

Study of problem Definition Blood bank Management System

Blood Bank Management System

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Course : SEPM

Class: TE-IT (A)/Batch A

Experiment No-1

AIM: Study of problem Definition Blood bank Management System .

SYSTEM DESCRIPTION

The purpose of the blood bank management system is to simplify and automate the process of searching for blood in case of emergency and maintain the records of blood donors, recipients, blood donation programs and blood stocks in the bank.

CURRENT SCENARIO

At present, the public can only know about the blood donation events through conventional media means such as radio, news paper or television advertisements. There is no information regarding the blood donation programs available on any of the portal.

The current system that is using by the blood bank is manual system. With the manual system, there are problems in managing the donors' records. The records of the donor might not be kept safely and there might be missing of donor's records due to human error or disasters. Besides that, errors might occur when the staffs keeps more than one record for the same donor.

There is no centralized database of volunteer donors. So, it becomes really tedious for a person to search blood in case of emergency. The only option is to manually search and match donors and then make phone calls to every donor.

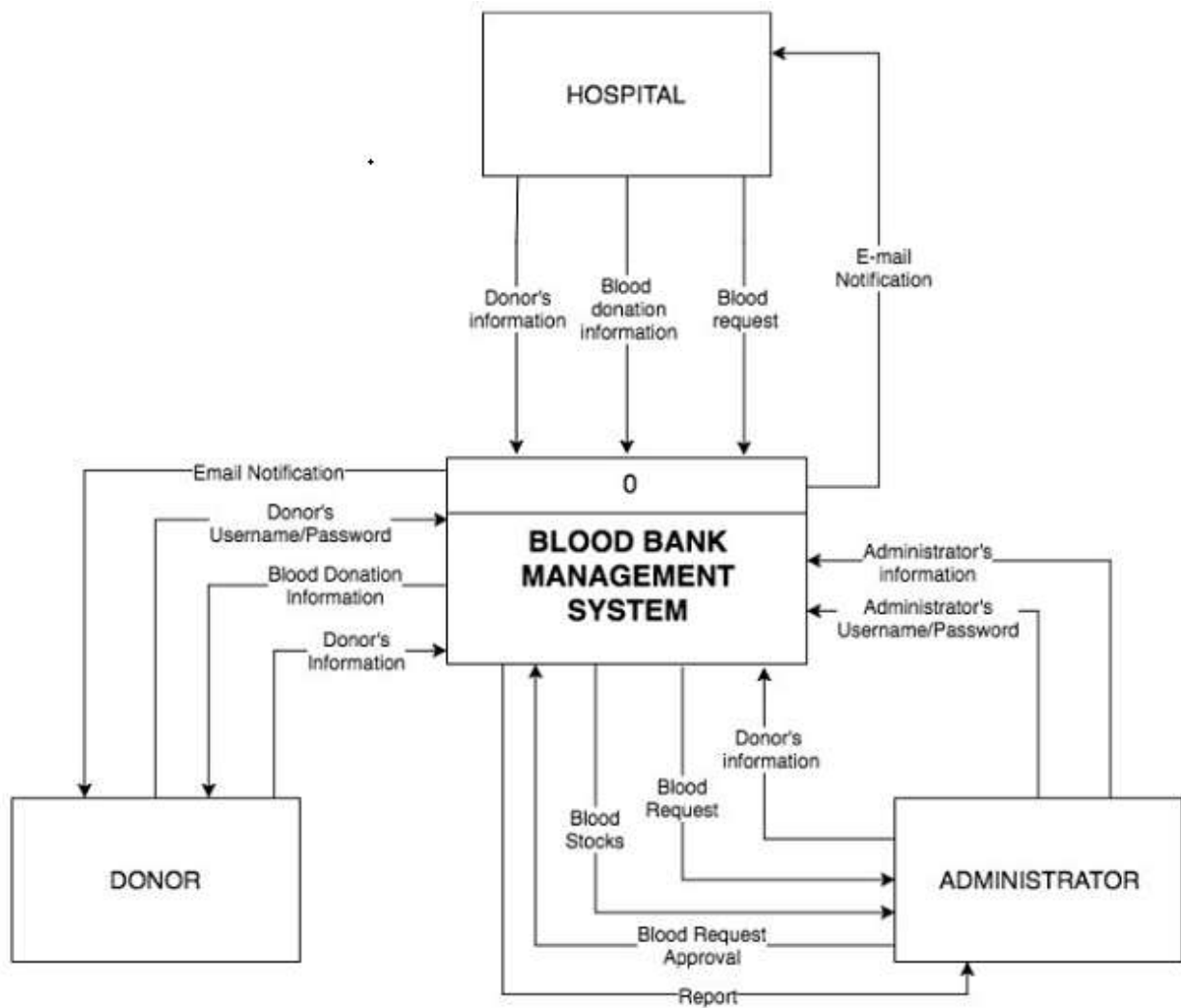
There is also no centralized database used to keep the donors' records. Each bank is having their own records of donors. If a donor makes donation in different hospital, no previous records can be traced except if the donor brings along the donation certificate. Hence, the donor is considered to be a first-timer if they make blood donation in a new place. Without an automated management system, there are also problems in keeping track of the actual amount of each and every blood type in the blood bank. In addition, there is also no alert available when the blood quantity is below its par level or when the blood in the bank has expired.

PROBLEM WITH IT

- Mismanagement of Blood in the Blood Bank .
- Wastage of blood and blood components if blood is not used .
- Blood Storage facilities is very costly need a costly equipment.
- Donor information finding problem.
- Black Marketing of Blood.

PROPOSE A SOLUTION:

- In this system we are creating a centralized system which is connected to each hospitals which tackles the problem of maintain the records of donors.
- This system notifies the donors which are connected to the system regarding blood donation camp .
- The biggest advantage of this system is that the hospitals are able to check the blood availability of certain blood groups.
- Since All blood bank are connected through single platform, and all record of blood availability in single UI , there is no problem of non availability of blood.



STAKEHOLDERS/USERS OF SYSTEM

1) System Owner: The Blood Bank Administrator

2) System Users:

- Administrators: has full privilege on the system's functions
- Staffs of Blood Bank: has privilege on the system's functions as assigned by the administrator
- Hospital: has privilege to request blood according their's necessity.
- Public: can view the blood donation events and donate or can make requests for donation (Donor and Recipients fall under this category)

CONSTRAINTS/LIMITATIONS

- GUI will be only in English.
- System crash

One of the biggest problem with any computerised system is the potential for a system crash.

CONCLUSION

Hence, we studied Blood bank management System

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