BLOOD CAMP DATABASE MANAGEMENT SYSTEM

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**OVERVIEW:**

A Database Management System for the blood camp registration. It can be used by the blood camps to monitor the records of the donors as well as the recipients. It can also be used to track previous records of the user, keep entries of his fitness and validate his records. Users can keep track of their payments, the hospital they donated/accepted blood and so on. The recipients as well as the donor can check if their entries are stored properly. This database system is to ensure the smooth running of the blood camps.

**SYNOPSIS:**

The Database software will consist of the following entities:

1. A District table to store the unique district Id, the respective name of the district.
2. A hospital table to store the unique hospital ID, its name and their respective district they belong to.
3. A table to store the multivalued blood attribute preserved in the hospital.
4. A donor table which includes an ID, name and all primary details which are mandatory such as registration date, blood group and quantity of blood.
5. A table to store the physical measures of the donor to validate his participation such as age, height, weight, alcohol consumption and last date donated.
6. A recipient table which includes an ID, name and all primary details which are mandatory such as registration date, blood group and quantity of blood.
7. A table which stores the details of each order, the unique ID of the bill, the amount of the bill/order, the hospital to which it belonged to and its respective recipients.

**CREATE STATEMENTS:**

CREATE TABLE District (

dis\_id int primary key,

dname varchar(**20**) not null

);

CREATE TABLE Hospital (

h\_id int primary key,

hname varchar(**20**) not null,

dis\_id int not null

);

CREATE TABLE blood (

hid int not null,

blood\_grp varchar(**5**) not null,

blood\_quantity int not null

);

CREATE TABLE Donor(

d\_id int primary key,

name varchar(**20**) not null,

phno int not null,

sex varchar(**10**) not null,

quantity int not null,

db\_grp varchar(**5**) not null,

dreg\_date date not null,

dis\_id int not null,

);

CREATE TABLE Donated\_By (

h\_id int not null,

d\_id int not null

);

CREATE TABLE Provides (

h\_id int not null,

r\_id int not null

);

CREATE TABLE Blood\_Receipients (

r\_id int primary key,

rname varchar(**20**) not null,

age int not null,

rb\_grp varchar(**5**) not null,

qty int not null,

r\_regdate date not null,

sex varchar(**10**) not null,

phno int not null,

dis\_id int not null

);

CREATE TABLE Bill\_Payment (

bill\_id int primary key,

bill\_date date not null,

b\_grp varchar(**5**) not null,

quantity int not null,

total\_price int not null,

r\_id int not null,

h\_id int not null

);

CREATE TABLE Physique (

donor\_id int not null,

height int not null,

weight int not null,

age int not null,

consumes\_alcohol varchar(**3**) not null,

last\_donated date not null

);