REDO BLOOD DONATE APP

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Abstract

"REDO Blood Connect" is an Android-based app. In the event of an emergency, this application can help users find needed blood. Here Users may seek information about contributors and beneficiaries with ease using their mobile phones. Users must first register with the app in order to view all of the information about the blood group it has to offer. The user may look for information about blood donors by searching for it according to the respective districts or nearby areas. The user may make a call or send a message straight from this software to the mobile phones of the donors. With the rapid expansion of COVID-19throughout the world the number of requests for the blood and the blood platelets has continued to rise, and also the rise in the number of postings soliciting blood donors on social sites like WhatsApp, Facebook, Twitter and Instagram. Finding a right blood donor for the patient is a challenging task in almost every country especially during this pandemic. There are plethora of blood donor locator applications but holds a series of drawbacks with which the receiver could not able to get the blood on time and the right blood. We designed the application which is user friendly and could able to reach the broad area of the people in need in very less time and can save many lives. Our application has a very special features which differentiate between the donors who are available to give the blood and the donors who have other reasons not to give the blood like suffering from covid-19, given blood recently, out of station, diagnosed with some disease and health issues. In our App the donor can choose enable or disable to give the blood according to his willingness or due to the mentioned reasons. As a result, the person who needs the blood can connect to the right and readily available donors without wasting the time. This app is best to find right people who are willing to give blood at the right time

1. INTRODUCTION

This project acts as an important role in saving life of human beings and which is also its main aim. The project Android Blood Bank system is developed so that users can view the information about registered blood donors such as name, address, and other such personal information along with their details of blood group and other medical information of donor. The project also has a login page where in the user is required to register and only then can view the availability of blood and may also register to donate blood if he/she wishes to. This project requires internet access and thus there is a disadvantage of internet failure. Thus this application helps to select the right donor online instantly using medical details along with the blood group. The main aim of developing this application is to reduce the time to a great extent that is spent in searching for the right donor and the availability of blood required. Thus this application provides the required information in no time and also helps in quicker decision making. This application plays a crucial role in saving lives of the people, which is also our primary goal. According to the survey of newindianexpressesEvery day, 12,000 Indians die due to a scarcity of donated blood. India takes 11 million units of blood but requires 15 million, resulting in a 4 million unit shortfall. Blood is a vital life-saver, yet in India, up to 87 districts lack blood banks. At least one blood bank is required in each district across the country. DNA accessed a list of 19 states with 87 districts that do not have a blood bank. So we want to motivate 1 million people to donate at least once or twice a year—not via marketing, but through word-of-mouth—to close this gap and reach the most remote corners of India.

2. RELATED WORK

The existing blood banking system includes a lot of manual work which takes a lot of time and physical effort. Users need to connect to the internet if they want to know the details of the blood donors. It takes a lot of time and effort to collect information about blood donors or receivers. Proper information is not available to the users..

- Blood bank brokers
- Online blood bank application system 3.Brokers between donor and Receiver
- Other blood search reacted apps

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blood donors on social sites like WhatsApp, Facebook, Twitter and Instagram. Finding a right blood donor for the patient is a challenging task in almost every country especially during this pandemic.

3. IMPLEMENTATION

Donor

The donor needs to register with the application by entering all the details. The donor can get login by entering valid username and password. The donor can search details of the patient and can contact them directly.

Receiver

The receiver needs to register first with the app by entering all the details. Receive can get login by entering valid username and password. Receive can search details

Methodology

Several software technologies including languages and framework are used to develop our blood- donor web application known as BLOODR application. These technologies comprise **Structured** programming language (simply known as sql) along with JavaScript and PostgreSQL for database are used. an open source Web framework that makes it possible to quickly and easily create data- based web applications.
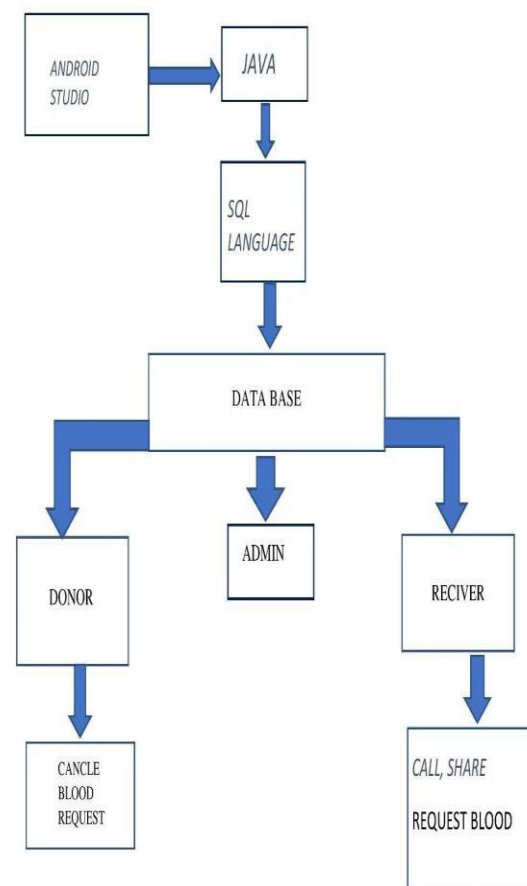

4. EXPERIMENTAL RESULTS

This application provides a reliable platform to connect local blood donors with patients. **Redo blood donate** .creates a communication channel through authenticated clinics whenever a patient needs blood donation. It is a useful tool to find compatible blood donors who can receive blood request posts in their local area. Clinics can use this web application to maintain the blood donation activity. Future improvement of the app is explained
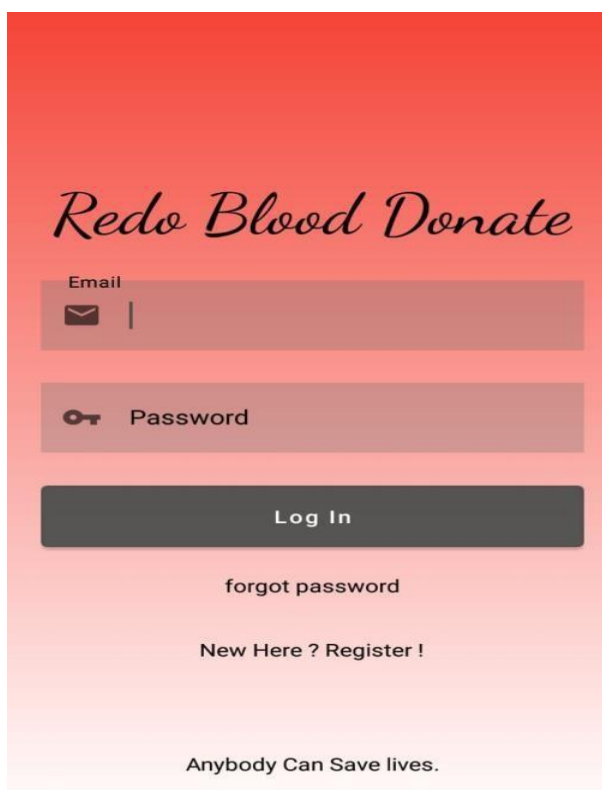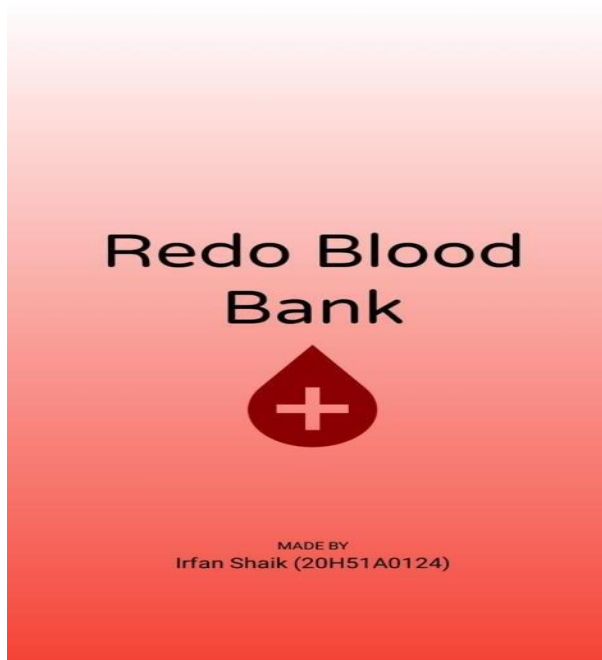
The Welcome page is first page of the app which contains multiple users Layout, where every user is categorized according to their function. user login page. The Donors can register their account using their email ID. Once registered, The Donor

can sign- up by using his\her respective password. The login page for Blood Donors is shown in figure ,
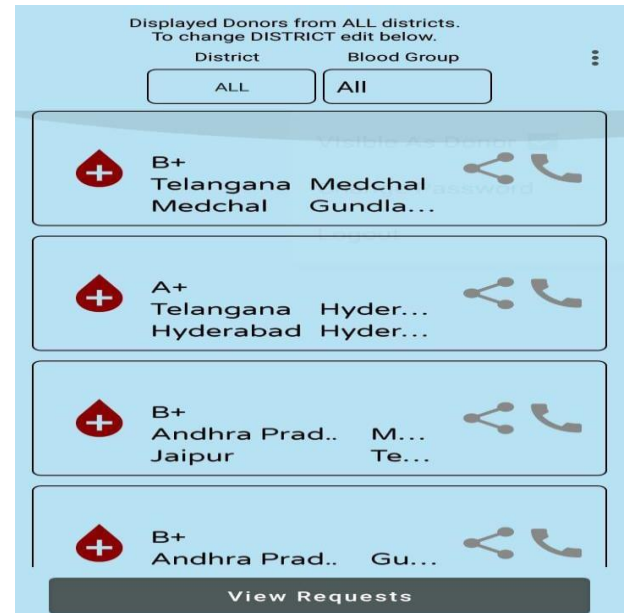
The donors with the respective blood type will be shown on the screen after the search. The Donor is determined with some inbuilt parameters. The Donor credentials page which contains the Details of the Donors. We can select the district so The nearest donor will be shown on the screen if the hospital wishes to find the nearest donor.

5. CONCLUSION

The main objective of blood bank is to develop an emergency application for people who needs blood by using alerting system Blood Connect is a mobile application which satisfies the need of the patients in emergency situations. This android based mobile app provides an easy

and simple way of finding the details of the donors and receiver

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