Ahsanullah University of Science and Technology (AUST)
Department of Computer Science and Engineering

Project Proposal

Course No.: CSE4126

Course Title: Distributed Database Systems Lab

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Blood-Bank Donation System

Introduction
The main purpose of developing this system is to provide information of donors to the people who are in need of blood. Everyday people require blood of different groups at any circumstances. By using this system an user can search a blood group and can also get the contact information of the donors who has the same blood group needed. This system can provide information of available donors. When blood is urgently needed , people often don't have too much time to search for blood. So using a system like this can ease the searching hassles.

Database Schema
DONOR (DID, Dname, Dage, Dgender, Dbloodgroup, Darea, Daddress, Dphonenum)
RECIPIENT (RID, Rname, Rage, Rgender, Rbloodgroup, Raddress, Rphonenum, DID)
BLOOD_INFORMATION (DID, bagnumber, heamoglobin, platelets)
DONATION_INFORMATION (DID, donationnumber, amount, hospital)

Necessity of distributed database in this project:
Different system/site has their own database and database administrators. Database administrators can easily communicate with one system to another system which is easy to maintain. If one system fails down or not working for some time another system can complete the task and available to serve the client request.