

Appendix: I

SRS-System requirement Specification

DDS - Design Document Specification.

UAT- User acceptance testing.

SDLC-Software Development Life Cycle

ER-Entity Relationship

DFD-Data Flow Diagram

UML-Unified Modelling Language

OMG- Object Management Group.

PHP-Pre-Hypertext Processor

SQL-Structure Query Language

Appendix: II

Problem Statement:

To develop an android app for Blood Management System.

Abstract:-

This project is aimed to developing an online Blood Donation Information. The entire project has been developed keeping in view of the distributed client server computing technology, in mind. The Blood Donation Agent is to create an e-information about the donor and organization that are related to donating the blood. Through this application any person who is interested in donating the blood can register himself in the same way if any organization wants to register itself with this site that can also register. More over if any general consumer wants to make request blood online he can also take the help of this site. Admin is the main authority who can do addition, deletion, and modification if required. The project has been planned to be having the view of distributed architecture, with centralized storage of the database. The application for the storage of the data has been planned.

Literature Survey:

Blood Donation app 'National Blood Banks Directory' was developed in the year 2016 for the purpose of donating and receiving the blood. This app contains state/city wise list of Blood banks and other required information like address, geo-location, contact details, area pin-code, email address, website link, etc. But it is suitable for only particular area and it connects receiver to only donors or bank.

The app 'Blood Donation' works as above app but requires email ID and the password which loses security. Some apps have location tracking system which may not be useful when donor's GPS is off. Some apps are useful for particular area not universally.

Objective & Scope of Proposed System:

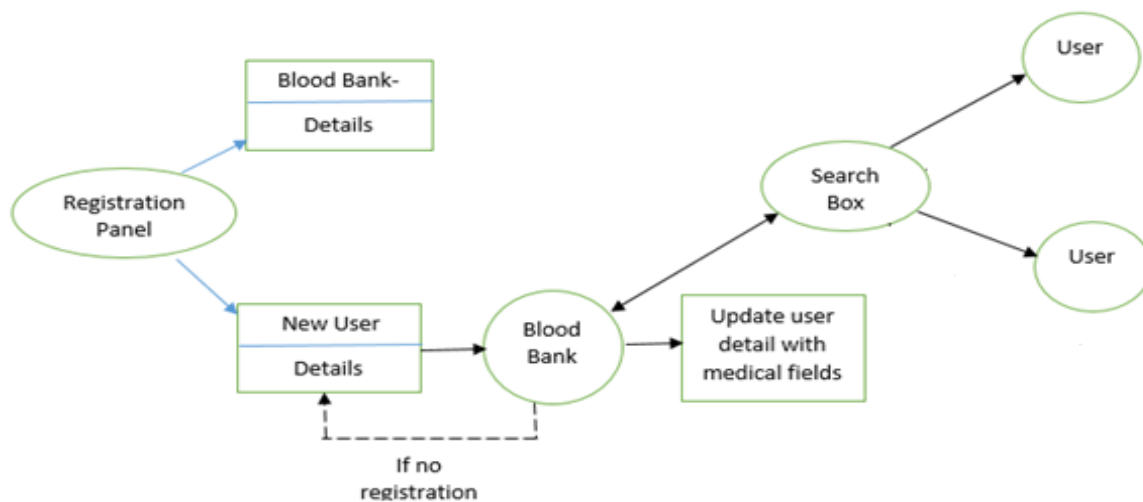
- 1) This project offers user to enter the data through simple and interactive forms.
- 2) The user is mainly more concerned about the validity of the data, whatever he is entering.
- 3) User is provided the option of monitoring the records he entered earlier.
- 4) Data storage and retrieval will become faster and easier to maintain because data is stored in a systematic manner and in a single database.
- 5) Easier and faster data transfer through latest technology associated with the computer and communication.
- 6) Through these features it will increase the efficiency, accuracy and transparency.

Proposed System:

The proposed Blood Bank management system helps the people who are in need of a blood by giving them all details of blood group availability or regarding the donors with the same blood group.

The people in need of blood can search for the donors by giving their blood group and city name. It saves time as he can search donors online without going anywhere. Using this system user can get blood in time and can save his relative or friend life. Our website work 24x7 so user can get information of blood donor any time. Blood donor can also get registered and save life of other person. The main benefit of this system is the information of available blood group. When blood is need in the operation then people have very less time to get the blood available so if he get the information like who can give him blood in time in his city is lifesaving. And here our system work, whenever a person need blood he get information of the person who has the same blood group he needs.

Block Diagram of the Proposed System:



Advantages & Disadvantages:

Advantages:

- 1) This is very helpful for the client to enter the desired information through so much simplicity.
- 2) There are checks on every stages of any new creation, data entry or updation so that the user cannot enter the invalid data, which can create problems at later date.
- 3) We can say that the project is user friendly which is one of the primary concerns of any good project.+
- 4) Allocating of sample results becomes much faster because at a time the user can see the records of last years.

Disadvantages:

We can implement it in future scope.

Application Areas:

- 1) Blood Donation Camp & Camp Organizer Management.
- 2) Blood requisition and issuance of blood.
- 3) Online transfer of blood from one blood bank to another.
- 4) Donor Management - Donor Registration, managing donor database, recording their physical and medical statistics.
- 5) Camp Wise Donor List and Printing of Donor Cards

Software, Hardware & Test Data Requirements:**Software Requirements:**

Table Software Requirements

Platform	Windows XP
Language	PHP
Mobile Client	Android
IDE/Tool	Eclipse IDE

Hardware Requirements:

Table Hardware Requirements

Processor	Pentium IV
RAM	64 MB
Storage	20 GB
Mobile Phone	Android Phone
Monitor	15"

Project Plan:

Table Project Plan

Month	Schedule	Project task
August	1 st Week	Project Inception
	3 rd Week	Project Feasibility Check
	4 th Week	Project Information Collection
September	1 st Week	Literature Survey
	2 nd Week	Report Writing
	3 rd & 4 th Week	To Document Abstract of Project
October	1 st & 2 nd Week	To Document Software Requirement Specification
	3 rd Week	Designing & Modelling
	4 th Week	To Integrate all modules of Project
December	3 rd Week	To implement Coding for Project
	4 th Week	Unit Testing & Integration Testing
January	1 st Week	To implement GUI interface
	2 nd Week	UML diagrams
February	1 st Week	Fixing any Bugs found
	2 nd Week	Conclusion

References

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