

WEB BASED BLOOD DONATION MANAGEMENT SYSTEM

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1. INTRODUCTION

INTRODUCTION

- Helping People In Need Has Always Been One Of The Most Important Morals In Our Society And Donation Is One Of The Way Through Which People Help Others In Huge Numbers.
- Donation Provides People With An Simple Way Of Helping Others.
- The Blood Donation Management System Doesn't Store Blood However It Stores The Data About The Blood Or All The More Accurately We Can Say It Store The Data Of The Blood Available In The Specific Area.

MOTIVATION

- Recipients Can Get Blood Easily.
- Donors Can Also Donate Blood Easily By Checking The List Of Blood Donation Camps.

OBJECTIVES

- Can Find Required Details Instantly
- Provides Details Of Donor
- Manage Blood Group Details

LIMITATION EXISTING SYSTEM

- In This The Registration Should Be Done Manually, Which Is Time Consuming.
- The Donar Is Provided With Donar Id, However Possessing A Physical Card Comes With Drawbacks Such As Loss Or Damage.
- Donar Cannot Update The Information By Themselves, But Must Contact The Blood Bank Center To Update Their Information
- Hospital Request Or Update Take Time.

2. PROPOSED SYSTEM

INTRODUCTION TO PROPOSED SYSTEM

- The **Web Based Blood Donation Management System** Is Designed For Any Donor Or Hospital To Replace Their Existing Manual Paper Based System.
- The New System Is To Control The Information Of Donor And User. Like Donor Information, Donor Availability, Donor Request And Etc.
- These Services Are To Be Provided In An Efficient Manner, Cost Effective, With The Goal Of Reducing The Time And Resources Currently Required For Such Task.

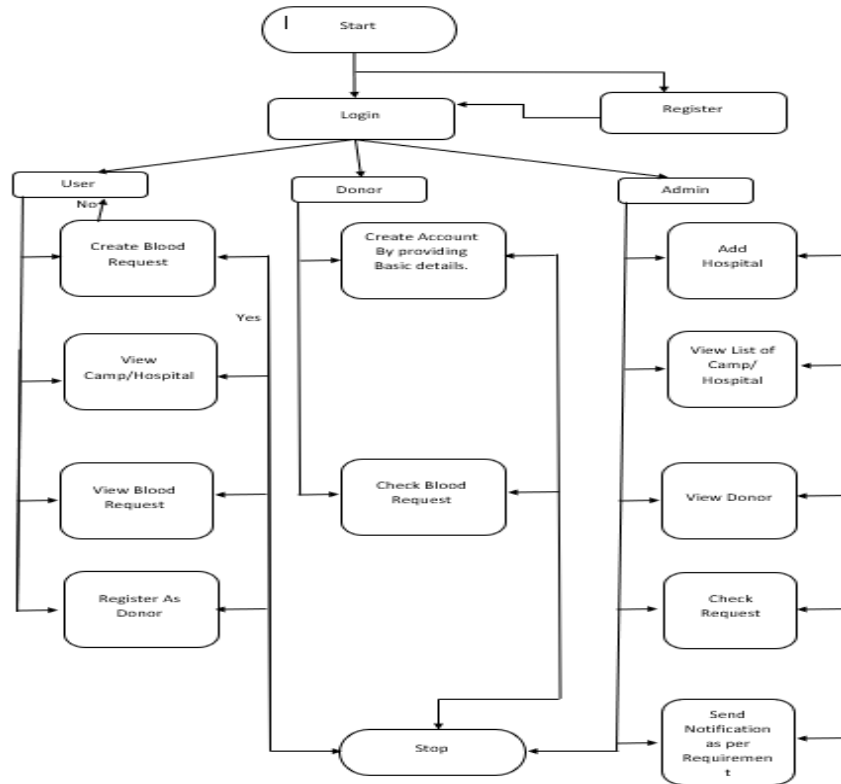
ADVANTAGES

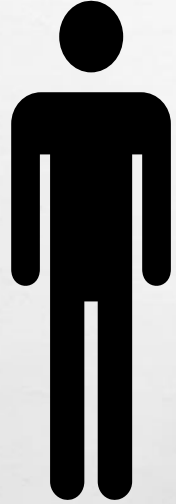
- Recipients Can Get Blood Easily.
- In Case Of Emergency, If The Blood Group Is Rare, He/She Can Find For The Certain Blood Group Donor.
- Donors Can Also Donate Blood Easily By Checking The List Of Blood Donation Camps.

DIS-ADVANTAGES

It Requires Active Internet Connection.

FLOW CHART





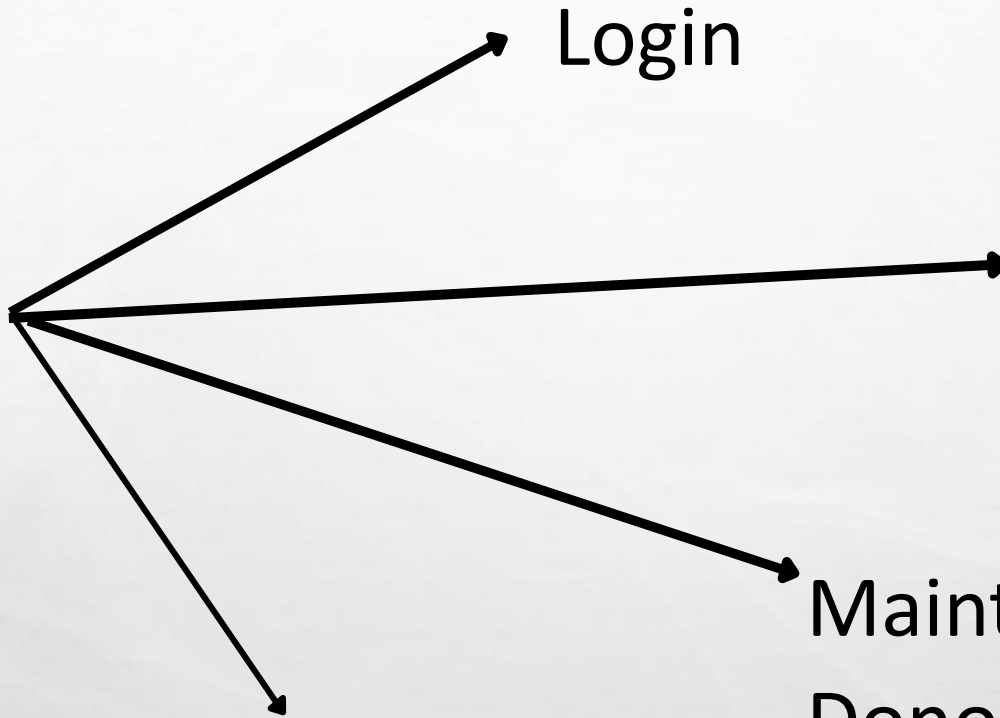
Admin

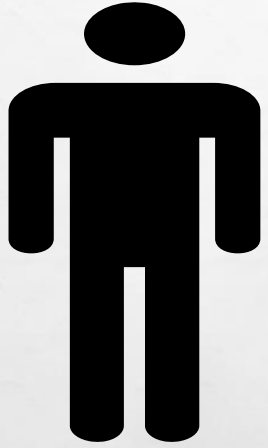
Login

Maintain
Blood Details

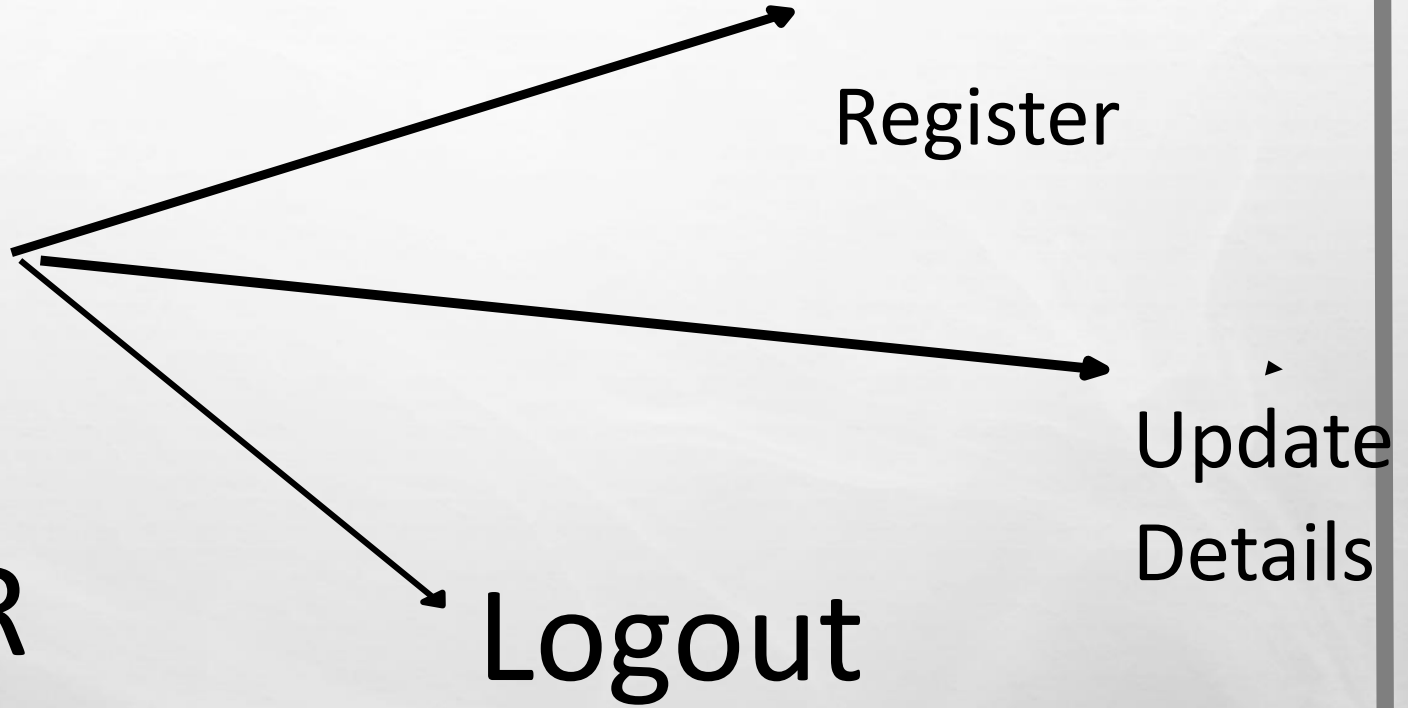
Maintain
Donor Details

Logout





DONOR



DETAILS OF TECHNOLOGY TO BE USED

HARDWARE REQUIRED

- PROCESSOR –CORE I3
- HARD DISK – 160 GB
- MEMORY – 1GB RAM
- MONITOR

SOFTWARE REQUIRED

- **WINDOWS 7 OR HIGHER :** OPERATING SYSTEM
- **PYTHON :** PYTHON IS A COMPUTER PROGRAMMING LANGUAGE OFTEN USED TO BUILD WEBSITES AND SOFTWARE, AUTOMATE TASKS, AND CONDUCT DATA ANALYSIS. PYTHON IS USED FOR WEB DEVELOPMENT, AI, MACHINE LEARNING, OPERATING SYSTEMS, MOBILE APPLICATION DEVELOPMENT, AND VIDEO GAMES.

SOFTWARE REQUIRED

- **HTML :** THE HYPERTEXT MARKUP LANGUAGE OR HTML IS THE STANDARD MARKUP LANGUAGE FOR DOCUMENTS DESIGNED TO BE DISPLAYED IN A WEB BROWSER.
- **DJANGO FRAMEWORK :** DJANGO IS A HIGH-LEVEL PYTHON WEB FRAMEWORK THAT ENABLES RAPID DEVELOPMENT OF SECURE AND MAINTAINABLE WEBSITES.

SOFTWARE REQUIRED

■ **MYSQL DATABASE :** MYSQL IS AN OPEN SOURCE RELATIONAL DATABASE MANAGEMENT SYSTEM. IT STORES THAT INFORMATION IN SEPARATE “TABLES” AND CONNECTS IT WITH “KEYS”, WHICH IS WHY IT'S RELATIONAL.

3.CONCLUSION

CONCLUSION

This Blood Bank Management System Gives A Reliable Platform For Both Donors And Acceptors. It Is A Web-based Application That Helps To Minimize Human Errors And Problems Pertaining To Data Redundancy.

4. REFERENCES

REFERENCES

[1] <https://shsu-ir.tdl.org/shsu-ir/bitstream/handle/20.500.11875/1164/0781.pdf?sequence=1>

[2] <https://ieeexplore.ieee.org/document/620829/>

[3] <https://ieeexplore.ieee.org/document/4679917/>