Project Report

CSE 311L Database Management System
Section 9

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North South University

Submitted to: Sajid Ahmed

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Project Name:

Blood Bank Management System

Description:

We have developed an online blood bank management system that helps in managing various blood bank operations effectively. Here, the person in need of blood and the person willing to donate blood have to register themselves. After registration, the system allows one to check whether required blood deposits of a particular group are available in the blood bank. Moreover the system also has the list of donors and their information stored for easier searching of available donors when in emergency need for blood.

Technologies used:

1. MySQL and XAMPP: The database named BBMS and all the tables in it were created using MySQL.
2. CSS: Designing elements in the homepage have been added using CSS.
3. PHP: Connection between the webpage and database has been made using PHP.
4. MS Word: The project proposal and project report have been written using MS Word.
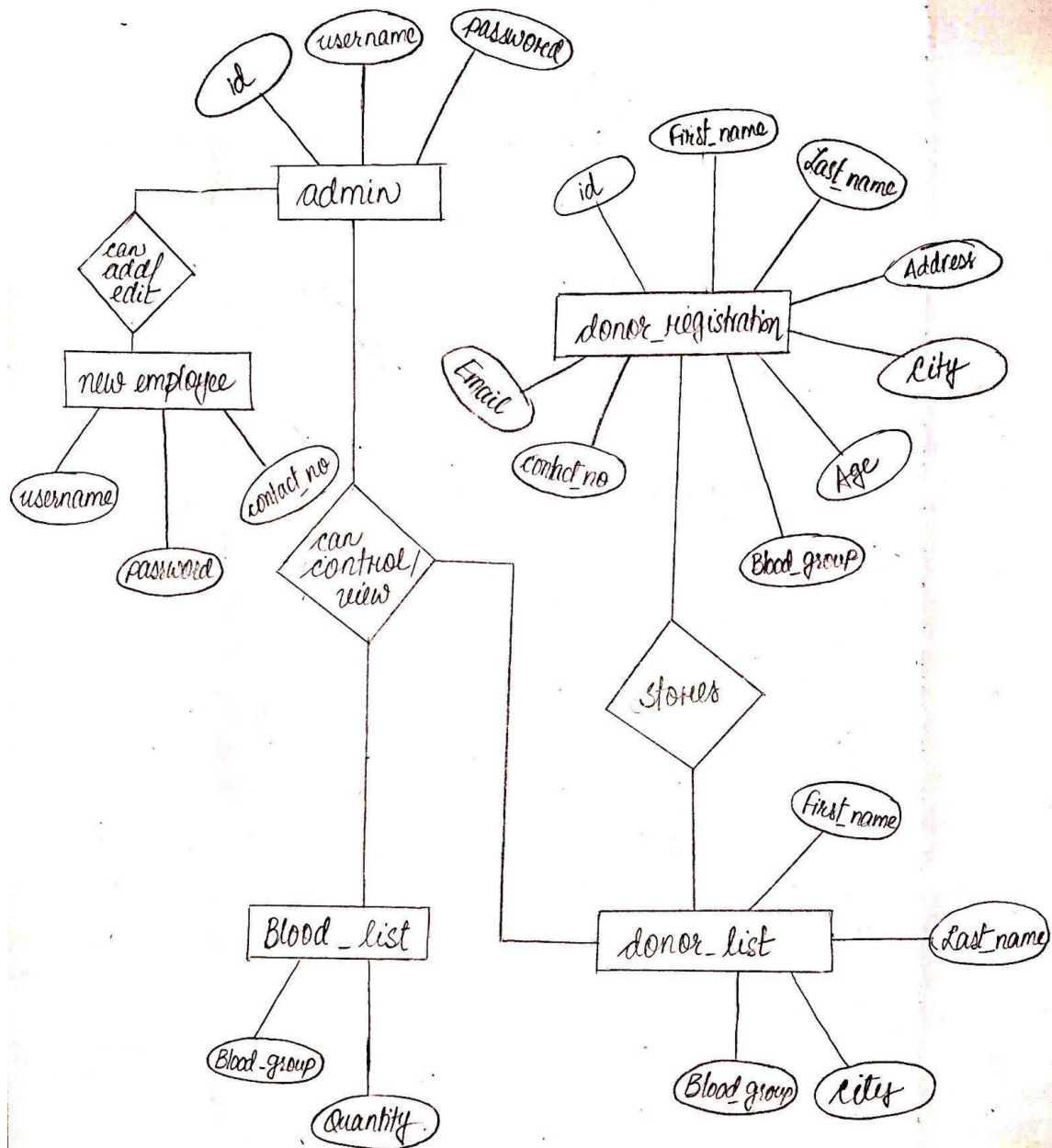
Work division and contribution:

Sumaiya	Sneha
- Wrote project proposal - Wrote PHP codes - Created database - Wrote project report - Created parts of frontend and backend	- Created git repository - Created database - Designed homepage - Created parts of frontend and backend - Wrote PHP codes

References:

- https://www.w3schools.com/php/DEFAULT.asp
- https://www.w3schools.com/css/default.asp
- https://nevonprojects.com/online-blood-bank-project/
- https://www.youtube.com/watch?v=BRJQAM7BEhM&t=5s

ER Diagram and UML Diagram:

ER Diagram :

admin — id, username, password

can add/ edit

new employee — username, password, contact_no

can control/ view

donor_registration — id, First_name, Last_name, Address, city, Age, Blood_group, contact_no, Email

stores

Blood_list — Blood_group, Quantity

donor_list — First name, Last_name, Blood_group, city

UML Diagram:

admin
- id
- Username
- password

blood_list
- Blood_group
- Quantity

donor_registration
- id
- First_name
- Last_name
- Address
- City
- Age
- Blood_group
- Contact_no
- Email

donor_list
- First_name
- Last_name
- City
- Blood_group

new employee
- username
- password
- contact no