Blood Donor Web Portal

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Abstract- **The objective is to develop a system through which a user can communicate and access information about a particular blood donors or blood providing organizations. For suppose Red Cross Society is an organization which provides blood for the peoples and any organizations. Through our Application we provide the details of the blood donors and details of the blood providing organizations like hospitals, clinics and blood banks. For this we maintain the centralized database to preserve the details of the blood donors and organizations. Through our website we can give the suggestions to the particular donor or organizations. Our website also provides any common people to join as a donor.**

Index Terms- **Blood donor, Blood banks, Donor, Blood organizations, Blood central database management.**

INTRODUCTION

The objective is to develop a system through which a user can communicate and access information about a particular blood donors or blood providing organizations. We maintain the centralized database to preserve the details of the blood donors and organizations. Through our website we can give the suggestions to the particular donor or organizations. Our website also provides any common people to join as a donor. It is internal project of a software company. This is a project dealing with the computerization of services of Blood donor portal. In this project a user can communicate and access information about a particular blood donors or blood providing organizations. In present system it is difficult to coordinate the details of a blood donors or any blood providing organizations. Often to get the details of the donors or any blood providing organizations we have to go for the manually or we have to search in the magazines but it is time consuming process and takes the much effort also, so we can't get the details of donors or organizations with in a quick time. Donors can't interact with some organizations. The proposed system maintains a centralize database to store information related to blood donors and blood providing organizations. The system maintains means it coordinates the details of donors and organizations at one place. The system allows one to access the information about the particular donors or organizations. Nonusers can interact with our system and they can get the details of the donors and organizations. Through our system the nonuser can also become as a donor. To provide flexibility to the users, the interfaces have been developed that are accessible through a browser. The GUI'S at the top level have been categorized as
1. Administrative user interface
2. The operational or generic user interface

The 'administrative user interface' concentrates on the consistent information that is practically, part of the organizational activities and which needs proper authentication for the data collection. These interfaces help the administrators with all the transactional states like Data insertion, Data deletion and Date updating along with the extensive data search capabilities. The 'operational or generic user interface' helps the end users of the system in transactions through the existing data and required services. The operational user interface also helps the ordinary users in managing their own information in a customized manner as per the included flexibilities.

The project has been divided into 5 different modules:
1. Administrator
2. Donor
3. Organizations
4. Non-user

Administrator:
The entire application will be maintained by the Administrator. He can only add the New States, New Cities, New Blood Groups and Organizations into Blood Donor Portal. He can view the all details of the donors and organizations and he can also send the suggestions to both of the donors and organizations. He can update, delete the profile details of the website. The Administrator will give the permissions

for donors and organizations to login into our website.

Donor:

The Donor is a person that who is ready to donate the blood, so first he has to be register in Blood Donor Portal by specifying his name, contact number, blood group and last donation date etc. He can view the suggestions of admin and the other donors in the Portal that which are send to him. He can also send the suggestions to the Admin and other Donors.

Organizations:

If any Organization wants to give the existence to the people those who need the blood then the Organization must interact with the Administrator, so the Administrator will provide the Id and Passwords to particular Organization by adding it into Blood Donor Portal website.

Here the Organizations are that may be a Hospitals, Blood Banks and Clinics which are involved in our application. Our website maintains the all details of the Organizations. By these the non-user can easily find out the details of the particular organizations and later he can contact with the organizations by their details.

Non-user:

The Non-User is the person that who needs the blood. The Non-User can search the Blood Donor By specifying proper State, City and the Blood Group in our Website.

He can also search any organizations like Hospitals, Blood Banks and Clinics by specifying their details. If the Non-User wants to become as a donor then he can register into our website. The Non-User can be sending any quire's to the Administrator.
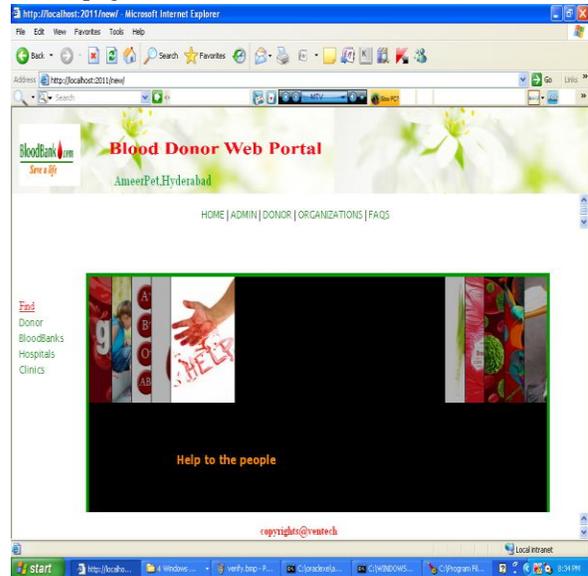
Architecture Diagram:
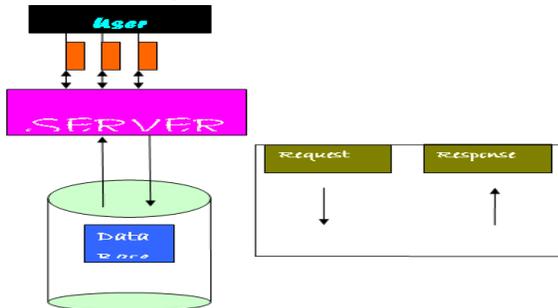
Proposed algorithm:-

It is internal project of a software company. This is a project dealing with the computerization of services of Blood donor portal. In this project a user can communicate and access information about a particular blood donors or blood providing organizations.
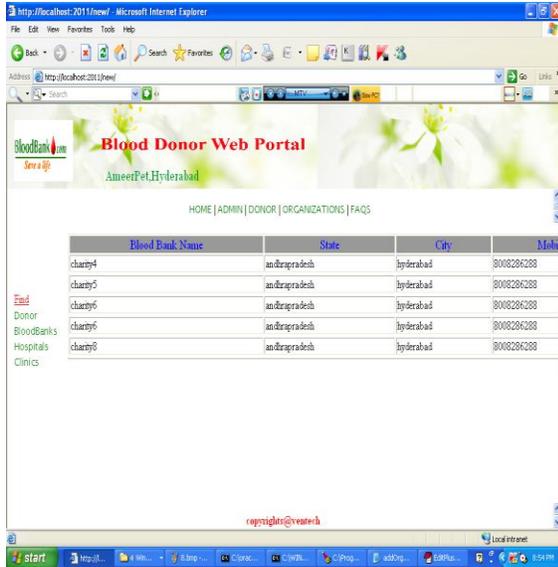
Screenshots:-
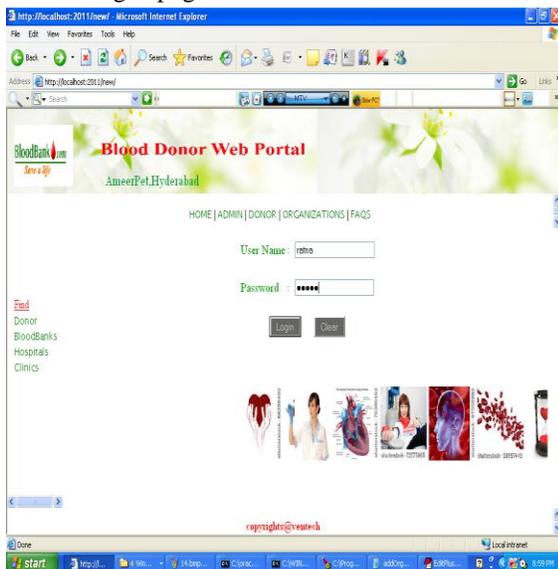
Home page:

Viewing donor page:
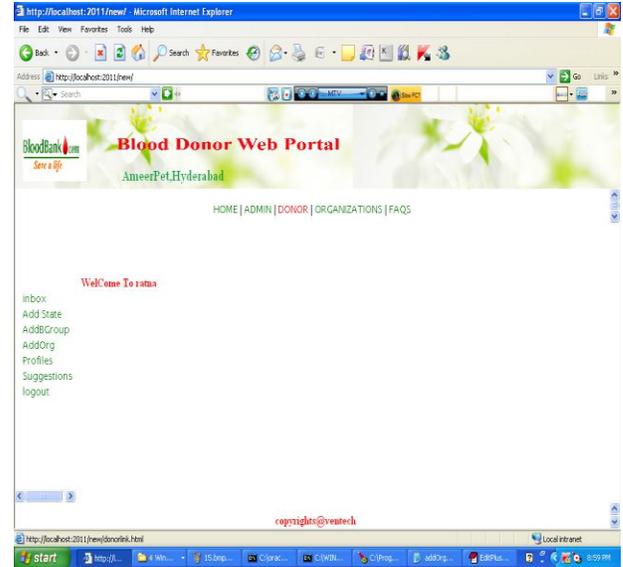

Viewing blood banks page:
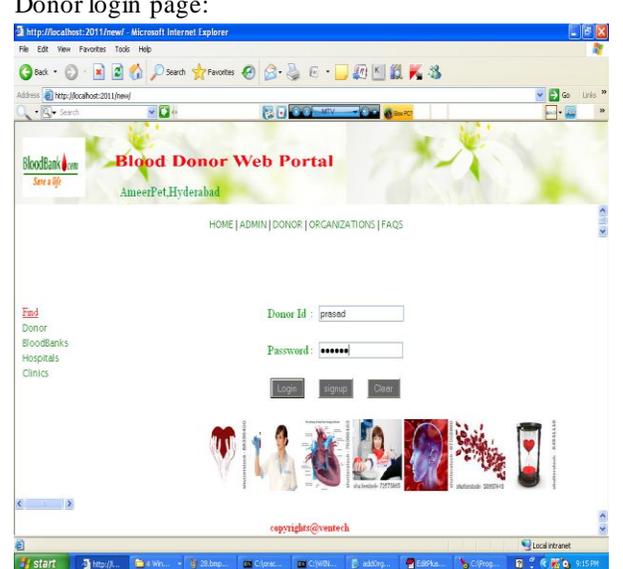
Viewing hospital page:

Admin Login page:

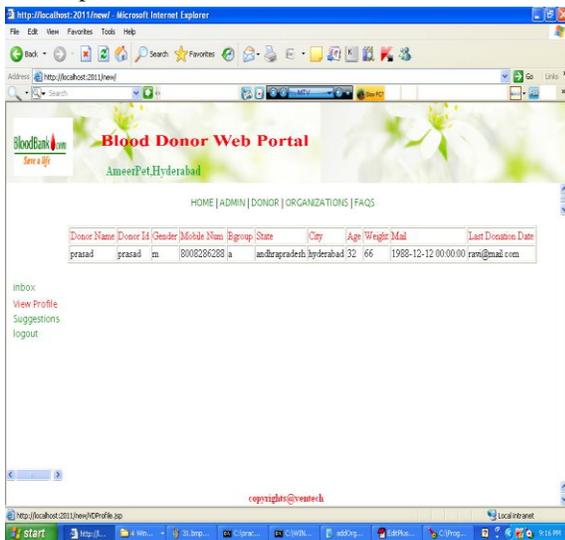Admin home page:

Admin inbox:

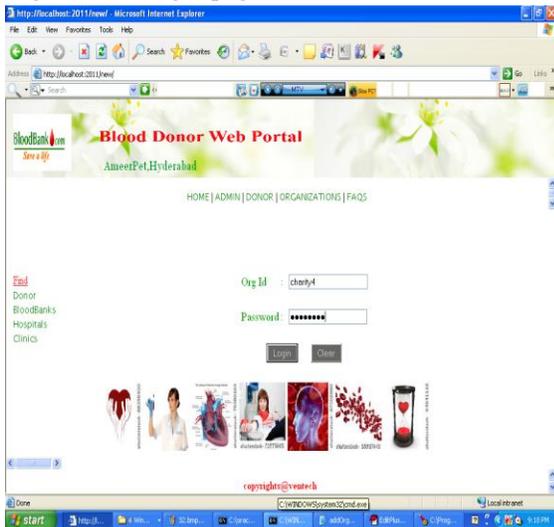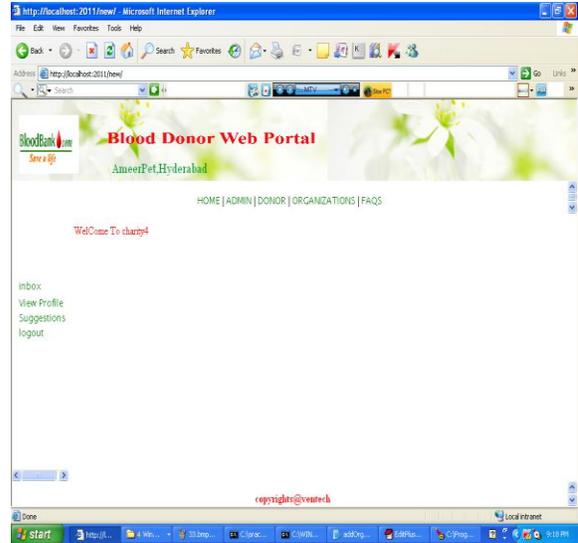

Donor login page:

Donor inbox:

Donor profile:-

Organization login page:-

Org home page:-

CONCLUSION

The main objective of this project is act as a mediator between who want to donate blood (individual, organizations) and who needs blood. The main purpose of this project could be divided into two roles. One role, people who want to donate blood, those people (it may be individual or organization) register into this site. So, it would be useful to people who needs blood. Second role, people who needs blood, visit this site and find details of donor and organizations.

REFERENCES

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