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BSC CLOUD COMPUTING

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Introduction:

The project “Blood donation management system Android application” is developed for management of the blood banks, blood donors and hospitals. The project would interconnect the hospitals, donors and the patients in a single network and store various information about the health and the blood of each of the individual. The system is designed to store data in a centralized server and respond to the query of the user using the android application.



Aim :

Aims

The main aim of the project was to develop an android application for blood group management system.

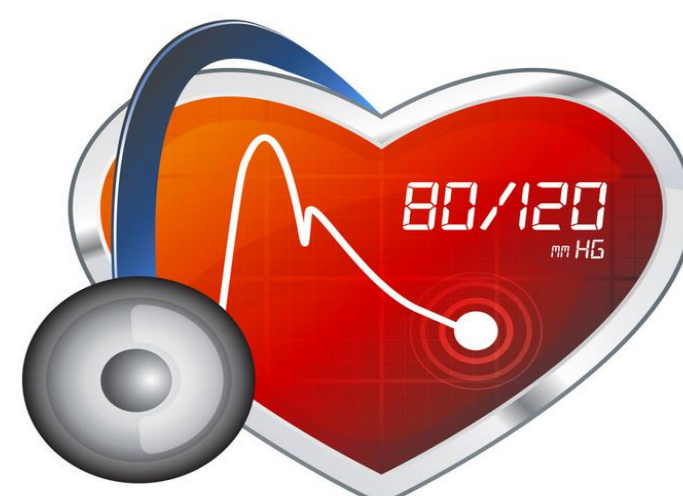
Objectives

The objectives which I have achieved during the project.

- Analyse a suitable development methodology for android application development that will allow sensible time management across the duration of the whole project.
- Research on tools use to develop mobile application and to get a better idea of what issues a user may encounter when developing a mobile application.
- Create a relational structured database for mobile application.
- Create a simple UI (User Interface) which supports CRUD.
- Identify a suitable testing strategy for android applications.”



Motivation: According to my research there is no such application is available blood banks using old system many of us cant find blood at the time of need so this motivates me to create such a application which can save crucial life's.



Benefit of Project:From the developed application the user can get the location of the hospitals and the blood banks nearest to them. The information of the blood and the donor health condition can also be fetched from the application.

TYPE OF PROJECT

➤THE PROJECT IS EXPERIMENTAL BASED

Explanation

- The following methodologies are used for the development of the project such as 000webhost, my SQL and Android management studio.
- The 000webhost is used for cloud database.
- My SQL is used for the development of the database of the application and store the records of the patient and the blood donor.
- The android management studio acts as a tool for the development of the application and it helps in faster development of the software application.



Approaches: Iterative software development lifecycle (SDLC) model is followed for the development of the application. In this approach the feedback of the users are collected with the application of different modelling techniques like screen mockup which is appropriate for the project



Future Work:In future the system is required to be extended and SMS service is required to be integrated with in the application. A notification is required to be created for the blood donor and the patient. The blood donor would get a notification about requirement of specific group of blood and the patient would get a notification when the blood is available in the blood bank.

Conclusion: It can be concluded that with the development of the project the whole information related to a blood bank system can be obtained. The project would accelerate the traditional system and help in communicating with the patient and the donor associated with the blood donation. It would enforce a centralized control over the blood transfusion service.