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Transform Yourself

Plasma Donor Application

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Zomraty: E-Blood Bank Android Application for Donors and Life Savers

Objective

The main objective of this app is to connects volunteers to donate blood and people in need by providing detailed information about the donor that allows the needy person to choose the volunteer who is closest and most suitable.

Methodology

Facilitating the use of the application to increase its speed of spread among the largest possible category of society and thus increase the possibility of providing donors throughout the country is our first goal.

Therefore, we used Android Studio as a primary development environment for developing the application and the Kotlin programming language in addition to the Firebase real-time database.

Outcome

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This system will help people by providing a list of blood donors and blood banks around the user at a radius and at a distance determined by the user. A user can apply filters and search for the specific need in the app, such as availability of blood groups or donors with the same blood type.

The user has to register . After the user (the donor or the person who needs blood) has filled in the required data such as phone number, place of residence and blood type, and then pressed the registration button, all the data is transferred to the database, where we chose to use the feature of the anonymous authentication.
All the user has to do to find donors is to press the “Search for a donor” button. Then he chooses the state he wants to search for and the blood type he is looking for.

Then all the lists of donors will be called from the Firebase database and then filtered according to the user's requirements.

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Mobile application oriented to the attention of blood donors in the medical centers of northern Lima

Objective

The objective of this research is to demonstrate that as a country we can promote all citizens to get involved in blood donation, using a tool that will be easy to use.

Methodology

Agile Scrum Methodology: As Troy Dimes wrote, scrum is like a lifesaver for those companies that face difficulties in not even having a methodology to develop a software. Scrum is a framework for creating complex software and delivering it on time in a much simpler way.

Balsamiq: Balsamiq is a tool that allows you to quickly and easily design interface layouts for websites and mobile applications. It is a paid tool, but you can try it for free.

Outcome

we were able to see that a total of 95 participants completed the questionnaire adequately. On

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average as a percentage, we see that only 20% of people have donated blood, and that 80% of the participants never donated blood.

Approximately 80% of participants had no prior knowledge of the benefits of donating blood, perhaps some because of lack of information and others because of fear of disease.

We want to make sure that the participants become confident and well informed about the blood donation process, because with the results we see that there are still people who have not donated blood, with the application we want to improve.

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ENHANCED MOBILE APPLICATION DEVELOPMENT FOR PLASMA, MOTHER'S MILK AND BLOOD BANKS

Objective

The main objective is to develop an Android application to build a network of people (Donors, Recipients and Health care departments) who can help each other. This automaton application is developed to simply explore for plasma, mother's milk and blood in near areas for emergency.

Methodology

If the user wishes to donate plasma/Mother's milk or Blood, they must register as a donor in this application. This application will enable recipients to find suitable donors and communicate directly with plasma, mother's milk and blood banks. Users can call banks or donors or visit them directly for any assistance in arranging appropriate plasma or mother's milk or blood.

This project is based on Android OS version 6.0+ developed in Android Studio, which enables developers to create high quality applications for Android devices. It provides custom designed tools for Android application developers, including rich code editing, debugging, testing and specification tools. Plasma, Mother's Milk and Blood Bank is an Android application that uses the Firebase & 000webhost.blogs (web cloud) real-time database to quickly and efficiently search, collect and sort data for each Plasma, mother's milk and blood donor and users. (A google-services. Json) must be registered for the Android application using the Firefox console).

OUTCOME

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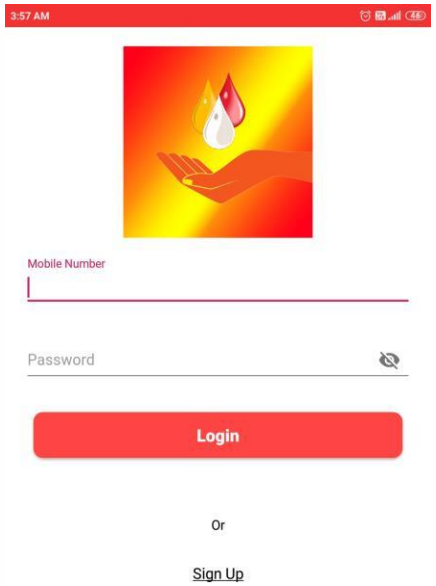

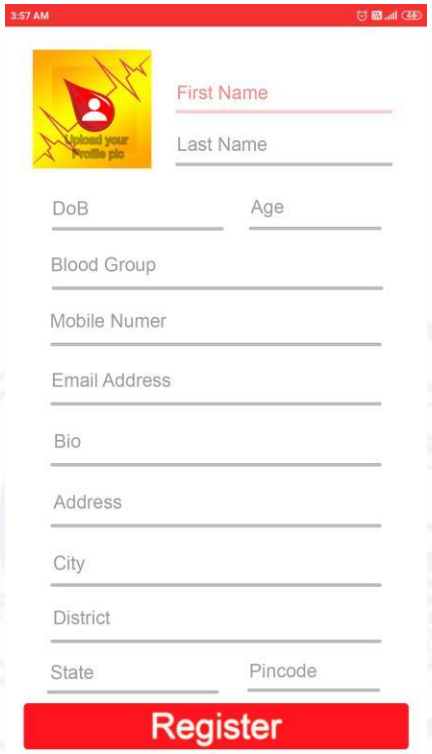

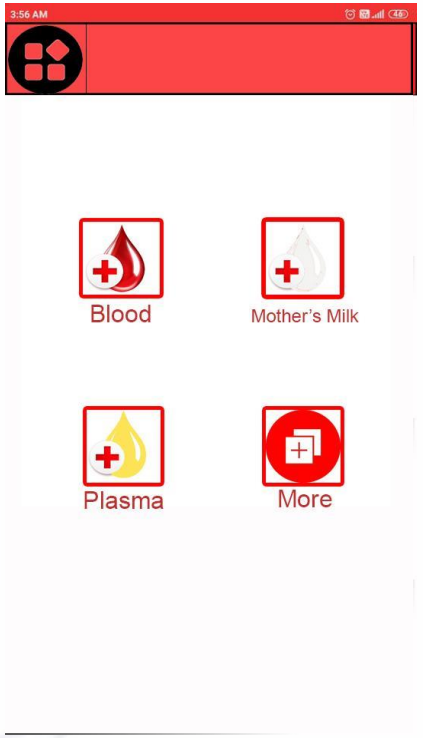

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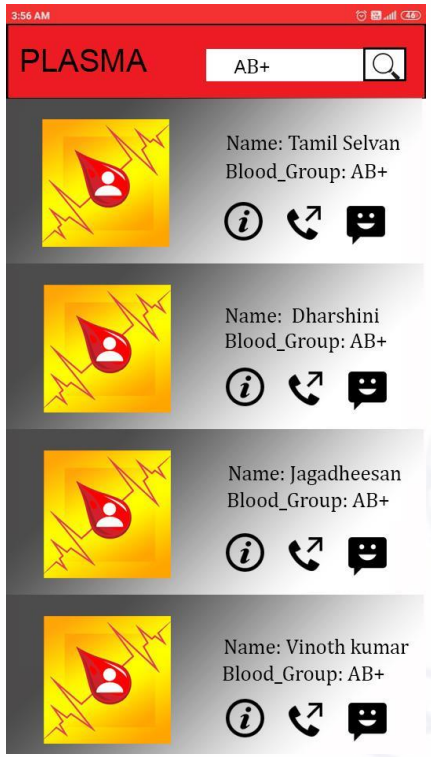

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