

COMSATS



Project Proposal :

SUBMITTED TO: DR. ABDUL NASIR KHAN

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PROJECT TITLE: BLOOD BANKING SYSTEM

Introduction:

The proposed project aims to develop a Blood Banking System application with a graphical user interface (GUI) to facilitate the management and tracking of blood resources. The system will consist of classes: Bloodbankform, Selection, Registration, Login, Donnerdata, Admin, ALogin. and AcceptorData. The application will provide a user-friendly platform for blood banks, donors, and recipients to interact and streamline the blood donation process.

Classes with Attributes and Function:

Attributes of the Donor:

Name: The name of the donor

Blood Type: The blood type of the donor (e.g., A+, B-, O+).

Contact Information: Phone number of the donor.

Address: Address of the donor.

ID: A particular username or Id for donor.

Password: A particular password for donor.

Age: Age of the donor.

Quantity: No. of bags a donor wants to donate.

Attributes of the Acceptor:

Name: The name of the acceptor.

Blood Type: The blood type of the acceptor (e.g., A+, B-, O+).

Contact Information: Phone number of the acceptor.

Address: Address of the acceptor.

ID: A particular username or Id for acceptor.

Password: A particular password for acceptor.

Age: Age of acceptor.

Date: Date at which acceptor obtained the blood.

Functions of Donor:

Register as Donor: Allows individuals to register as blood donors by providing their personal information.

Blood Availability: Enables donors to update their availability status for blood donation.

Blood Donation: Allows the donor to donate the blood to acceptor.

Submit: Enables the donor to submit data.

Functions of Acceptor:

Register as Acceptor: Allows individuals in need of blood transfusions to register their requirements.

View Matching Donors: Displays a list of potential donors who match the acceptor's blood type and location.

Get Blood: Allows the acceptor to obtain blood from donor.

Submit: Enables the acceptor to submit data.

Functions of Admin:

View Donors: Allows the admin to view list of Donors.

View Acceptors: Allows the admin to view list of acceptors.

Search for Donor and Acceptors: Allows the donor to search for the details of donors and acceptors.

Delete Donors and acceptors: Allows the admin to delete the entries of Donors and Acceptors.

Search and delete blood Transfusion history: Enables the admin to search, view and delete blood transfusion history.

Functions of Login:

User Authentication: Validates the entered username and password to grant access to the system..

Account Creation: Allows new users to create an account by selecting a username and password.