

# Software Engineering Lab Project Proposal Report

CSE-0318 Summer 2021

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

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## I. INTRODUCTION

Blood banks play an important role in the process of collecting blood and other procedure such as managing blood stocks, approving blood request, updating donations and updating available blood types. Blood banks usually use manual system in managing their works. They are using manual process in keeping the records of blood donors, recipients, and blood donation program and blood stocks. This manual system of management is vulnerable in encountering problems especially in managing the donor's record it might be unsafe because of human errors and disasters. It is also a hassle to those who are in need of bloods to manually search and match donors in case of emergency. To address this problem, Blood Bank Management System is going to be developed. This system would serve as an online process for any blood transaction.

## II. LITERATURE REVIEW

September 2016 DOI:10.1007/978-3-319-35-  
212Conference : HCSE2015Volume :  
SpringerProceedingsinmathematics, vol.169Authors : 1 :  
SedaBasGure2 : GiulianaCarello(Politecnico di Milano)

## III. REQUIREMENTS

A) Stakeholders B) Data.

Stakeholders:(System Owner:The blood bank) and System users.

Data:

(1) Donor/Recipient id (2) Name (3) Date of Birth (4) sex  
(5) Blood Group (6) Address (7) Contact Number (8) Email  
address (9) Diseases(any) (10) Blood id (11) Event

Donation program;

(1) organizer (2) Event id (3) date of donation (4) venue (5)  
Volunteers (6) Amount of blood collected

Blood:

(1) Blood id (2) Blood Group (3) Date of collection (4)  
Expiry date

Staff:

(1) Staff id (2) Name (3) User Name (4) Password

Software Requirements:

Operating System – Windows 7 or Higher Apache Server  
(UWAMP/XAMMP) Bootstrap phpMyadmin HTML Cascad-  
ing Style Sheet(CSS).

## ACKNOWLEDGMENT

I would like to thank my honourable **Khan Md. Hasib Sir**  
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## REFERENCES

kanayaka, E. M. S. S., Wimaladharma, C. (2015). Blood bank man-  
agement system. Technical session-computer science and technology  
industrial information technology, 7.

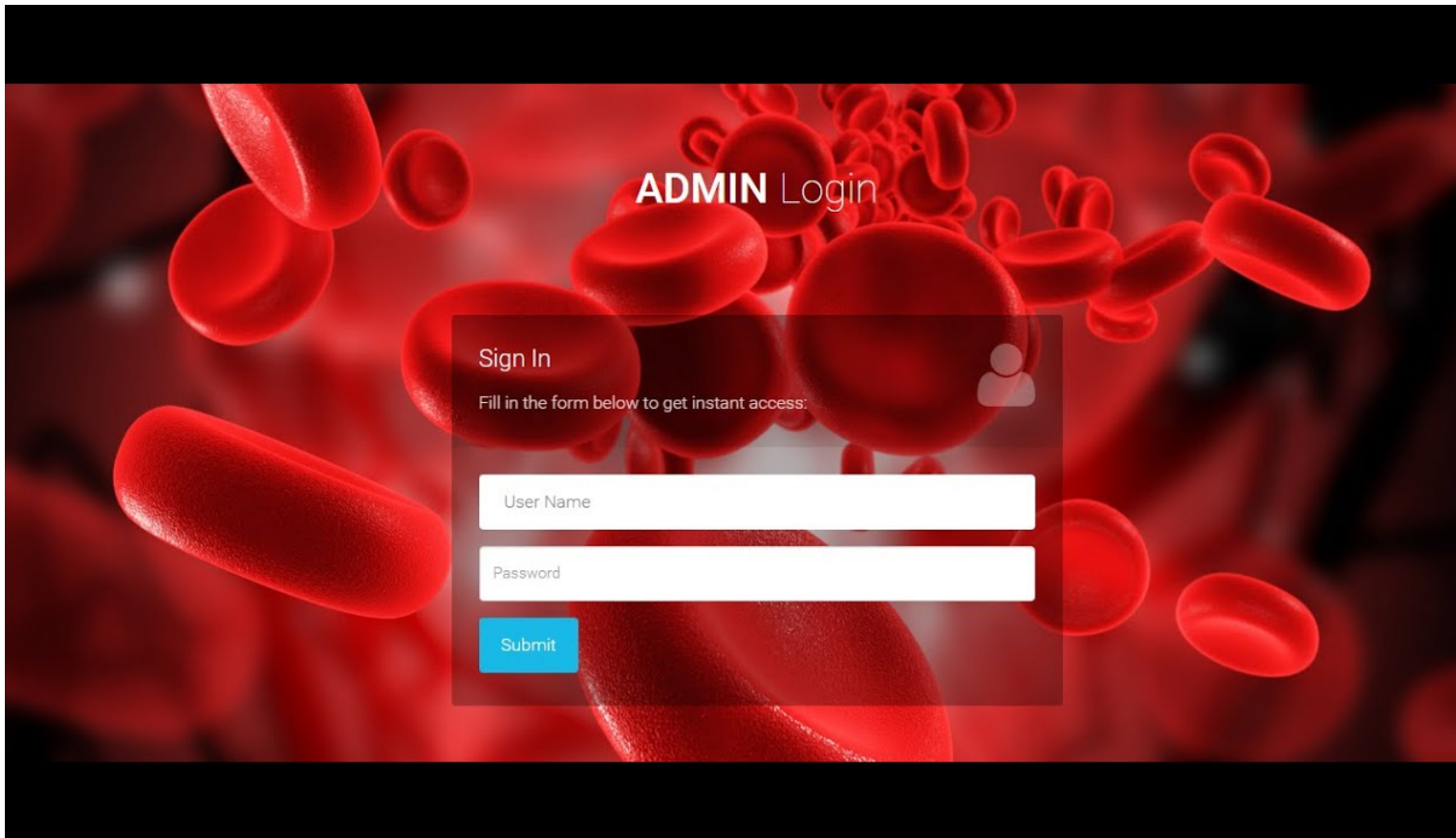


Fig. 1. Category Section

```
F:\xampp\htdocs\index.php - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

index.php x connection.php x s1.css x

1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Admin login</title>
5     <link rel="stylesheet" type="text/css" href="css/s1.css">
6   </head>
7   <body>
8     <div id="full">
9       <div id="inner_full">
10        <div id="header"><h2>Blood Bank Management System</h2></div>
11        <div id="body">
12          <br><br><br><br><br>
13          <table align="center">
14            <tr>
15              <td width="200px" height="70px"><b>Enter Username</b></td>
16              <td width="100px" height="70px"><input type="text" name="un" placeholder="Enter Username" style="width: 200px; height: 30px; border border-radius: 10px;"></td>
17            </tr>
18            <tr>
19              <td width="200px" height="70px"><b>Enter Password</b></td>
20              <td width="200px" height="70px"><input type="text" name="ps" placeholder="Enter Password" style="width: 200px; height: 30px; border border-radius: 10px;"></td>
21            </tr>
22            <tr>
23              <td colspan="2"><input type="submit" name="sub" value="login" style="width: 70px; height: 30px; border border-radius: 5px;"></td>
24            </tr>
25          </table>
26        </div>
27        <div id="footer"><h4 align="center">Copyright@myprojecthd</h4></div>
28      </div>
29    </div>
30  </body>
31 </html>
```

Activate Windows  
Go to Settings to activate Windows

Line 12, Column 37 Spaces: 4

Fig. 2. Category Section

C:\xampp\htdocs\user\css\s1.css - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

index.php x login.php x s1.css x style.css x

```
1 #full{
2     width: 100%;
3     height: auto;
4 }
5 #inner_full{
6     width: 80%;
7     height: auto;
8     margin: auto;
9 }
10 #header{
11     width: 100%;
12     height: 50%;
13     background-color: red;
14     color: white;
15 }
16 #body{
17     width: 100%;
18     height: 400px;
19 }
20 #footer{
21     width: 100%;
22     height: 50px;
23     background-color: red;
24     color: white;
25 }
```

Line 24, Column 18

Tab Size: 4

Type here to search

88°F

Fig. 3. Category Section