANAGEMENT SYSTEM

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YASH PATNI

Submitted To: Mr. Ankur Ratmele

BTech CE
Batch 02

BLOOD BANK

BLOOD BANK

```sql
create database dbms_project;
use dbms_project;

create table DONOR(
D_ID int Primary key,
D_Name varchar(20),
D_Gender Char(6),
D_Add varchar(30),
D_Blood char(3),
D_Ph int(10)
);
```

```sql
create table RECEIVER(
  R_ID int primary key,
  D_ID int,
  R_Name varchar(20),
  R_Gender char(6),
  R_Add varchar(30),
  R_Blood char(3),
  R_Ph int(10),
  foreign key(D_ID) references DONOR(D_ID)
);


create table HOSPITAL(
  H_ID int primary key,
  H_Name varchar(20),
  H_Address varchar(30)
);
```

```sql
create table STORAGE(
    Store_ID int primary key,
    Blood char(3),
    Amount int
);
```

```sql
insert into DONOR values(1001,'Aaditya Jain','Male','MR9','A-',1548796251);
insert into DONOR values(1002,'Satyansh Mittal','Male','Vijay Nagar','A+',1234567891);
insert into DONOR values(1003,'Yash Patni','Male','Palasia','O+',1235587565);
insert into DONOR values(1004,'Shalini Gupta','Female','Vijay Nagar','AB-',1478523692);
insert into DONOR values(1005,'Selena George','Female','Palasia','B+',1222115543);
select * from DONOR;

insert into RECEIVER values(1111,1001,'Ati Kapoor','Male','MR9','A-',1326221435);
insert into RECEIVER values(1112,1002,'Yash Mittal','Male','Vijay Nagar','A+',1423315132);
insert into RECEIVER values(1113,1003,'Rahul Dravid','Male','Palasia','O+',1634523111);
insert into RECEIVER values(1114,1004,'Sheela Damani','Female','Vijay Nagar','AB-',1321232146);
insert into RECEIVER values(1115,1005,'Garv Agrawal','Male','Palasia','B+',1325122133);
select * from RECEIVER;
```

```sql
insert into HOSPITAL values(1,"CHL","MR9");
insert into HOSPITAL values(2,"Apollo","Aurbindo");
insert into HOSPITAL values(3,"Aurbindo","Palasia");
insert into HOSPITAL values(4,"Life","Vijay Nagar");
insert into HOSPITAL values(5,"Sanjivni","Palasia");
select * from HOSPITAL;

insert into STORAGE values(1011,"A-",200);
insert into STORAGE values(1012,"A+",250);
insert into STORAGE values(1013,"O+",400);
insert into STORAGE values(1014,"AB-",300);
insert into STORAGE values(1015,"B+",150);
select * from STORAGE;

desc DONOR;
desc RECEIVER;
desc HOSPITAL;
desc STORAGE;
```

D_ID	D_Name	D_Gender	D_Add	D_Blood	D_Ph
1001	Aaditya Jain	Male	MR9	A-	1548796251
1002	Satyansh Mittal	Male	Vijay Nagar	A+	1234567891
1003	Yash Patni	Male	Palasia	O+	1235587565
1004	Shalini Gupta	Female	Vijay Nagar	AB-	1478523692
1005	Selena George	Female	Palasia	B+	1222115543
NULL	NULL	NULL	NULL	NULL	NULL

R_ID	D_ID	R_Name	R_Gender	R_Add	R_Blood	R_Ph
1111	1001	Ati Kapoor	Male	MR9	A-	1326221435
1112	1002	Yash Mittal	Male	Vijay Nagar	A+	1423315132
1113	1003	Rahul Dravid	Male	Palasia	O+	1634523111
1114	1004	Sheela Damani	Female	Vijay Nagar	AB-	1321232146
1115	1005	Garv Agrawal	Male	Palasia	B+	1325122133
NULL	NULL	NULL	NULL	NULL	NULL	NULL

H_ID	H_Name	H_Address
1	CHL	MR9
2	Apollo	Aurbindo
3	Aurbindo	Palasia
4	Life	Vijay Nagar
5	Sanjivni	Palasia
NULL	NULL	NULL

Store_ID	Blood	Amount
1011	A-	200
1012	A+	250
1013	O+	400
1014	AB-	300
1015	B+	150
NULL	NULL	NULL

Field	Type	Null	Key	Default	Extra
D_ID	int	NO	PRI	NULL	
D_Name	varchar(20)	YES		NULL	
D_Gender	char(6)	YES		NULL	
D_Add	varchar(30)	YES		NULL	
D_Blood	char(3)	YES		NULL	
D_Ph	int	YES		NULL	

Field	Type	Null	Key	Default	Extra
R_ID	int	NO	PRI	NULL	
D_ID	int	YES	MUL	NULL	
R_Name	varchar(20)	YES		NULL	
R_Gender	char(6)	YES		NULL	
R_Add	varchar(30)	YES		NULL	
R_Blood	char(3)	YES		NULL	
R_Ph	int	YES		NULL	

varchar(30)

Field	Type	Null	Key	Default	Extra
H_ID	int	NO	PRI	NULL	
H_Name	varchar(20)	YES		NULL	
H_Address	varchar(30)	YES		NULL	

Field	Type	Null	Key	Default	Extra
Store_ID	int	NO	PRI	NULL	
Blood	char(3)	YES		NULL	
Amount	int	YES		NULL	

STORAGE
- Store_ID INT
- Blood CHAR(3)
- Amount INT
- Indexes
- PRIMARY

RECEIVER
- R_ID INT
- D_ID INT
- R_Name VARCHAR(20)
- R_Gender CHAR(6)
- R_Add VARCHAR(30)
- R_Blood CHAR(3)
- R_Ph INT
- Indexes

DONOR
- D_ID INT
- D_Name VARCHAR(20)
- D_Gender CHAR(6)
- D_Add VARCHAR(30)
- D_Blood CHAR(3)
- D_Ph INT
- Indexes

HOSPITAL
- H_ID INT
- H_Name VARCHAR(20)
- H_Address VARCHAR(30)
- Indexes
- PRIMARY