

MOBILE APPLICATION FOR BLOOD DONOR'S MANAGEMENT USER'S INTERFACE

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Today many people have necessity of blood and mainly, they spread out this information in social media to find blood donors. Statistics showed that donor requirements around the world are very frequent, although needs are satisfied occasionally and very late [1]. That's why I decided to build app which would help medical institutes to inform people about blood necessity easily and to find blood donor. At first, I was searching for existing solutions _ applications with similar purposes and fuctions, after that I read user reviews and realized which services are useful and fruitful for users [2]. Most of users from reviews require simple user interface without extra information, because of frequent bugs [3].

According to essential services I decided to build android application, so that sending notifications to the donors will be easier and more effective. Also, users will be available to share their location to our application, it's vital information to make donation in time. Main part of our users will be volunteers who has desire to give blood and save life . During registration they will give to medical institutions information about their blood type and adress. According to compatability and hospital location they will receive notifications about blood needs. Rest part of users will be representatives of medical institutes, they will register volunteers as users after convincing that they are able to give blood and of course, they will indicate donor needs in our application and after that compatible users will receive notifications about blood necessity.

The screenshot shows a web browser window with the URL <https://idonate1517.firebaseio.com>. The page title is "I Donate" and it features a search bar and a "Sign out" button. The main content area is titled "Users" and displays a table with 3 entries. The table has columns for birthday, bloodtype, city, email, firstname, lastname, mobile, username, and action. Each row has an "edit" button in the action column.

| birthday | bloodtype | city | email | firstname | lastname | mobile | username | action |
|------------|-----------|---------|----------------------------|-----------|-----------|-----------|------------------|--------|
| 09/03/1996 | 2- | Batumi | giorgadzemiriani@gmail.com | Mirian | Giorgadze | 574644464 | giorgadzemiriani | edit |
| 09/09/2004 | test | Tbilisi | tester@gmail.com | tester | tested | 577773377 | tester | edit |
| 13/03/1996 | 3+ | batumi | qwerty@mail.ru | test | test | 558996766 | qwerty | edit |

Showing 1 to 3 of 3 entries

Pic. 1. Web Application for medical institutions (Table for donor's database)

Hopefully, after realization of this app statistics of blood donations will be changed, and finally, according to this application there will be created huge base of donors, which will be helpful for people who need to survive.

References:

1. https://en.wikipedia.org/wiki/Blood_donation
2. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2535889/>
3. <https://www.interaction-design.org/literature/article/principle-of-consistency-and-standards-in-user-interface-design>