Project Proposal
CSE 311L
Database Management System
Section 9

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North South University

Submitted to: Sajid Ahmed

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Project Name: Online Blood Management System

Introduction:
We are making a user-friendly webpage that records and manages the blood donation process, user and donor registration and data management of other related information.

Aim:
Our goal is to create an online blood management system which will create an online platform for blood donors and people who are in need of blood.

Features:
- The website will contain registration option for both Blood seekers and donors. Those who're looking for blood and those who're willing to donate blood can register.
- After registration, users (donor & seeker) can log in for further details using their user id and password.
- The date of registration will be stored in database.
- Those who're in need of blood can look out for available donors, their information and availability of blood they're looking for.
- A donor can log in and see if someone needs blood and if they can provide.
- There will be an admin panel who'll monitor and authorize all data and information of the website. The website will contain information about admins. But only the admins will be able to see that.
- The admin body will have one or more managers who supervises them.
- Admins will have their own login for the website.

Technologies:

1.**MYSQL & XAMPP-** We will be making the database for this project using MySQL.
2.**HTML-** The frontend of the webpage is structured using HTML.
3.**CSS-** Styling elements have been added to the webpage using CSS.
4.**Bootstap-** Open source CSS framework
5.**PHP-** we will use PHP in the backend so that our webpage connects with the database and functions smoothly.
6.**MS Word**- MS Word is used to make the proposal of the project also other required messages and information.

Optional:
1. Javascript, jQuery, Laraval, Datatable, template for the website.

ER Diagram of the project:
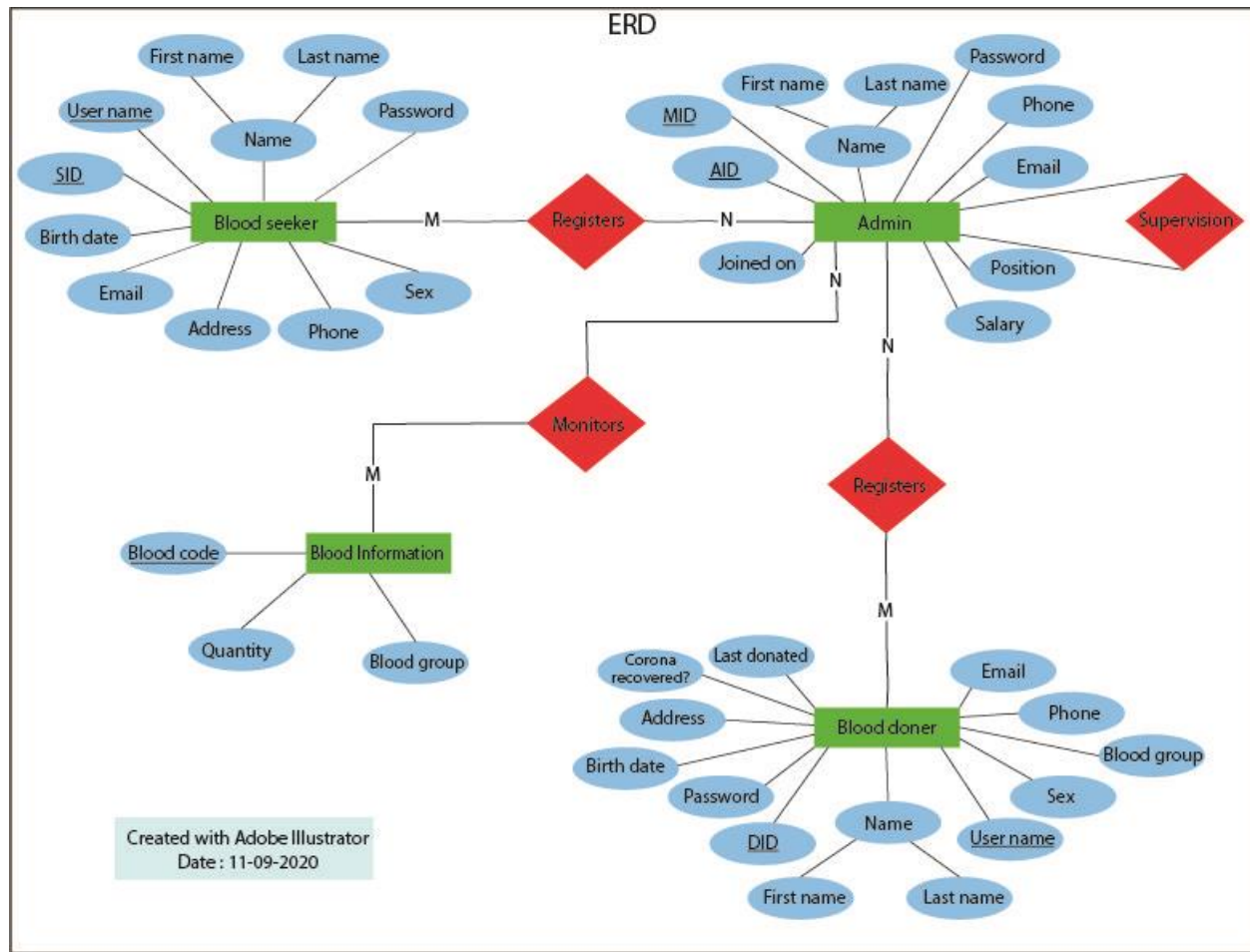
Schema diagram for the project:

Seeker

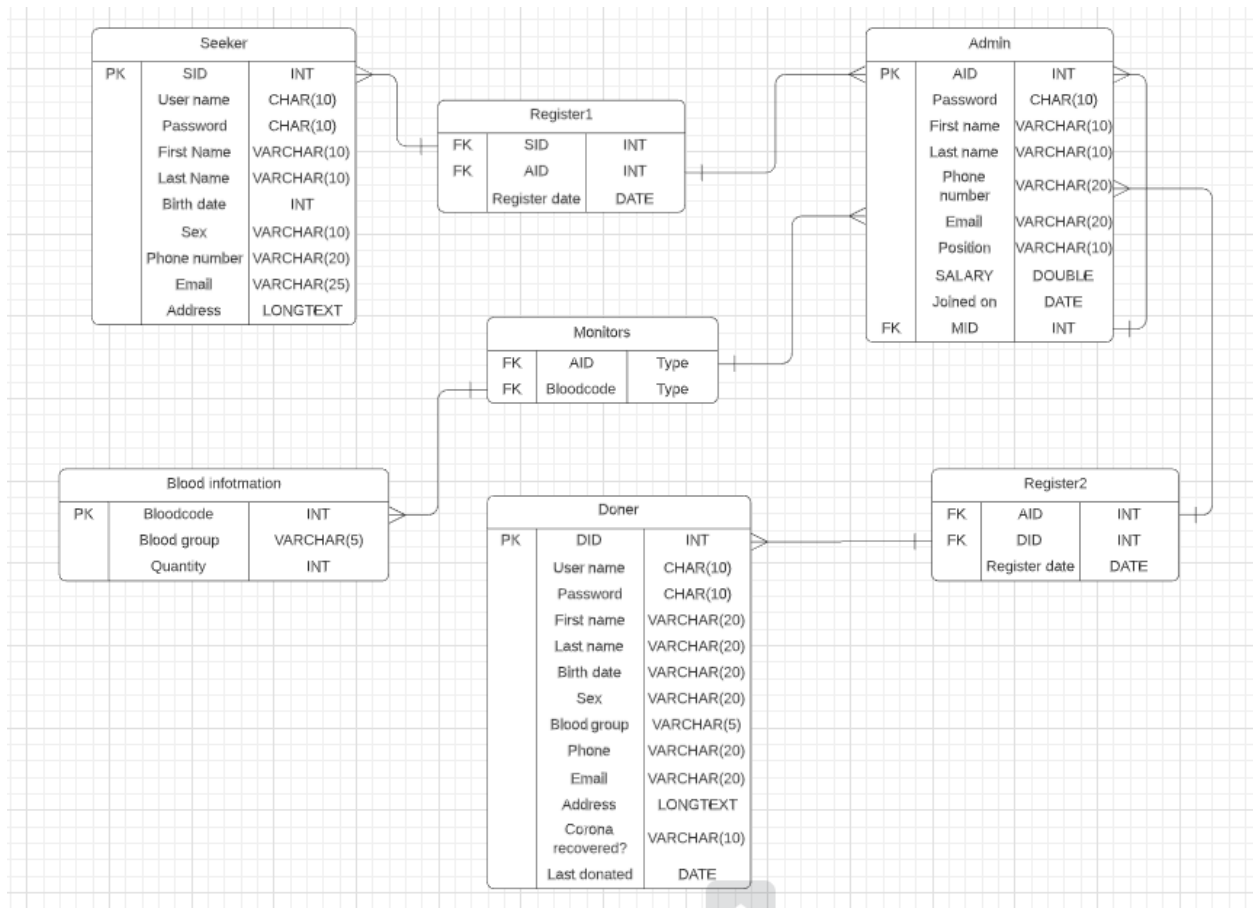| PK	SID	INT
	User name	CHAR(10)
	Password	CHAR(10)
	First Name	VARCHAR(10)
	Last Name	VARCHAR(10)
	Birth date	INT
	Sex	VARCHAR(10)
	Phone number	VARCHAR(20)
	Email	VARCHAR(25)
	Address	LONGTEXT

Register1

FK	SID	INT
FK	AID	INT
	Register date	DATE

Admin

PK	AID	INT
	Password	CHAR(10)
	First name	VARCHAR(10)
	Last name	VARCHAR(10)
	Phone number	VARCHAR(20)
	Email	VARCHAR(20)
	Position	VARCHAR(10)
	SALARY	DOUBLE
	Joined on	DATE
FK	MID	INT

Monitors

FK	AID	Type
FK	Bloodcode	Type

Blood infotmation

PK	Bloodcode	INT
	Blood group	VARCHAR(5)
	Quantity	INT

Doner

PK	DID	INT
	User name	CHAR(10)
	Password	CHAR(10)
	First name	VARCHAR(20)
	Last name	VARCHAR(20)
	Birth date	VARCHAR(20)
	Sex	VARCHAR(20)
	Blood group	VARCHAR(5)
	Phone	VARCHAR(20)
	Email	VARCHAR(20)
	Address	LONGTEXT
	Corona recovered?	VARCHAR(10)
	Last donated	DATE

Register2

FK	AID	INT
FK	DID	INT
	Register date	DATE

User case diagram for the project:

User Case Diagram

Blood seeker — Register, Login, Enter details

Admin — Login, View users, Authorize

Blood Doner — Register, Login, Enter details

Created by Adobe Illustrator(11-09-2020)