BLOOD BASKET ANDROID APPLICATION

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ABSTRACT

This project serves the persons who seeking the blood, who willing to donate blood and also provide. Blood Donation System tries to assist patients in want of blood. We have provided contact details of a person as new user have to register according to their type of perspective and existing user have to login. This paper is mainly focusing to find blood donors by using the blood group and location they have filled during the registration, then found the person your specified location at the same time shows the achievements of a donor has do not donate yet or not. The vision is to be the hope of every person in search of a blood donor.

Keywords: Blood Donation, Firebase Database, Donors, Blood Requirement and Android Application**.**

1. INTRODUCTION

Today mobile based application has become a part of our daily life. With the revolution in mobile many features were added to the field [1]. This android application is developed to easily search the blood donor nearby the specified location. Those who have registered in this app, their location, contact number and blood group along with other details to be displayed. However more blood banks are available in the world, none of them offered directly contact between the donor and recipient [2]. A blood donation occurs when a person voluntarily has blood donating of donor's achievements will displayed specific. This proposed work serves the persons who seeking the blood donors, who willing to donate blood. This application allows donor to click the option achievements at the time blood donation complete (if Donor has achieved the donate blood not to allow till three months). The registration of the users must be confirmed by the admin for it to get updated in the database which prevents users from registering multiple times. Direct involvement of the donor and the seeker saves time and life as sometimes the required blood may not be available in the blood bank so at the time user must have an app and register their details then find blood donor.

2. PROPOSED WORK

This proposed system work for searching blood donors by click on find blood donor's option and thereby saving valuable time and money. This application provides necessary to serve people on their near emergency location need making them free blood by providing some of donors at a single click.

The various options that are provided by this application are:

- Donor registration and blood collection.
- User access control.

- Detailed donor database.
- Maintain and update unique donor identification.
- Powerful search for donors by blood group, sex, location, Mobile number.

Besides these, some more features can be added to establish this application for a social networking application. This application is to create information about the donor and organization that are related to donating the blood [3]. When registration is completed, a user becomes a donor who will be able to open an account with valid credentials like email ID and Password [4] [5][6]. They can modify their account details by updating username, mobile number and Location. This software helps to register all the donors, Blood donor details [7]. In this application, Admin is the main authority who can add and modify details if required. A user is able to search donor from the dashboard option like find blood donor. It will make easier to find and contact with donors when blood needed. Donor can be used this application through android based mobile phone. Donors login to the application with their e-mail Id and password. A dynamic search will show donor details by location and blood group. If they want blood, directly contact to available donors. Blood Donation System which helps to hospitals and any other users to look for donors in their nearby location who will be available in quick time.
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3. RESULTS AND DISCUSSION

User has to download the application, after downloading the application, registration form appears. For registration basic details like name, address, contact, sex, location, blood group, email id and password etc are needed. If the person has already registered, then user has to login. If user doesn't remember password can click on "Forgot password" button which sends email to the link reset the password and then login.
The user gets various options on screen:

- Registration Form
- Login
- Dashboard
- Profile update
- Achievements
- Find Blood Donor

If the user is new to the application, then it is must to get registered in the application by clicking on "Register" button as shown in fig. 1 and by providing the details like name, sex, blood group, contact number, address, email id and password to individual account. The screen shown below:

Fig.1 Register

If the user already exist an account to login using individual credentials like e-mail id and password then click sign as shown in Fig. 2 and also user can Forgot the Password during the login and click the button “Forgot Password” then screen will show enter to your registered email address and you get one link to reset the password. It shown below:

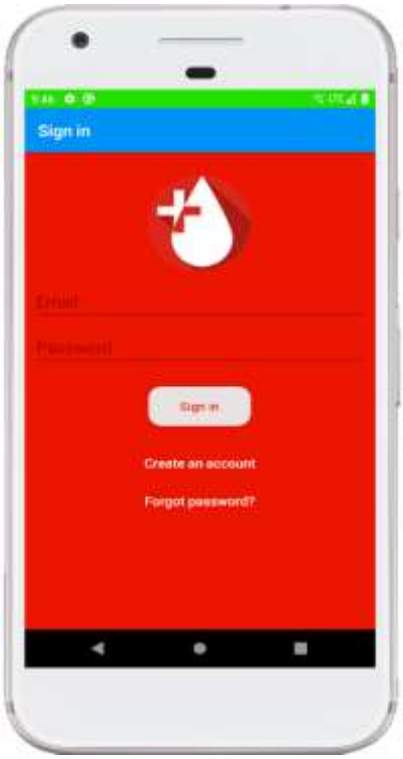

Fig.2 Sign in

The dashboard drawer will appear by clicking on left corner menu, home screen shows the request blood request to the user. Each activity has some status of the user. as shown in Fig 3:

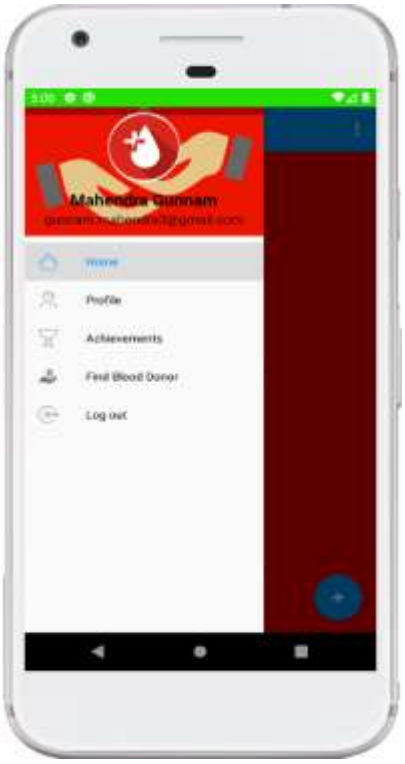

Fig. 3 Dashboard

Once you change the location and please the update profile with changed location. If you are a donor recently and please mark this visible check box on your location as shown in the Fig. 4

Fig. 4 Profile

If the user is donating the blood at least once and donor has to click the “yes” button will appear in the screen below achievement status at a time started to count as shown in the Fig. 5.

Fig.5 Status

If users need blood in emergency, click the find blood donor activity by the dashboard drawer, enter the blood group and location then click the “Search” button and below shows the donors list as shown in the Fig. 6.

Fig. 6 Search

4. CONCLUSION

This proposed system an efficient and reliable android blood basket application. Blood is the primary necessity of life. There are various options appear after login to the application the mostly searching for blood donor and direct involvement of the donor and the seeker saves time and life as sometimes the required blood. This application offered directly contact between the donor and recipient, then donor to click the option achievements "yes" button at the time of blood donation complete (Donor has achieved the donate blood not to allow till three months). Future work can be implementing to nearby hospitals and tracking the patient location from Google maps. So, finally this android based application makes it more useful and effective.

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