Sri Lanka Institute Of Advance Technological

Education

(SLIATE)

Higher National Diploma in Information Technology

Title

Online Blood Bank Management System

Name

K.Thanojanan

Reg No

BAT/IT/2018/F/004

Title   : Online Blood Bank Management System

Student Name   : Kunaretnam Thanojanan

Registration No   : BAT-IT-2018-F-0004

Supervisor   : ………………………….

Date Submitted   : 2020/03/02

Date Approved   : ………………………….

Contents

Introduction

The system that is going to be developed is Blood Bank Management System (BBMS). This is a web-based database application system that is to be used by the blood banks or blood centers as a means to advertise the nation wide blood donation events to the public and at the same time allow the public to make online reservation and request for the blood. The system keeps the record of all the donors, recipients, blood donation programs, rejected bloods. For internal works and activities intranet is used and for interaction with public internet is used. .
The Concept of the project

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

Background and Motivation

The system is used for maintaining all the process and activities of blood bank management system. The system can be extended to be used for maintaining records of hospital Blood donation. While developing the system, there shall be space for further modification. There shall be a proper documentation so that further enhancement becomes easy

Problem in Brief

Blood Bank Management System, it gets more time consuming when using the default method. So, we have use some easy techniques.

Aim

The main purpose of software requirement specifications document is to describe in a precise manner all the capabilities that will be provided by the software application "Online Blood Bank Management System." It also states the various constraints which the system will be abide to. These are to be exposed to the development, testing team and end users of the software.

Objectives

The project" Online Blood Bank Management System" is aimed to develop to maintain the donor's details and stock details and etc.it is designed achieve the following objectives:

- ➢ To computerize all details regarding donor details and blood stock details.
- ➢ the blood bank to publicize and advertise blood donation programs.
- ➢ To allow the probable recipients to make search and match the volunteer donors, and make request for the blood.
- ➢ improve the efficiency of blood stock management by alerting the blood bank staffs when the blood quantity is below it par level.
- ➢ To provide an efficient donor and blood stock management functions to the blood bank by recording the donor and blood details.

Proposed Solution

I'm going to develop a System for Blood Bank Management. The system will be used by Hospitals.

Here, I'm going to choose ER Diagram to implement my Project with its support because the drawing architecture of diagram very useful thing in making a project easily with full of functions. Here I'm going to use front end technologies such as HTML5, CSS.

Go through these diagrams I'm going to explain entity relation in data base connection, which kind of users will be allow to use this system and which features of this system can be used by the particular users will be explain using use case diagram and finally how many classes have included what is the relationship between its.

Resource Requirements

I have needed some Hardware things to do this project

- I. A Server PC with the following Features
    - a. I5 Server Machine
    - b. RAM 8 GB
    - c. Hard disk space (25 GB).

And also, I have needed some software to do this system efficiently

- I. Adobe Dream viewer for editing (PHP, HTML, JavaScript and CSS)
- II. Sublime Text
- III. Xampp Server
- IV. Opera (any browser) browser

Project Plan

5

Activities	Weeks											
	1	2	3	4	5	6	7	8	9	10	11	12
User requirements	■	■										
Planning			■									
System designing				■	■							
Developing						■	■	■				
Testing									■			
User Documentation										■	■	
Implementation												■

References

I. Internet.

    a. PHP with MySQL Lynda tutorial.

    b. Collective Knowledge Academy YouTube channel HTML5, Java Script with CSS

    c. Stack Overflow. (2020). *Stack Overflow - Where Developers Learn, Share, & Build Careers*. [online] Available at: https://stackoverflow.com/

    d. W3schools.com. (2020). *W3Schools Online Web Tutorials*. [online] Available at: https://www.w3schools.com/

II. Research Information

    i. ResearchGate. (2020). *ResearchGate | Find and share research*. [online] Available at: https://www.researchgate.net/

    ii. Wikipedia.org. (2020). *Wikipedia*. [online] Available at: https://www.wikipedia.org/

    iii. Nbts.health.gov.lk. (2020). *NBTS Online*. [online] Available at: http://www.nbts.health.gov.lk/

III. MySQL Essentials

IV. Books

    a. Open Source Programming Technologies

    b. Guide lines for PHP beginners

       -

V ATI Moodle Notes.