Application for Blood Bank Management System

Milestone: Logical Model (Relational Model)

Group 2
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Percentage of effort contributed by Jwalit Shah - 100%

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RELATIONAL MODEL (LOGICAL MODEL)

Group Number – 2

NAME: - Jwalit Shah

Relational Model:

Donor (Donor_id, first_Name, Last_Name, Zip code, Gender, Weight, Last date of Donation, Last date of Alcohol Consumption, Quantity donated, Blood Group, Disease, Age)

Here, Donor id is the primary key

Donor: Donor id in relation to Donor: NULL not allowed, on delete/update cascade.

Blood Analysis (Donation id, *Donor id*, Quality, Haemoglobin Level, Iron Level, RBC Count, WBC Count, Platelet Count)

Here, Donation id is the primary key and Donor id is the Foreign Key.

Blood (Blood Type, Blood Group, date of Collection, Blood id)

Here, Blood id is the primary key.

Blood Donation Camp/Events (Event Code, Name, Event Type, Location)

Here, Event Code is the primary key.

Hospitals (ID, Name, Amount available)

Here, ID is the primary key.

Payment (Payment id, Amount, Date)

Here, Payment id is the primary key.

Recipient (Recipient id, Transaction id, first_Name, Last_Name, Zip code, Gender, Weight, Date of requirements, Quantity required, Blood Group, Age, Contact No)

Here, Recipient id and Transaction id are the primary keys

Blood Bank (Blood bank id, Name, Zip code, Amount of Blood Available)

Here, Blood bank id is the primary key.

Stocks (id, Blood Group, Quantity, Status, best before)

Here, Blood Group is the primary key.