Green University of Bangladesh
Department of Computer Science and Engineering (CSE)
Faculty of Sciences and Engineering
Semester: (Spring, Year:2021), B.Sc. in CSE (Day/Eve)

Course Title: Web Programming Lab
Course Code: CSE 302 Section: DC

Lab Project Name: Web Based Blood Management System

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[For Teachers use only: Don't Write Anything inside this box]

Lab Project Status

Marks: …… **Signature: .....**

Comments: ..... **Date: .....**

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Chapter 1

Introduction

1.1 Introduction

Blood bank is a place where blood bag that is collected from blood donation events is stored in one place. The term “blood bank” refers to a division of a hospital laboratory where the storage of blood product occurs.

This Blood Bank Management System is a web-based system that will make it easier to donate blood or find blood for the people. This website is free to use. People will find is friendly to use. Easy to communicate the blood donors. No middle man needs here. So that, touter can’t harass people for money. This web-based system will connect donors and patients. So that, no one had to worry about “how to manage blood?”.

1.2 Design Goals/Objective

The percentage of people donating blood is increasing day by day due to awareness to donate blood for those needed. But most of the time, blood receivers and the donors can’t communicate each other easily. Blood receivers search so many hospitals and relatives for the blood. Sometime it becomes risky for the patient if the same blood grouped donor not be found.

So, the process of managing the blood bag that is received from the blood donation events needs a proper and systematic management. The blood bag must be handled with care and treated thoroughly as it is related to someone’s life. The development of Web-based Blood Bank Management System (BBMS) is proposed to provide a management functional to the blood bank in order to handle the blood bag.

By the proposed system

- Fast donors searching can be possible by matching blood group.
- User friendly UI.
- Donors can know if anyone need blood.
- Information about donors and blood needy peoples can be updated.
- Central database can be created as information using MySQL database.

Major goals of our project are,

- To Improve Blood donating non-Technical system.
- To avoid touts between donor and blood receiver.
- To improve donor searching process.

Chapter 2

Design/Development/Implementation of the Project

2.1 Methodology

Our System have three types of users,

1. **ADMIN**
   - Who have access to remove a user and reject blood needed request.
2. **DONOR**
   - Who can update his own status. So, the blood receiver knows available donors.
3. **BLOOD RECEIVER**
   - Who can search for donors for blood.

2.1.1 Current Structure

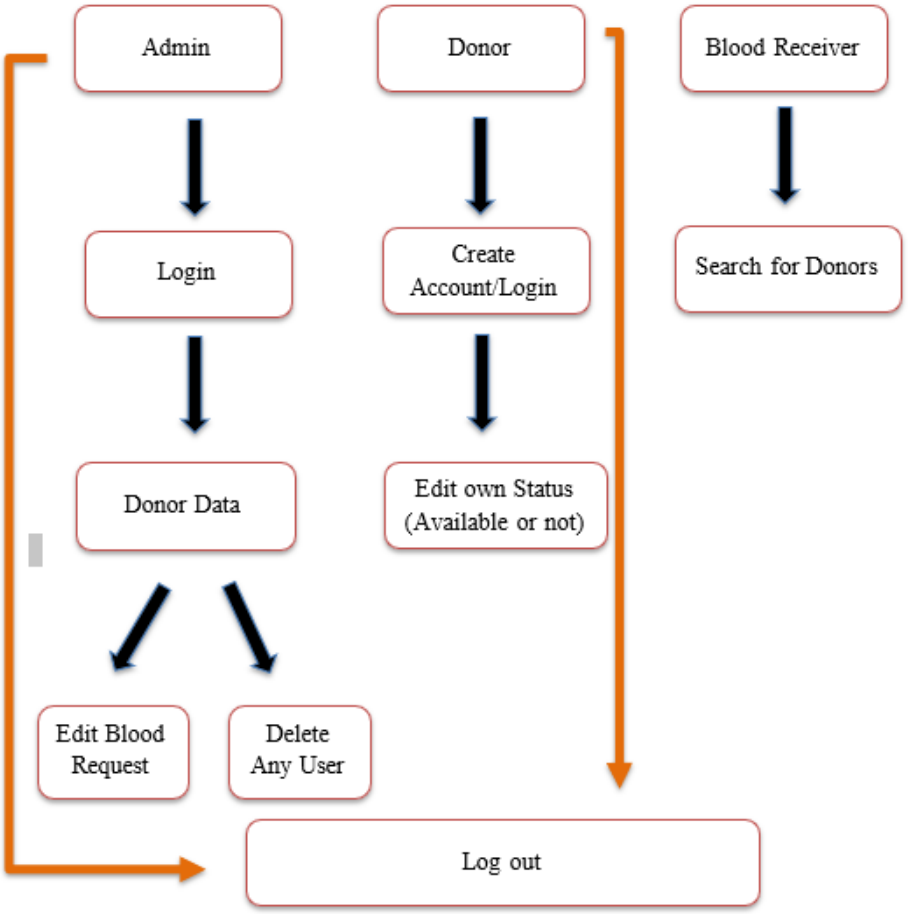

Figure 2.1: Current structure

2.1.2 Aimed Structure

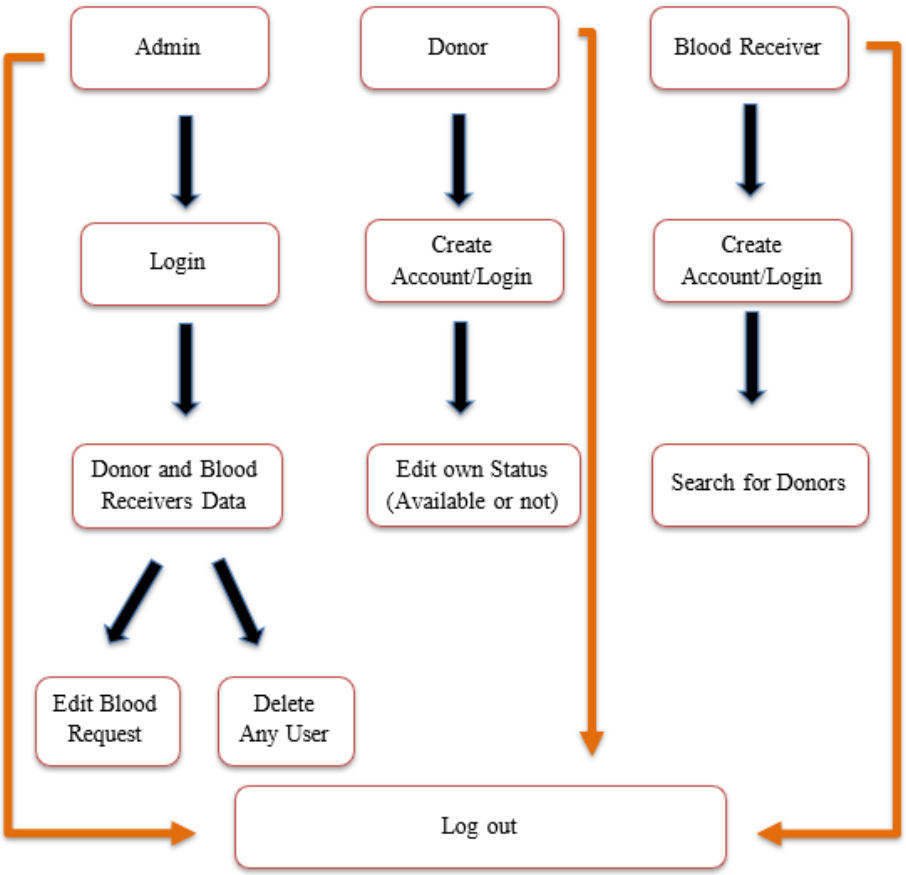

Figure 2.1: Previous structure

Chapter 3

Performance Evaluation

3.1 Simulation Environment/ Simulation Procedure

In this project, we will use Microsoft Visual Studio Code IDE to developed this and Chrome browser for testing the output of the project.
To develop this systems UI, we will use HTML, CSS and Js.

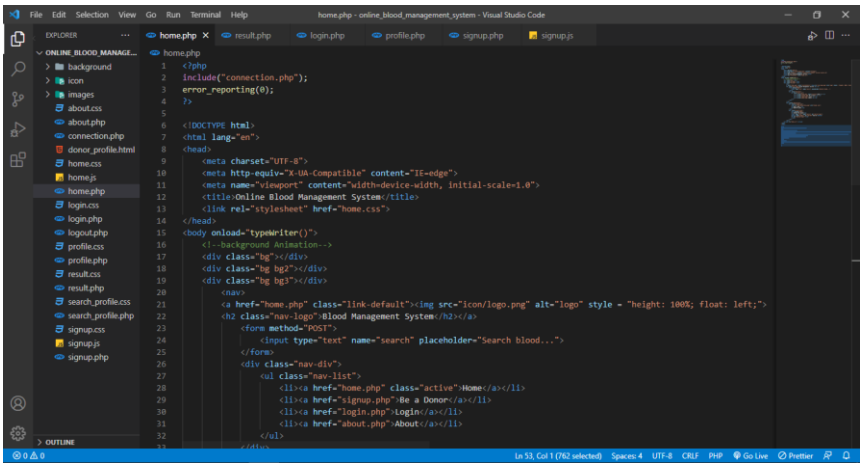

Figure 3.1: VS Code IDE

3.2 Results and Discussions

3.2.1 Result Pages

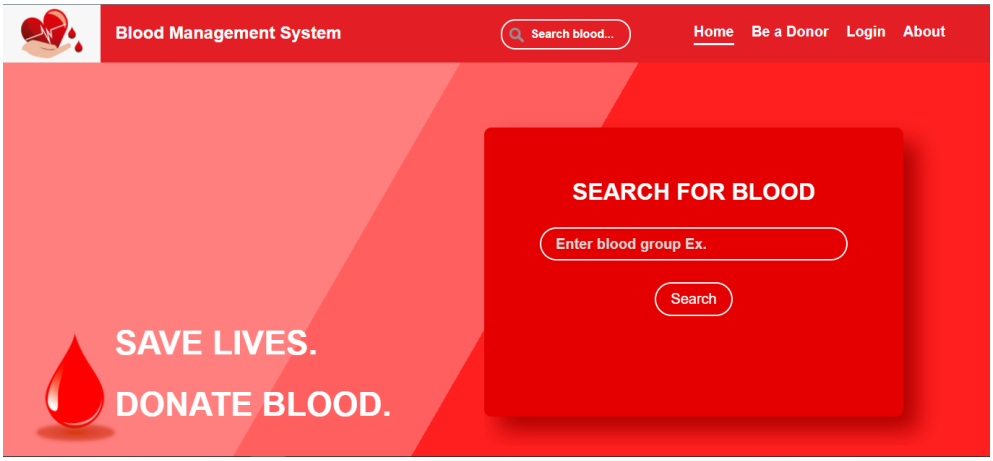

Figure 3.2: Home Page

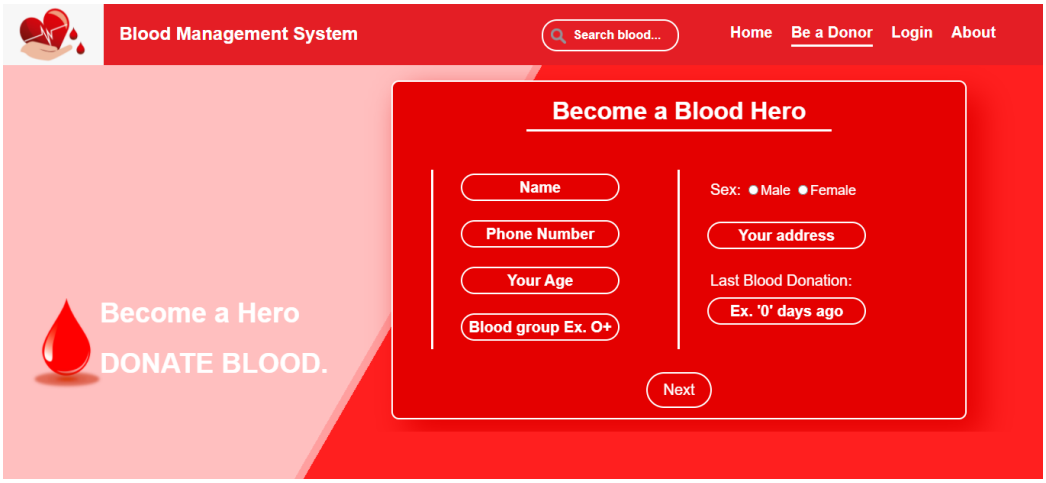

Figure 3.3: Registration Page

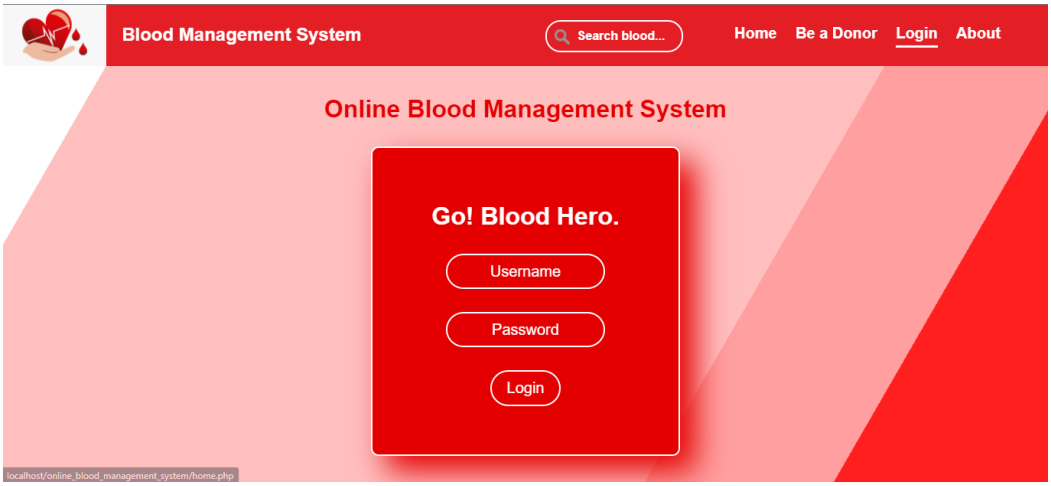

Figure 3.4: Login Page

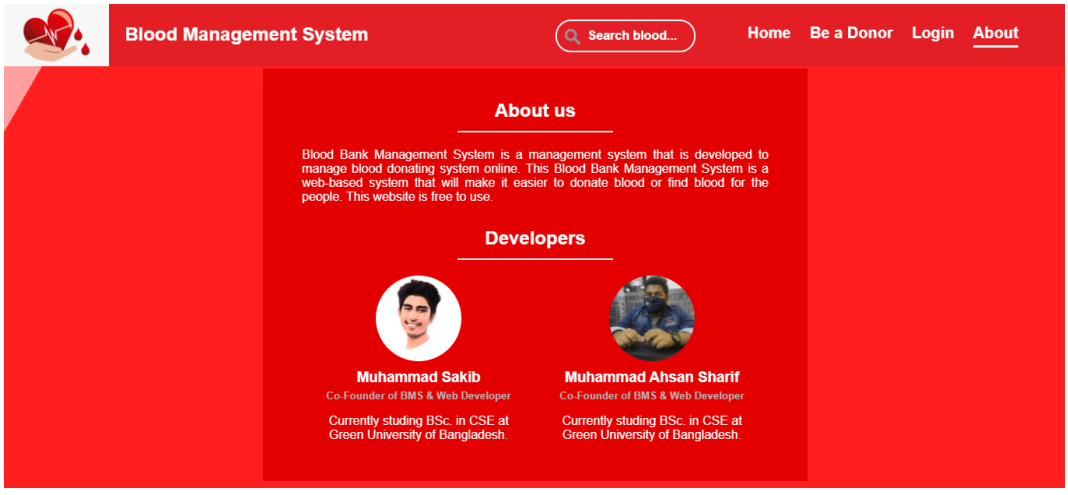

Figure 3.5: About Page

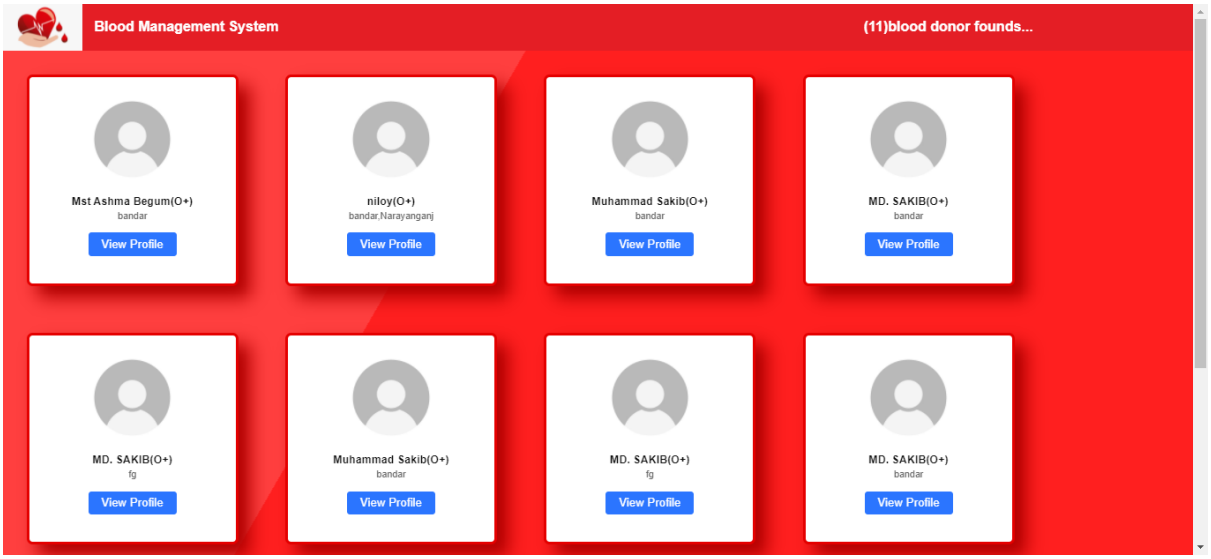

Figure 3.6: Searched Result

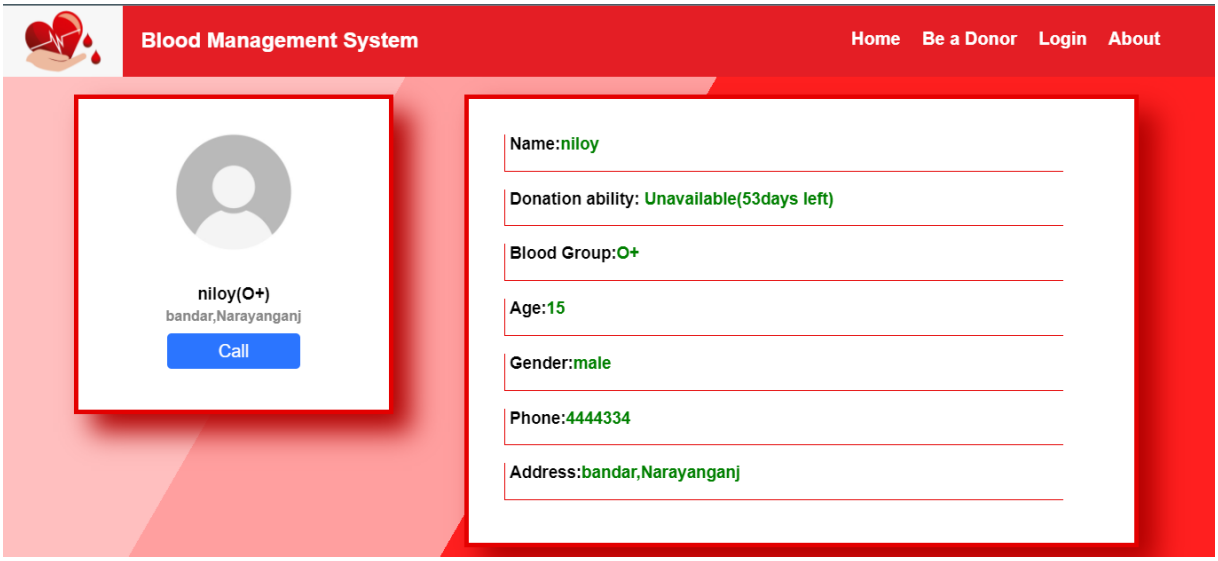

Figure 3.6: Donor's Profile

Chapter 4

Conclusion

4.1 Introduction

Blood Bank Management System is a management system that is developed to manage blood donating system online. The BBMS had been developed in accordance to donor and blood receiver requirement. This is to make sure that the management of the blood stock became effective, systematic and meeting user requirements.

4.1 Practical Implications

We will launch this project so that people can use and get help from it. The functional services will be provided in the current version are profile management and blood stock management. In the next phase we will develop a portable and modified BBMS version based on web. So that anyone with a smartphone or computer can access our system smoothly.

4.2 Scope of Future Work

This project can be use by Physical Blood bank agencies, by hospitals and other volunteer organizations who help people by donating bloods. And for user or any organization we can modify this project based on their needs.

References

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[3] https://www.geeksforgeeks.org/html-tutorials/

[4] https://www.w3schools.com/js/DEFAULT.asp

[5] https://www.w3schools.com/php/