

Blood Today

A Blood Bank Management System

Donor_Login:

<i>Sl no</i>	<i>Field name</i>	<i>Datatype</i>	<i>Description</i>
1	D_id	Int	Primary key
2	PhoneNo	Varchar2	Unique Username
3	Password	Varchar2	Strong password
4	Status	Int	1-active 0-not active

Satisfies : 3NF, since each column have different names and are atomic (1NF) there exist no partial (2NF), or transitive dependencies (3NF).

Donor:

<i>Sl no</i>	<i>Field name</i>	<i>Datatype</i>	<i>Description</i>
1	D_id	Int	Primary key, Foreign key
2	Name	Varchar2	Name of User
3	Hname	Varchar2	House name
4	Place	Varchar2	Place name

5	Gender	Char	M F
6	DOB	Varchar2	Date of Birth
7	Blood Group	Varchar2	Blood Group
8	Email	Varchar2	Email Id

Satisfies: 3NF, since each column have different names and are atomic (1NF) there exist no partial (2NF), or transitive dependencies (3NF).

Donor_Appointment:

Sl no	Field name	Datatype	Description
1	A_id	Int	Primary key
2	D_id	Int	Foreign key
3	BB_id	Int	Foreign key
4	Date	Varchar2	Date of appointment
5	Time	Varchar2	Time sheduled
6	Status	Int	1-Pending 0-Donated

Satisfies: 3NF, since each column have different names and are atomic (1NF) there exist no partial (2NF), or transitive dependencies (3NF).

BloodBank_Login:

<i>Sl no</i>	<i>Field name</i>	<i>Datatype</i>	<i>Description</i>
1	BB_id	Int	Primary key
2	Email	Varchar2	Unique Username
3	Password	Varchar2	Strong password
4	Status	Int	1-active 0-not active

Satisfies : 3NF, since each column have different names and are atomic (1NF) there exist no partial (2NF), or transitive dependencies (3NF).

Blood_Bank:

<i>Sl no</i>	<i>Field name</i>	<i>Datatype</i>	<i>Description</i>
1	BB_id	Int	Primary key Foreign key
2	H_id	Int	Foreign key Null
3	B_Name	Varchar2	Name of Blood Bank
4	Place	Vachar2	Place Name

Satisfies : 3NF, since each column have different names and are atomic (1NF) there exist no partial (2NF), or transitive dependencies (3NF).

Blood_Stock:

<i>Sl no</i>	<i>Field name</i>	<i>Datatype</i>	<i>Description</i>
1	B_id	Int	Primary key
2	BB_id	Varchar2	Foreign key
3	D_id	Varchar2	Foreign key
4	B_type	Varchar2	Blood type

Satisfies : 3NF, since each column have different names and are atomic (1NF) there exist no partial (2NF), or transitive dependencies (3NF).

Hospital_Login:

<i>Sl no</i>	<i>Field name</i>	<i>Datatype</i>	<i>Description</i>
1	H_id	Int	Primary key
2	Email	Varchar2	Unique Username
3	Password	Varchar2	Strong password
4	Status	Int	1-active 0-not active

Satisfies : 3NF, since each column have different names and are atomic (1NF) there exist no partial (2NF), or transitive dependencies (3NF).

Hospital:

<i>Sl no</i>	<i>Field name</i>	<i>Datatype</i>	<i>Description</i>
1	H_id	Int	Primary key Foreign key
2	Hname	Varchar2	Hospital name
3	Place	Varchar2	Place name

Satisfies : 3NF, since each column have different names and are atomic (1NF) there exist no partial (2NF), or transitive dependencies (3NF).

Blood_Request:

<i>Sl no</i>	<i>Field name</i>	<i>Datatype</i>	<i>Description</i>
1	R_id	Int	Primary key
2	H_id	Int	Foreign key
3	Blood_Group	Varchar2	Blood Group
4	Status	Int	1-Pending 0-Delivered

Satisfies : 3NF, since each column have different names and are atomic (1NF) there exist no partial (2NF), or transitive dependencies (3NF).