BLOOD BANK MANAGEMENT SYSTEM

DESCRIPTION

INTRODUCTION

Blood is a necessary element in the human body. Blood is about 7% to 8% of human weight, according to scientists. With an increase in the population there is an increase in the need of blood. But in spite of this not more than 10% of the total world population participates in blood donation. There is a dire need of synchronization between the blood donors and hospitals and the blood banks. The main aim of this project will therefore be to find more effective ways of managing the database of blood banks and blood donors and establish a forum for people connected to potential blood donors in the region.

Purpose

The main purpose of this project is to interconnect all the blood banks, hospitals, donors into a single network, validation, store various data and information of blood and health of each individual. This system is used to store data over a centralized server which consists of a database where the individuals' information cannot be accessed by a third party.

Scope

The system can be extended to be used for maintaining records of hospital, organ donation and other similar sectors. As a whole the system is focused to work with blood bank management systems and on additional modification it can be also used as management systems of similar organizations.

Functional requirements

- Login of admin
- Blood Donor
- Change the login password of admin
- Register the donor by himself and by system admin
- Login of the donor
- Change the login password of the donor
- Change personal, contact details by the donor himself and by system admin
- Withdraw reg. details by the donor and by the admin
- Send blood donation details to the relevant donors
- Send blood testing details.

Nonfunctional requirements

Detailed analysis of issues such as availability, security, usability and maintainability comes under nonfunctional requirements. Capacity, scalability and availability Maintainability other Requirements Security Performance requirements should run on 500 GHz, 64MB machine should have a proper internet connection. The response time for occurs a change will be no more than 4 seconds. The response time for access the database will be no more than 5 Seconds.

Hardware Specification

Processor : i3

Hard Disk :5GB

Memory : 1GB RAM

Software Specification

OS :Windows

Front End :HTML,CSS

Back End : My Sql, PHP 7.2.0

Technology : Wamp Server

Tables

ADMIN

ATTRIBUTE	CONSTRAINTS
1. Id	NOT NULL AUTO_INCREMENT,PRIMARYKEY
2. UserName	NOT NULL
3. Password	NOT NULL

BLOOD DONARS

ATTRIBUTE	CONSTRAINTS
1. Id	NOT NULL AUTO_INCREMENT ,PRIMARY KEY
2. FullName	NOT NULL
3. MobileNumber	DEFAULT NULL
4. EmailId	DEFAULT NULL
5. Gender	DEFAULT NULL
6. Age	DEFAULT NULL
7. BloodGroup	DEFAULT NULL
8. Address	DEFAULT NULL
9. Message	

10. status	DEFAULT NULL
11. PostingDate	NOT NULL DEFAULT

BLOOD GROUP

ATTRIBUTES	**CONSTRAINTS**
1. Id	NOT NULL AUTO_INCREMENT ,PRIMARY KEY
2. BloodGroup	DEFAULT NULL
3. PostingDate	NOT NULL DEFAULT

USER CONTACT INFO

ATTRIBUTES	**CONSTRAINTS**
1. Id	NOT NULL AUTO_INCREMENT ,PRIMARY KEY
2. EmailId	DEFAULT NULL
3. Address	
4. ContactNo	DEFAULT NULL

CONTACT USER QUERY

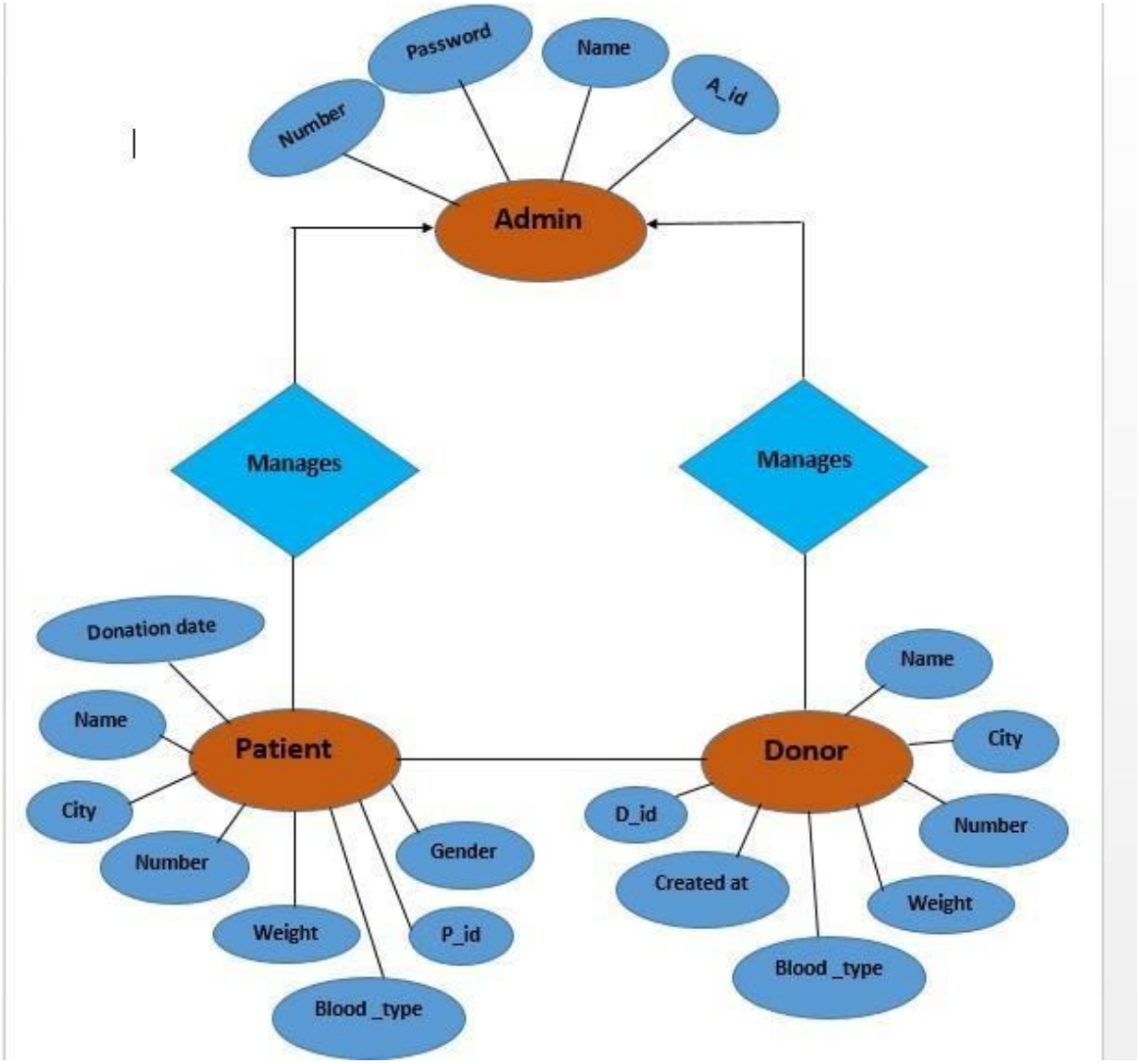
ATTRIBUTES	**CONSTRAINTS**
1. Id	NOT NULL AUTO_INCREMENT, PRIMARY KEY
2. Name	DEFAULT NULL
3. EmailId	DEFAULT NULL
4. ContactNumber	DEFAULT NULL
5. PostingDate	NOT NULL DEFAULT
6. Message	
7. Status	DEFAULT NULL

PAGES

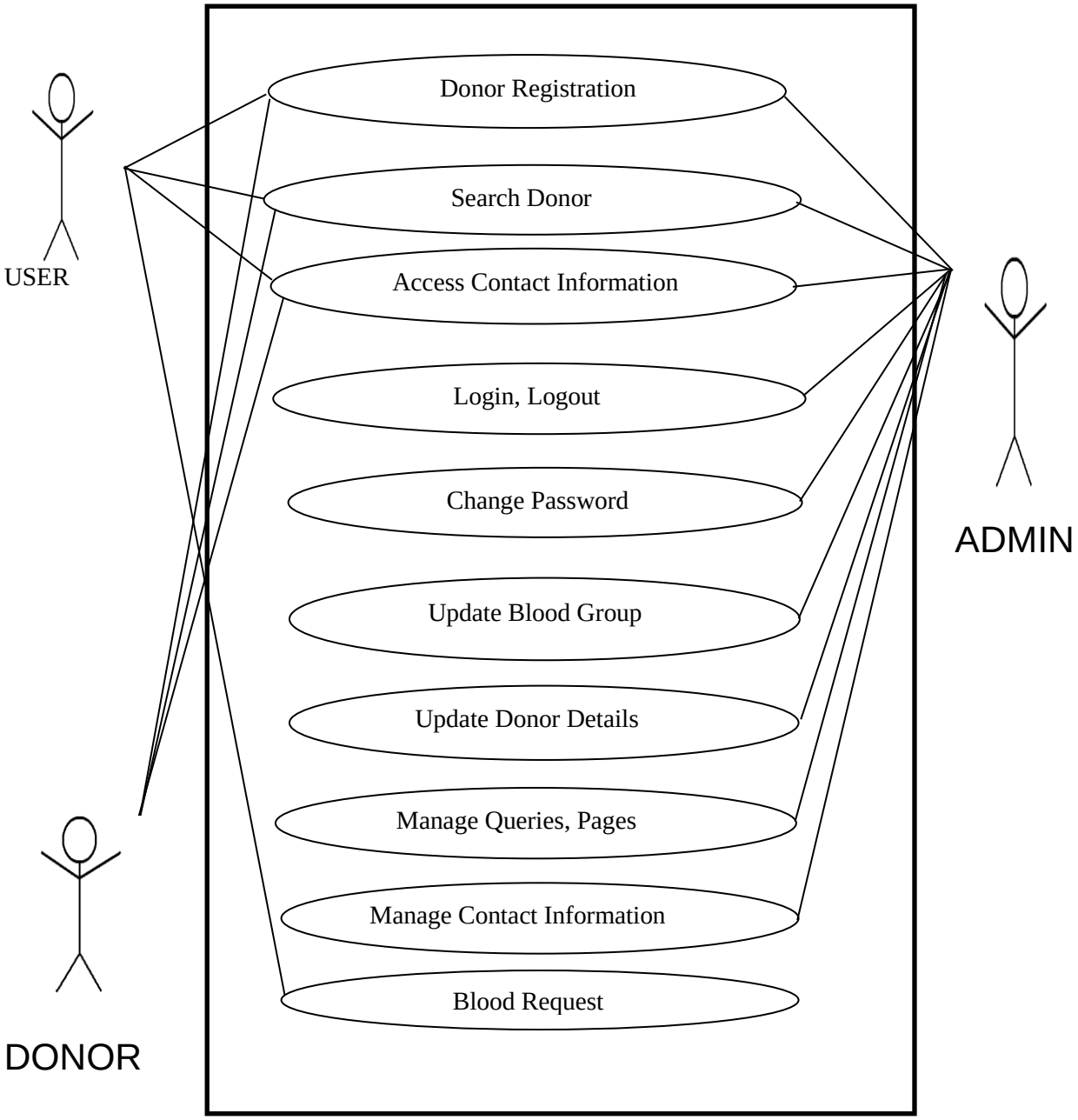
ATTRIBUTES	**CONSTRAINTS**
1. Id	NOT NULL AUTO_INCREMENT, PRIMARY KEY

2. PageName	DEFAULT NULL
3. type	NOT NULL DEFAULT
4. detail	NOT NULL

DESIGN

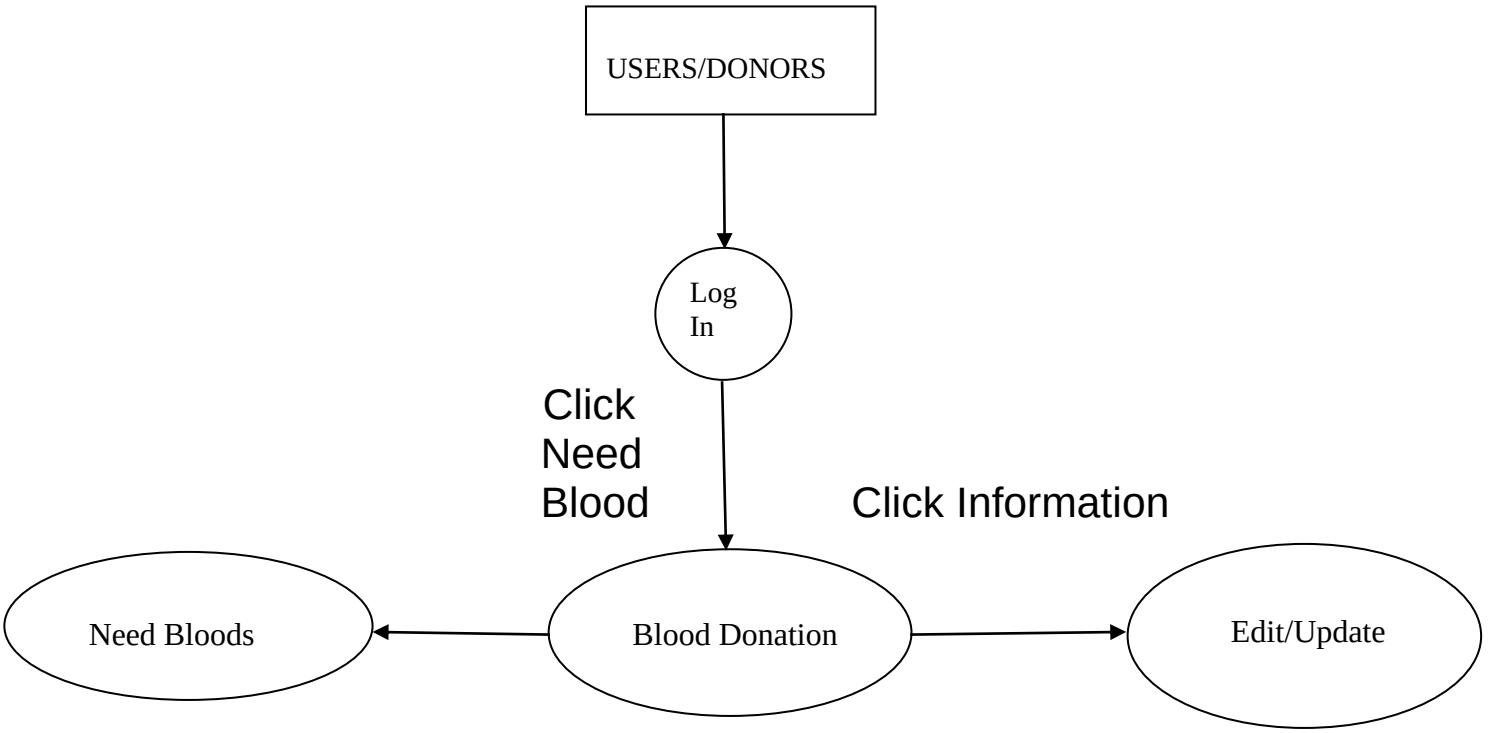


USE CASE DIAGRAM

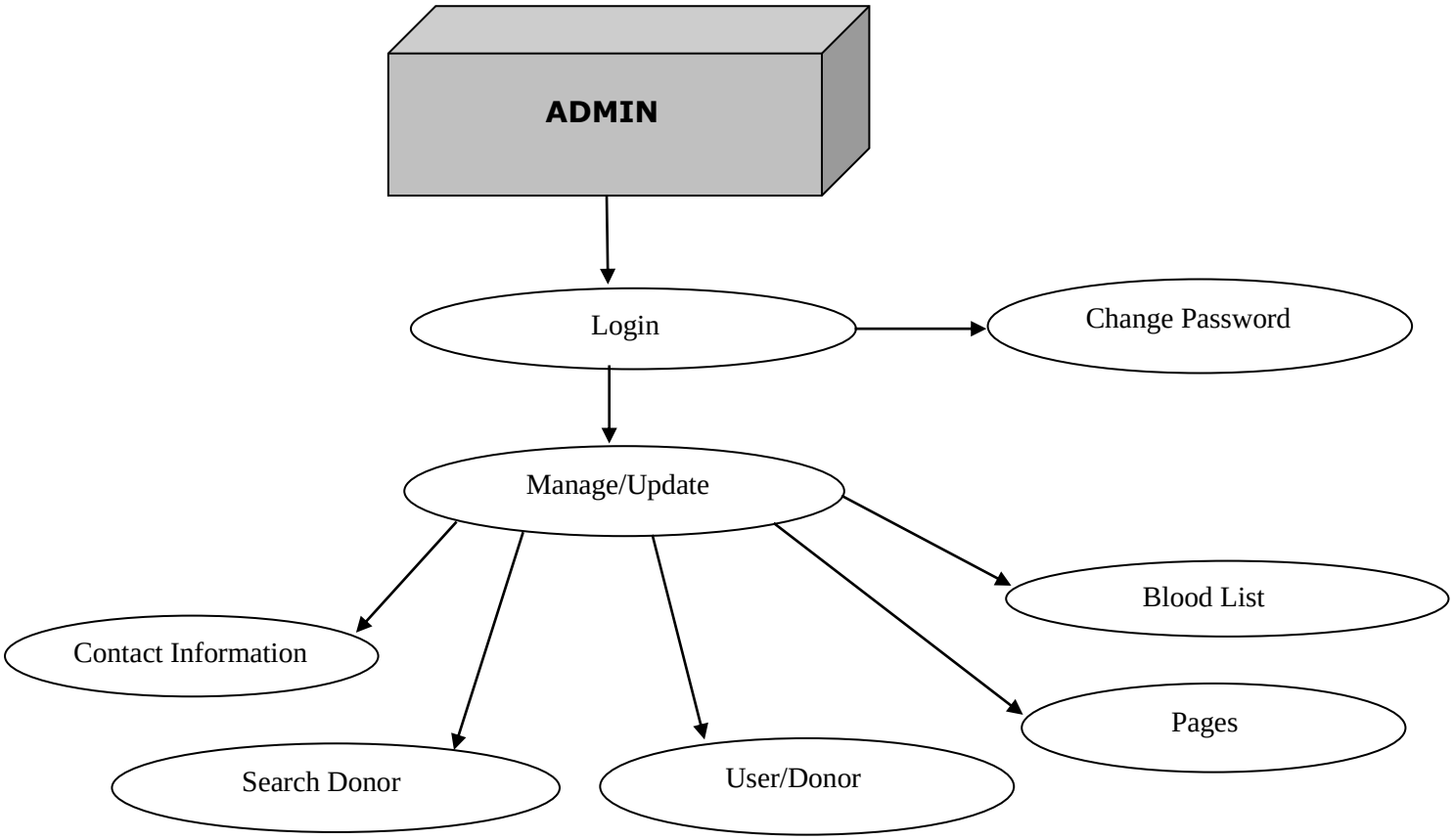


BLOCK DIAGRAM

USER/DONOR



ADMIN



Project Directory: BloodBank and Donor Management System

1. bbdms Directory:

Files:-

a) become-donar.php
b) contact.php
c) index.php
d) page.php
e) search-donor.php
f) gulpfile.js

Directories:-

a) admin

Files:-

i. add-bloodgroup.php
ii. add-donor.php
iii. change-password.php
iv. dashboard.php
v. donor-list.php
vi. download-records.php
vii. index.php
viii. logout.php
ix. manage-bloodgroup.php
x. manage-contactusquery.php
xi. manage-pages.php
xii. update-contactinfo.php
xiii. nicEdit.js

Directories:-

i. CSS:-awesome-bootstrap-checkbox.css,jquery.dataTables.min.css,dataTables.bootstrap.min.css,bootstrap-social.css,style.css,style.less,
bootstrap.min.css,datatables.min.css,bootsrap-select.css,font-awesome.min.css,fileinput.min.css.
css(folder)-var.css
less(folder)-vars.less,component.less.
ii. Js:-bootstrap.js,jquery.min.js,bootstrap-select.js,dataTables.bootstrap.min.js,jquery.dataTables.min.js,main.js,fileinput.js,bootstrap-
select.min.js,charData.js,Chart.min.js,bootstrap.min.js
iii. Includes:-
config.php,leftbar.php,header.php
iv. Fonts
v. Img

b) css

modern-business.css

c)includes

config.php,slider.php,header.php,footer.php

d)mail

contact_me.php

e)js

contact_me.js,jqBootsrapValidation.js

f)vendor

- Bootstarp

  1.css(bootsrap.min.css, bootsrap-grid.min.css, bootsrap.css, bootsrap-grid.css, bootsrap-reboot.css, bootsrap-reboot.min.css)

  2.js(bootstrap.js,bootstrap.min.js)

- jquery

  1. jquery.js

  2.jquery.min.js

- tether

  1.tether.js

  2.tether.min.js

g)images

2. SQL FILE

a) bbdms.sql

STEPS TO CONNECT TO THE WEBSITE

1) Install phpMyAdmin 7.2, MySQL and WAMP server.
2) Setup WAMP server.
3) Put the bbdms inside C folder(C/wamp/www).
3) Login phpMyAdmin.
4) Create database bbdms.sql.
5) Import the sql file from the root directory.
6) After successful completion open the browser and type "https://localhost/bbdms".
7) For admin login type "https://localhost/bbdms/admin".