

## Sample Project Final Report

### Course Information

**Course:** CSE 480 Web Database Programming (Sections 1)

**Instructor:** Abdus Satter, Adjunct Faculty, CSE Dept.

### Project Name

<b>Title of Project</b>	Blood Bank Management System
<b>Student (ID &amp; Name)</b>	ABCD KHAN (2019-1-60-100)

### Project Purpose

The purpose of the blood bank management system is to simplify and automate the process of searching for blood in case of emergency and maintain the records of blood donors, recipients, blood donation programs and blood stocks in the bank.

### Project Goals and Objectives

The goals and objectives of the Blood Bank Management System are as follows:

1. To allow the probable recipients to make search and match the volunteer donors, and make request for the blood.
2. To provide an efficient donor and blood stock management functions to the blood bank by recording the donor and blood details.
3. To provide synchronized and centralized donor and blood stock database.
4. To provide immediate storage and retrieval of data and information.

### Project Description

The system that is going to be developed is Blood Bank Management System (BBMS). This is a database application system that is to be used by the blood banks or blood centers to search blood on emergency in the Blood Bank. The system keeps the record of all the donors, recipients. This system also has the ability to keep track of the donor's donation records and the blood stock in the blood bank. This project intends to computerize the blood and donor management system in a blood bank in order to improve the record management efficiency due to the grown size of records of data.

## Scope

As a whole the system is focused to work with blood bank management system and on additional modification it can be also used as management systems of similar organizations.

## System Users

- **Administrators:** Has full privilege on the system's functions
- **Staffs of Blood Bank:** Has privilege on the system's functions as assigned by the administrator

## Database

A complete ER Diagram.

## Processes

- **Login:** The system provides security features through username-password matching where only authorized user can access the system with different authorization level. <Screen Shot>
- **Donor Profile Registration:** This allows healthy public to register as volunteer donor. <screen shoot>
- **Blood Stock Management:** The blood bank staffs can manage the blood stock starting from the blood collection, to blood screening, processing, storage, transference and transfusion through this system. Each process or work-flow can be traced from the database. The system will also raise alert to the staff whenever the blood quantity is below its par level or when the blood in stock has expired. <screen-shot>
- **Donor/Recipient Management:** The records of all donors/recipient and their history are kept in one centralized database and thus reducing duplicate data in the database. The record of donation is maintained by the system. <screen-shot>

## Technology

**Frontend Language:** PHP

**Backend Language:** MySql Database