PROJECT PAPER

Project name: Blood Group Management System

CONTENTS

Acknowledgments

During this project we had some guideline.we have taken help from:

At first we say thanks to our project teacher "Sumon Mia" and "Mithun Kumar" for their guidelines.we have taken help from the book named "Java(The complete Reference)" written by "Herbert Schildt".

Wikipedia,google,slideshare,vedio tutorials,youtube etc.

Abstract

The main aim of developing this system to provide blood to the people who are in need of blood. We are trying to make a project about blood group management and this is the project paper. By this project we can simplify and automate the process of searching for blood in case of emergency and maintain the records of blood donors. It may show us any information of the student's blood group and their personal details.

At first we collect data about the blood donors (students of BAUET)..

INTRODUCTION

We will develop a management system that will help anyone to find blood easily. First of all, we will collect blood group of all the students of BAUET . The information was collected by the members of our group. In this system we can find the information by searching the blood group of the donors. The donation date is given also in this project. This blood group management system is a system which is easily available to everyone. When a person wants to donate blood he has to register to the system. Donor registration is very easy.

The goal of blood management is to ensure the safe and efficient use of the many resources involved in the complex process of blood component therapy.

PROPOSED SYSTEM

The proposed blood group management system helps the people who are in need of blood by giving them all details of blood group availability or regarding the donors with the same blood group.

In this system user can get the contact number. If any blood group is not available user can request a donor to donate the blood to him and save someone's life. In this system the students can register himself/herself who want to donate blood. To register in the system they have to enter their contact number like address, mobile number etc.

DONOR DETAILS

A Donor is a person who donate blood voluntarily. Donors can know about the details process of blood donation. Each donor has individual information.

These are the factor of a donor details.

- ➢ ID
- ➢ NAME
- ➢ BLOOD GROUP
- ➢ ADDRESS
- ➢ PHONE NUMBER
- ➢ LAST DONATION

FUNCTION

In this system we can search for donors giving their blood group.

In this system there are three types of functions

1. Add Donor
2. Search
3. Update

- Add donor: By this function we can add any new donors(students).
- Search: Here we can search student information by the blood group.
- Update: Here we can update information of donor if needed.

OBJECTIVE

Every work has a fixed aim and objective based on the demand of project. So this project is some specific objects. This application is developed for the people who need blood in emergency time.

➢ It will provide better and efficient service.

➢ It will help people by saving their life.

➢ It is very helpful of our university students and nearby people.

➢ It improves our decision making and work efficiency.

➢ It will enhance patient care.

Problem statement

Suppose suddenly someone need blood but they can't collect blood then we can easily help by this project.It is very efficient and faster process to search any blood group.

people face too much troubles searching rare blood groups.Here they can find these blood groups easily.

In rural place people face much trouble in emergency condition..But by this students approach they can find that essential blood group in time.
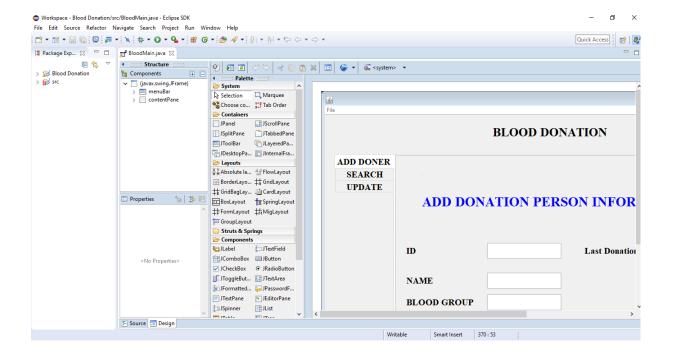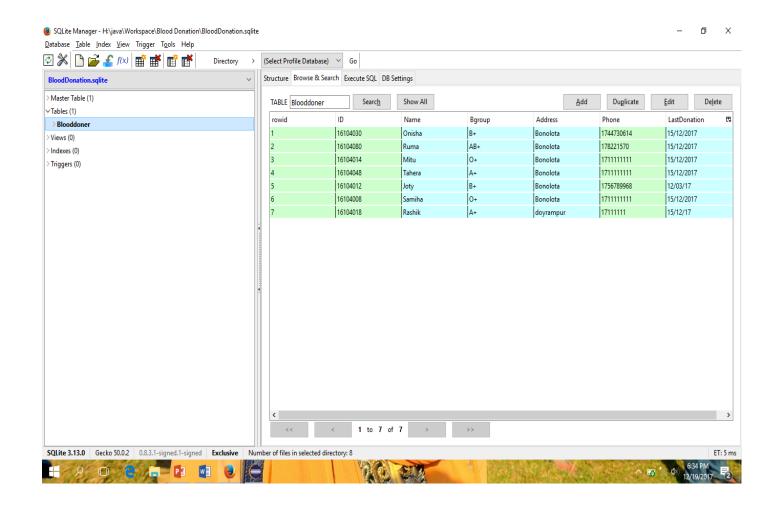
Graphical user Interface

Fig: Graphical user interface

We arrange a design of the blood group management.

SYSTEM BUILD
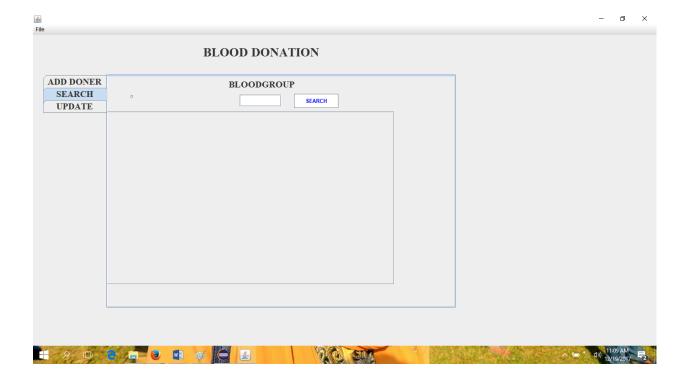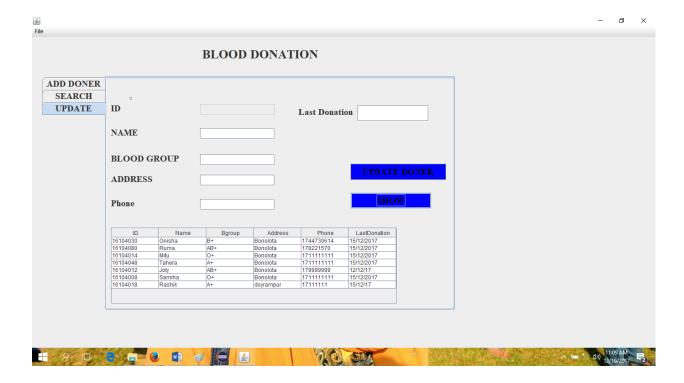
Database:

Working Panel

Add donor Interface:

Search Interface:

Update Interface:

Development

- Now this project is built java platform. In future it will be implemented in Android, windows. We will try to make this project online based.

- We will provide web based solution in the market for the comfort of the people.

- Now there are three types of options in this project.

  1. Add Donor

  2. Search

  3. Update

In future we will add some other options. Such as

- Available Donor List

Future scope

- Our project will be able to implement in future after in making some changes and modifications as we make our project at a very low level. So the modifications that can be done in our project are.

- The system can be expanded with availability over BAUET.

- This will provide Donors an option of change his/her availability.

Conclusion

➤ Pros:

- By this management system we will find the blood easily and firstly.

- Anyone can know about the donor and the last donation date.

- We can collect any kind of blood by the demand of the patients.

➤ Cons :

- We have to collect the blood group of the students which is a long process.

- We have to know the details about them which would be exact.

- We have to check the last donation data.

- We have test the blood which is complex and costly process.

References

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- www.youtube.com

- www.javatpoint.com

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- www.wikipedia.com

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