PROGRESSIVE PROJECT REPORT

HOSPITAL MANAGEMENT SYSTEM

Submitted by

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ABSTRACT

The project title is Hospital Management System. It is a computer system that helps manage the information related to hospital Staffs include Attending physicians, Medical students, Specialists, Registered nurses, Licensed practical nurses, Hospital pharmacists etc. Hospital management system helps to directly get to the information about these staffs and the information about the hospital.

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7. REFERENCE

1. INTRODUCTION

1.1Objective/ Project Overview

The main objective of this project to give the information about hospital and hospital staffs details. The hospital management have rights to add the staff details and edit, update and delete the employee details.

1.2 Project Description

This project is about developing the website for Hospital Management System. Programming languages include HTML, CSS, JavaScript, PHP and MYSQL are used for developing the website. The hospital administrator can view the logo location and contact details about the hospital. The administrator can add, update, delete, view the staff details. First administrator scan login with username and email id then add the details. If any changes required administrator can modify it later logout from the page.

1.3 SCOPE OF WORK

Data is essentially the plain facts and statistics collected during the operations of a business. They can be used to measure/record a wide range of business activities - both internal and external. While the data itself may not be very informative, it is the basis for all reporting and as such is crucial in business. Hospital management system helps to give a brief idea about the hospital, the management and staff details. It is helps to the patients easily identify their consultant and their details. The hospital gallery and where it was situated etc. It is providing its customers with an idea of the atmosphere and the ongoing offerings before even physically visiting the hospital. This website is to become a user-friendly and reliable for all users.

2. SOFTWARE DEVELOPMENT ENVIRONMENT

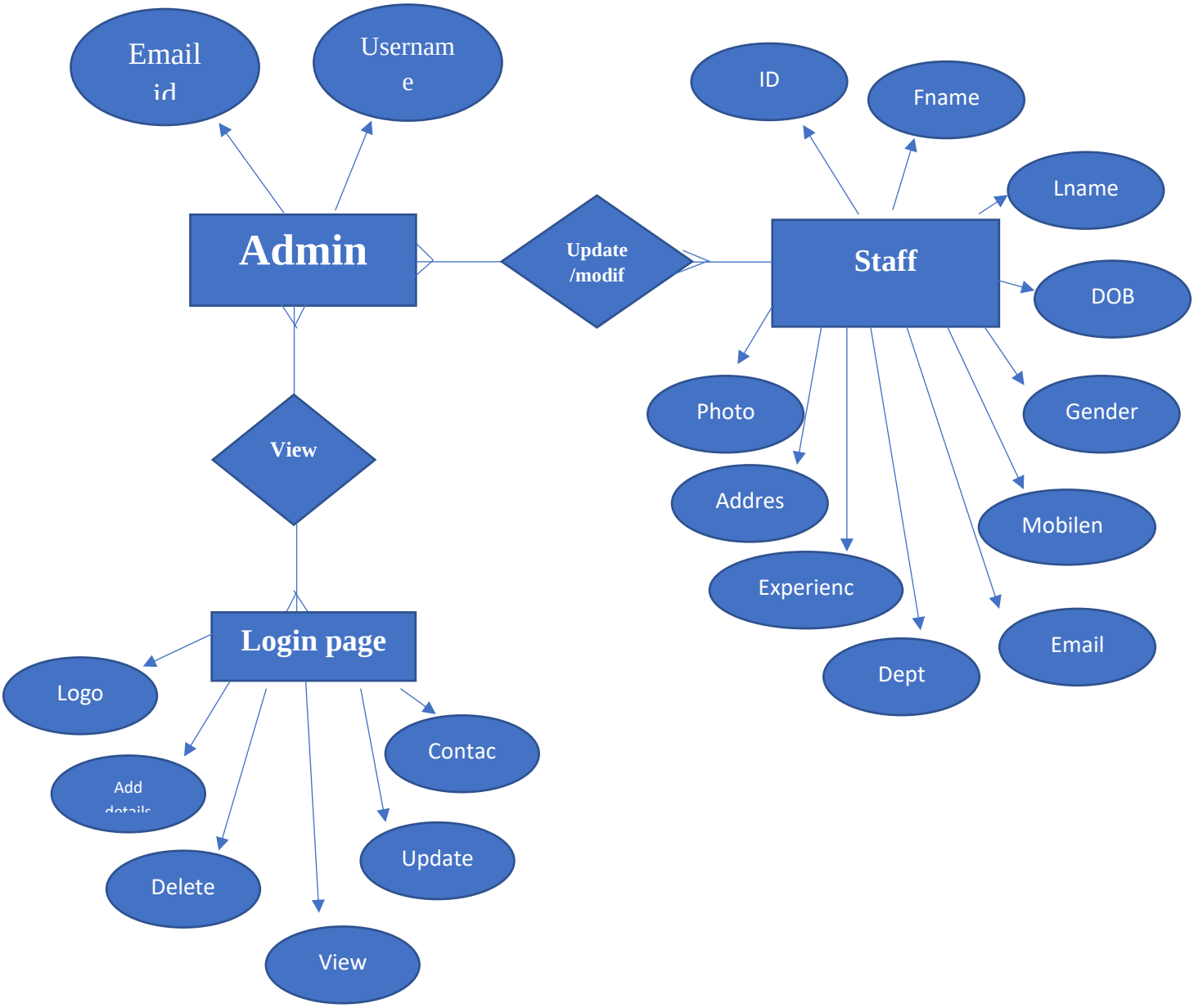
We using HTML, CSS, JavaScript, PHP, MySQL and Database for developing our website. PHP stands for Hypertext Pre-processor. It is a widely-used, open-source scripting language. PHP scripts are executed on the server. PHP is free to download and use. PHP can generate Dynamic page content. PHP can create, open, read, write, delete and close files on the server. PHP can collect form data. PHP can send and receive cookies. PHP can add, delete, modify data in your database. PHP can be used to control user-access. PHP can encrypt data.

MySQL is an open-source relational database management system. A relational Database organizes data into one or more data table in which data type may be related to each other, these relations help structure the data. MySQL is free and open-source software. MySQL has stand-alone clients that allow users to interact directly with a MySQL database using sql, but more often MySQL is used with other programs to implement applications that need relational database capability.

3. SYSTEM DESIGN

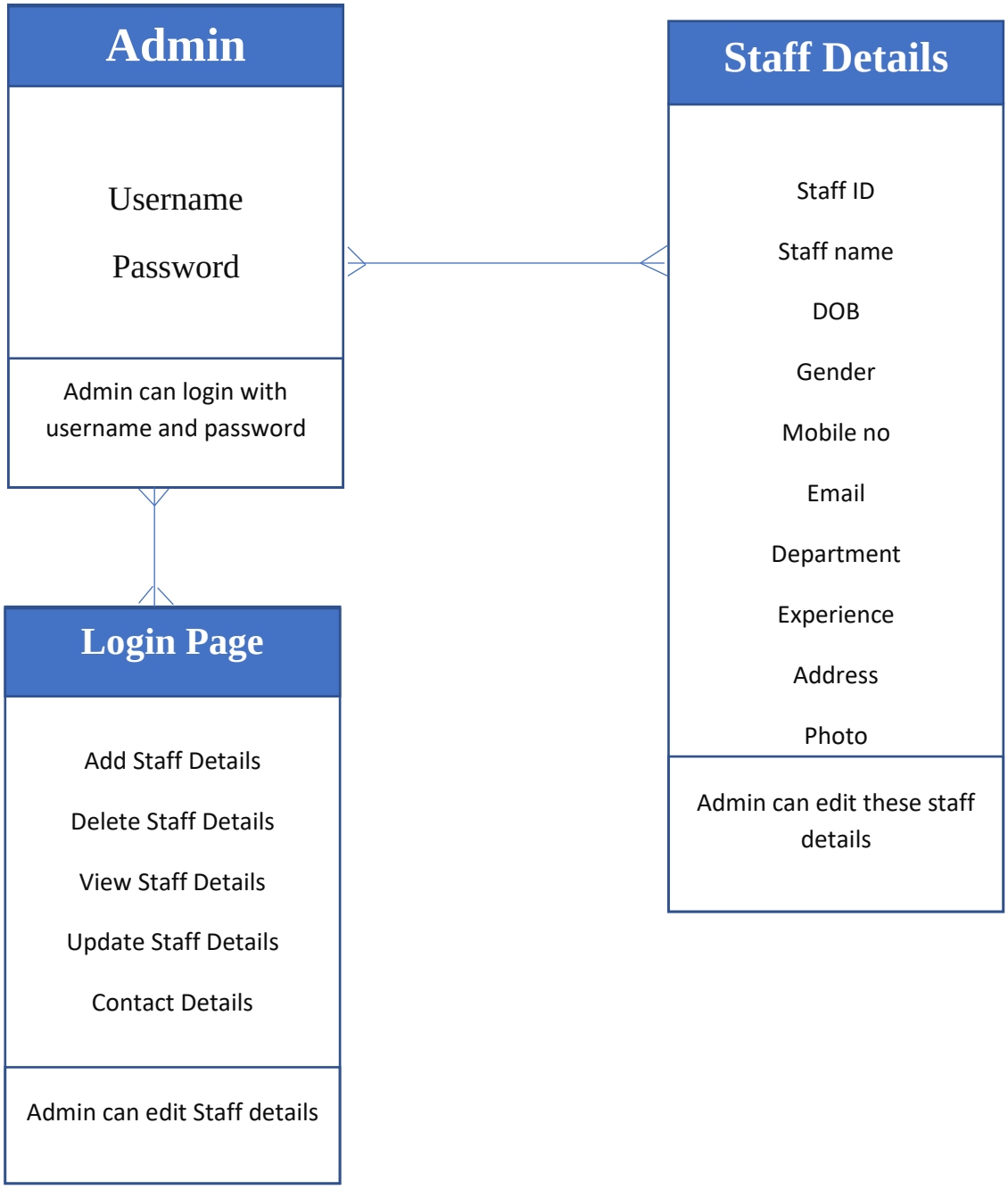
3.1 ER DIAGRAM

An Entity Relationship Diagram is a visual representation of different entities within a system and how they relate to each other



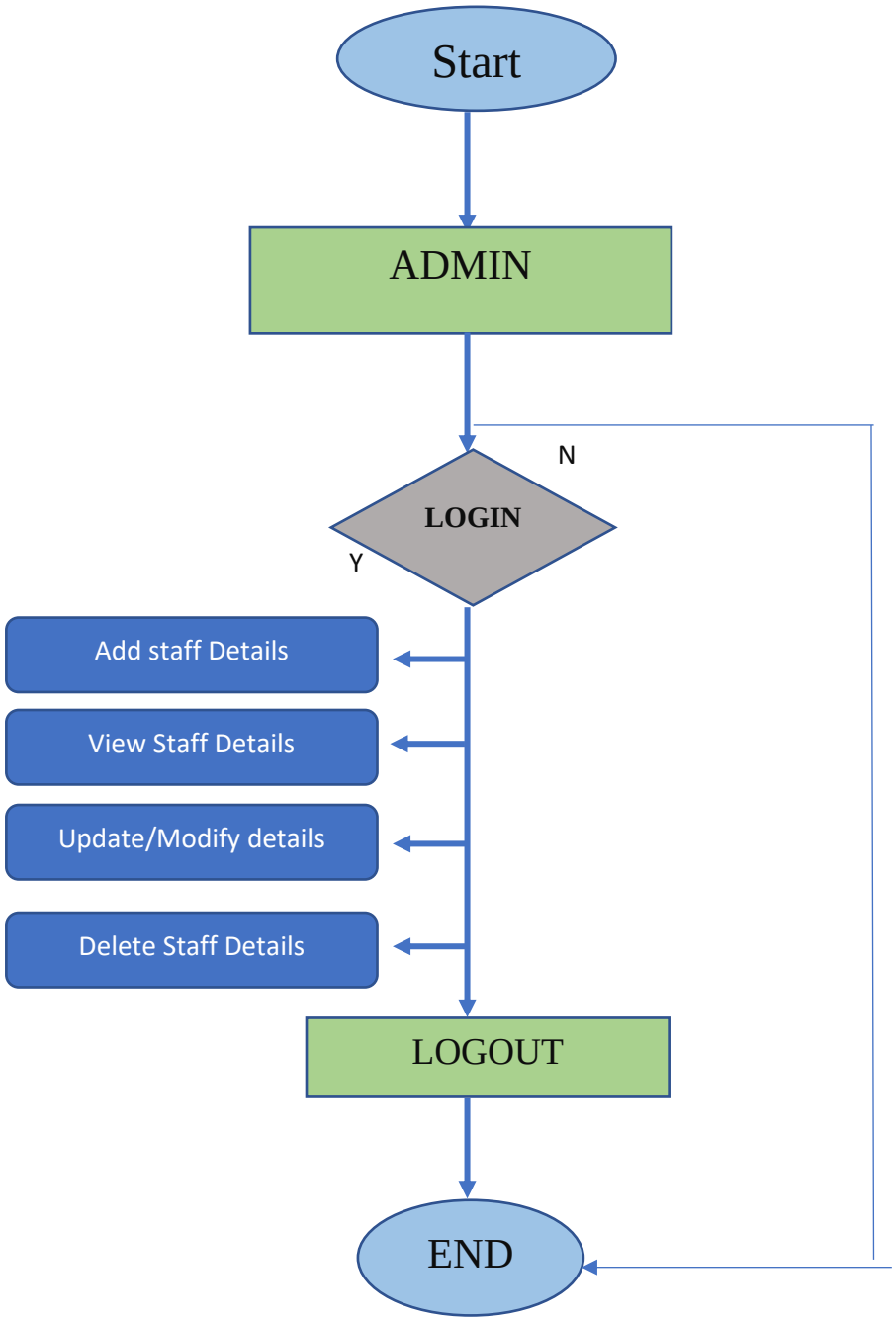
3.2 CLASS DIAGRAM

Class diagram describes the attributes and operations of a class and also the constraints imposed on the system. The class diagrams are widely used in the modeling of object-oriented systems because they are the only UML diagrams, which can be mapped directly with object-oriented languages.



3.3 FLOW CHART

A flowchart is simply a graphical representation of steps. It shows steps in sequential order and is widely used in presenting the flow of algorithms, workflow or processes. Typically, a flowchart shows the steps as boxes of various kinds, and their order by connecting them with arrows.



4. SYSTEM REQUIREMENTS

4.1 SOFTWARE SPECIFICATION

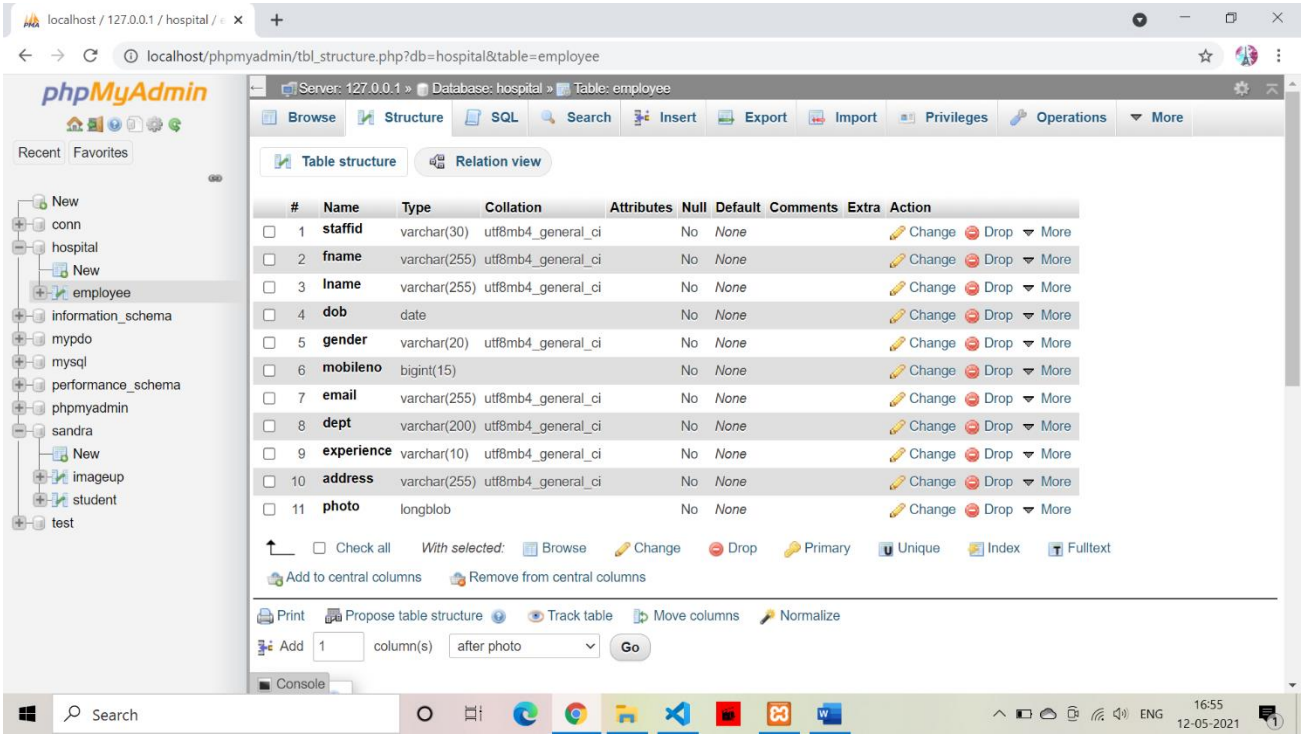
Operating System	:	Windows 7
Front End	:	HTML, CSS, JavaScript
Back End	:	PHP, MySQL
Code Editor	:	Visual Code
Software	:	XAMPP Server
Server	:	Apache Web Browser: Google Chrome

4.2 HARDWARE SPECIFICATION

RAM	:	1 GB or above
Processor	:	1 GHz or more
Hard Drive	:	32 GB or above
Network Connectivity	:	LAN or Wi-Fi

5. APPENDICES

5.1. DATABASE TABLES



5.2. SOURCE CODE

1. Login.html

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Document</title>
   <!-- <link rel="stylesheet" href="login.css"> -->
   <style>
      *{
         margin: 0;
         padding: 0;
      }
      #main_body
      {
         width: 100%;
         height: 610px;
         background-color: rgb(202, 219, 214);
      }
      #img{
         width: 100%;
         height: 610px;
         position: absolute;
      }
      form{
         float: right;
         position: relative;
         padding-top: 250px;
         padding-right: 40%;
      }
      .login{
         font-size: large;
         font-weight: bold;
      }
      input{
         border-radius: 5px;
         height: 20px;
      }
      #submit{
         height: 25px;
         width: 40%;
         margin-left:30% ;
```

```
        }
        #submit:hover{
            color: white;
            background-color: green;
        }
    </style>
</head>
<body>
    <div id="main_body">
        <div id="main">
            <img id="img" src="image/login.png" alt="image">
            <form action="home.php" method="POST"  onsubmit = "return validation()">
                <label class="login">Username </label>
                <br><br>
                <input id="uname" type="text" name="uname" required>
                <br><br>
                <label  class="login">Email Id </label>
                <br><br>
                <input id="email" type="email" name="email" required>
                <br><br><br>
                <input id="submit" type="submit" onclick="validation()" name="submit">
            </form>
        </div>
    </div>

    <script>
        function validation()
        {
            let uname = document.getElementById("uname").value
            let email = document.getElementById("email").value

            if(uname.length=="" & email.length=="")
            {
                alert("Please enter the username and password");
                return false;
            }
            else{
                if(uname.length=="")
                {
                    alert("please enter Username");
                    return false;
                }
                if(email.length=="")
                {
                    alert("please enter a valid email id");
                    return false;
                }
            }
        }
```

```
    </script>
</body>
</html>
```

2. Home.php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet" href="homestyle.css">
    <style>
        .para{
            text-align: center;
            padding-left: 10%;
            color: white;
        }
    </style>
</head>
<body>
    <div id="body">
        <div id="nav">
            <img id="homeimg" src="image/hospital logo.png" alt="This image does not
support your browser";
            <ul>
                <li class="li"><a href="logout.php">Logout</a></li>
                <li class="li"><a href="contact.html">Contact Us</a></li>
                <li class="li"><a href="#"> About Us</a></li>
                <li class="li"><a href="home.php"> Home</a></li>
            </ul>
        </div>
        <img id="bodyimg" src="image/hospital body.jpg" alt="image">
        <div id="adddata">
            <li class="liem1"><a href="add.php">Add Employee
Details</a></li><br><br>
            <li class="liem1"><a href="fetchdata.php">View Employee
Details</a></li><br><br>
            <li class="liem1"><a href="fetchdata.php">Update/Modify Employee
Details</a></li><br><br>
            <li class="liem1"><a href="fetchdata.php">Delete Employee Details</a></li>
        </div>
    </div>
    <div id="footer">
        <p class="para"> Created by Soorya S Das</p><br>
        <p class="para">Copyright2021Sooryasdas. All Rights Reserved</p>
    </div>
```

```
    </body>
    </html>
```

3. Dbconnection.php

```
<?php
$servername = "localhost";
$username = "root";
$pass = "";
$db = "hospital";
$conn = mysqli_connect($servername,$username,$pass,$db);
if($conn)
{
   //  echo " Database connected succcessfully";
}
else{
   echo " failed to connect".mysqli_connect_error();
}

?>
```

4. Fetchdata.php

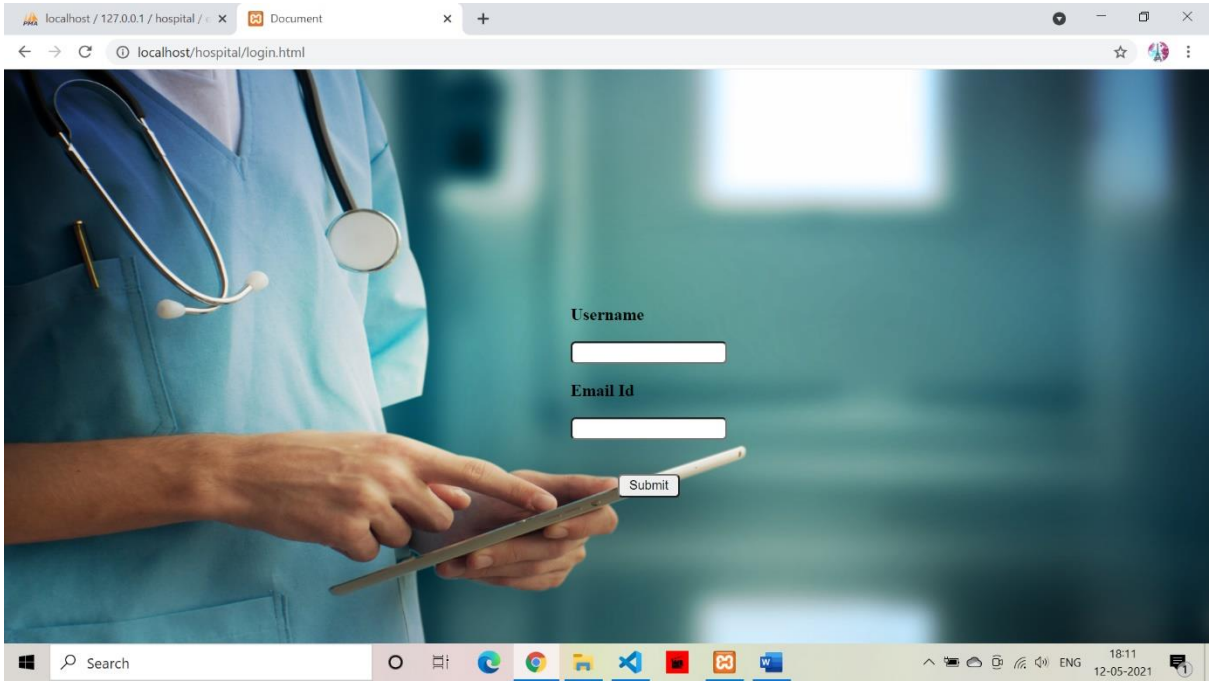
```
<?php
include_once "dbconnection.php";
?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Document</title>
   <link rel="stylesheet" href="header.css">
   <style>
   table
   {
      margin-left: 20px;
   }
   tr,td{
      padding: 10px;
   }
   body{
     background-color: linen;
```

```
   }
   </style>
</head>
<body>
<div id="nav">
        <img id="homeimg" src="image/hospital logo.png" alt="This image does not support
your browser";
        <ul>
           <li class="li"><a href="logout.php">Logout</a></li>
           <li class="li"><a href="contact.html">Contact Us</a></li>
           <li class="li"><a href="#"> About Us</a></li>
           <li class="li"><a href="home.php"> Home</a></li>
        </ul>
      </div>
      <br><br>
   <h2 style="text-align: center;"> Employee Details</h2><br>
   <table border="2" style="width: 40%; float:left;">
      <tr>
        <th> Staff Id </th>
        <th> First Name </th>
        <th> Last Name </th>
        <th> DOB </th>
        <th> Gender </th>
        <th> Mobile Number </th>
        <th> Email </th>
        <th> Department </th>
        <th> Experirnce </th>
        <th> Address </th>
        <th> Photo </th>
        <th colspan="2">Operatioans </th>
      </tr>
      <?php
        $query = "SELECT * FROM employee";
        $data = mysqli_query($conn,$query);
        $total = mysqli_num_rows($data);
        if($total !=0)
        {
          while($result = mysqli_fetch_assoc($data))
          {
      ?>
            <!-- echo " -->
            <tr>
            <td><?php echo $result['staffid'] ?></td>
            <td><?php echo $result['fname']?></td>
```

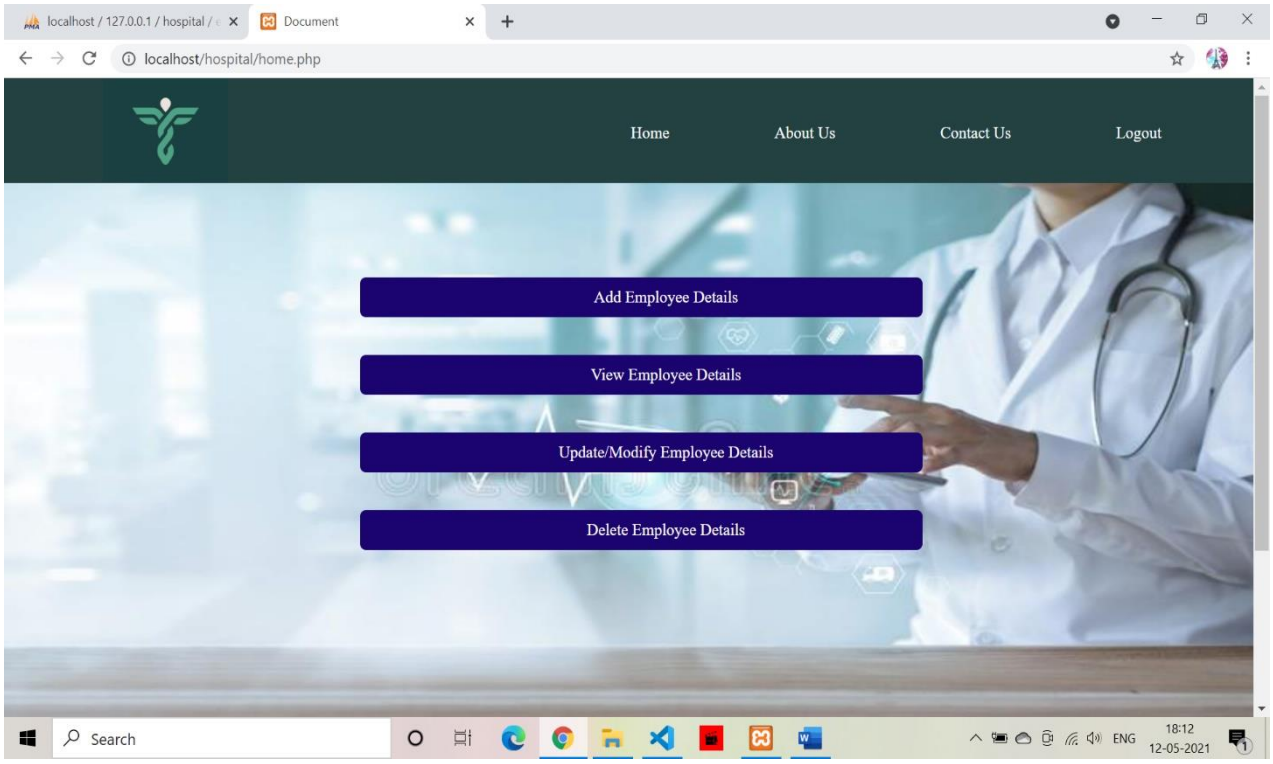
```
                <td><?php echo $result['lname'] ?></td>
                <td><?php echo $result['dob']?></td>
                <td><?php echo $result['gender'] ?></td>
                <td><?php echo $result['mobileno']?></td>
                <td><?php echo $result['email']?> </td>
                <td><?php echo $result['dept']?></td>
                <td><?php echo $result['experience']?> </td>
                <td><?php echo $result['address']?></td>
                <td><img src="<?php echo $result['photo'];?>" width="100px"
height="100px"></td>
                <td><a href="delete.php?staffid= <?php echo $result['staffid'];?>">Delete
</a></td>
                <td><a href="update.php?staffid= <?php echo
$result['staffid'];?>">Update/Modify </a></td>
                </tr>
                <?php
            }
        }
        ?>
    </table>
</html>
```

5.3. SCREENSHOTS

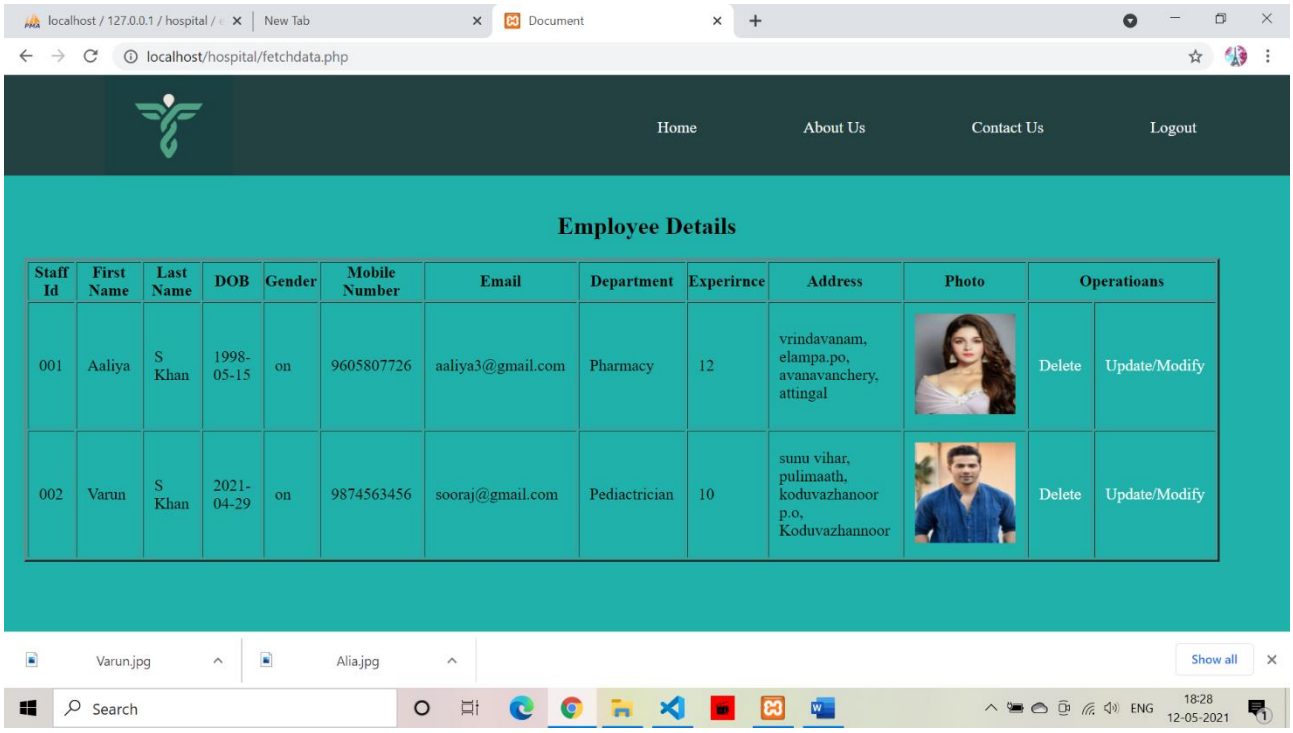
1. login.html



2. home.php



3. Fetchdata.php



6. CONCLUSION

The purpose of this project is to build a website for hospital management system. It is a computer system that helps manage the information related to hospital Staffs include Attending physicians, Medical students, Specialists, Registered nurses, Licensed practical nurses, Hospital pharmacists etc. Hospital management system helps to directly get to the information about these staffs and the information about the hospital.

7. REFERENCE

1) https://www.w3schools.com

2) https://way2tutorial.com

3) https://www.tutorialrepublic.com

4) https://www.javatpoint.com/mysql-tutorial