Abstract

LifeSaver

(Don’t pay for blood anymore)

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Intro:

Many lifes are lost due to lack of blood availability during emergencies. This is because blood is wasted in blood bank due to expiry. People who gave blood recently cannot give again before 4 months. So the situation arises that patients have to approch blood bank and pay for blood. Not everyone are rich. So it will be easy if there is a medium which finds blood donors those are near the patient’s hospital and are available to donate blood. By implementing that poor people will be benefited a lot. So we decided to build a website that does it. It does not only do that but also allow recipients contact all blood banks and find a cheaper one if they can’t find a donor.

Problem statement:

Finding available blood donors nearby and act as a medium of contact between donors and patients.

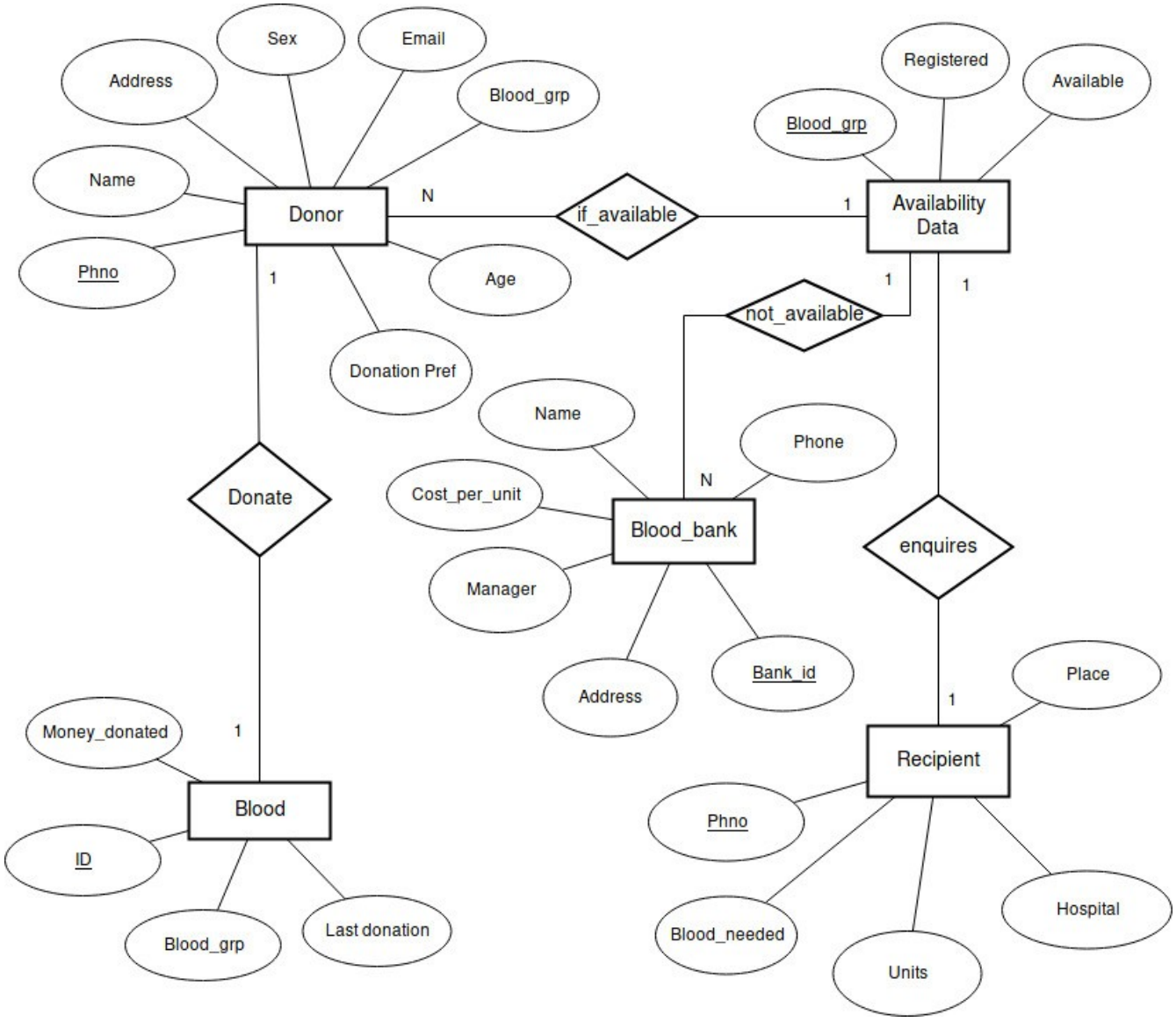
Interface:

Website loads to a home page where there will be three main options available for the user. One for recipient(Enquire blood availability) and two for donors(register and log in). Donors first have to register themself with their details(name, address, phone, email,blood group,last donation,etc..) then they can log in to their account where they can edit thier details. Recipients section asks for blood group, hospital address and phone number. Then searches the database and displays the available donors. Donor details will not be disclosed there will be a contact button which when clicked send the recipient details to the donor so that available donors can contact them and donate blood. Recipients can donate money to donors if they like. There are three more sections i.e. news, importance of blood donation and about us. News section will be updated will the recent donations with honor.

What we use:

- ✔ **Django –** A python backend framework is use to develop the backend of the website.
- ✔ **HTML and CSS** – A marketing language is used to create the skeleton of the frontend of the website.
- ✔ **MySQL –** Database server used to store data.

ER diagram:


Sex
Email
Address
Blood_grp
Name
Donor
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if_available
1
Availability Data
Registered
Available
Blood_grp
Phno
Age
1
1
1
not_available
Donation Pref
Name
Phone
N
Donate
Cost_per_unit
Blood_bank
enquires
Manager
Address
Bank_id
Place
1
Money_donated
1
Recipient
Blood
Phno
ID
Blood_needed
Hospital
Blood_grp
Last donation
Units