

Cloud Based Plasma Donor Application

LITERATURE SURVEY

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

Enhanced mobile application for plasma, Mother's milk and Blood has been developed to help the administrator to attract more donors and recipients and make user management an easy task. This mobile application will attract more users as it is user friendly and greatly reduces scalability issues especially in the case of Mother's milk donation. Not everyone in the world can donate Mother's milk. Only Feeding moms can donate mother's milk. Thus, we have successfully designed and developed the Android mobile application to ease the process of becoming a donor and recipient of PMB bank.