PROJECT REPORT

STUDENT INFO-SYSTEM

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ABSTRACT

The project titled: **STUDENT INFO-SYSTEM**

A student information system is all that you need. However, in this project, aim to figure out the benefits of student information system. There is an upsurge happening in technology these days. It is imperative for institutions to upgrade their legacy systems to stay competitive and to offer students a better learning experience. Saving information manually results in various cons. A quick answer for this could be - Student Information System.

CONTENTS

1. INTRODUCTION

1.1OBJECTIVE

Student information systems must meet the following objectives such as Enable self-service for students to perform basic administrative functions and tasks in a “one-stop” service and access environment, Integrate data sources and process them through a single function that supports one-time entry of student data, Support the retention and recruitment of students and encourage a strong and positive relationship with the university, alumni, donors, and other constituencies, Integrate and support new learning and teaching opportunities and technologies for students and faculty, Support open interfaces and integration with other campus applications and database systems etc…

1.3. SCOPE

Without Student information System, managing and maintaining the details of the student is a tedious job for any organization. Student Information system will store all the details of the students including their background information, educational qualifications, personal details and all the information related to their resume .

2. SYSTEM ANALYSIS

2.1EXISTING SYSTEM

During analysis, data collected on the various files, decision points and transactions handled by the present system. The commonly used tools in the system are Data Flow Diagram, interviews, etc. Training, experience and common sense are required for collection of relevant information needed to develop the system. The success of the system depends largely on how clearly the problem is defined, thoroughly investigated and properly carried out through the choice of solution. A good analysis model should provide not only the mechanisms of problem understanding but also the frame work of the solution. Thus it should be studied thoroughly by collecting data about the system. Then the proposed system should be analysed thoroughly in accordance with the needs.

In the current system we need to keep a number of records related to the student and want to enter the details of the student and the marks manually. In this system only the teacher or the school authority views the mark of the student and they want to enter the details of the student. This is time consuming and has much cost.

2.2PROPOSED SYSTEM

In this proposed system include the provision for adding the details of the students by themselves. So the overhead of the school authorities and the teachers is become less. Another advantage of the system is that it is very easy to edit the details of the student and

delete a student when it found unnecessary. The marks of the student are added in the database and so students can also view the marks whenever they want.

All the manual difficulties in managing the student details in a school or college have been rectified by implementing computerization.

3. TECHNOLOGY OVERVIEW

The technology selected for implementing Student Information Management System is PHP/MYSQL. Apache is used as the HTTP server. The development was done in a 'windows' environment using adobe dream weaver CS5.

PHP

PHP is a general-purpose scripting language that is especially suited to server-side web development where PHP generally runs on a web server. PHP code is embedded into the HTML source document. Any PHP code in a requested file is executed by the PHP runtime, usually to create dynamic web page content. It can also be used for command-line scripting and client-side GUI applications. PHP can be deployed on many web servers and operating systems, and can be used with many relational database management systems (RDBMS). It is available free of charge, and the PHP Group provides the complete source code for users to build, customize and extend for their own use.

MySQL

MySQL is a relational database management system (RDBMS) [1] that runs as a server providing multi-user access to a number of databases. MySQL is a popular choice of database for use in web applications and is an open source product. The process of setting up a MySQL database varies from host to host, however we will end up with a database name, a user name and a password.

Apache

The Apache HTTP Server is a web server software notable for playing a key role in the initial growth of the World Wide Web. In 2009 it became the first web server software to surpass the 100 million web site milestone. Apache is developed and maintained by an open community of developers under the auspices of the Apache Software Foundation. Since April 1996 Apache has been the most popular HTTP server software in use. As of November 2010

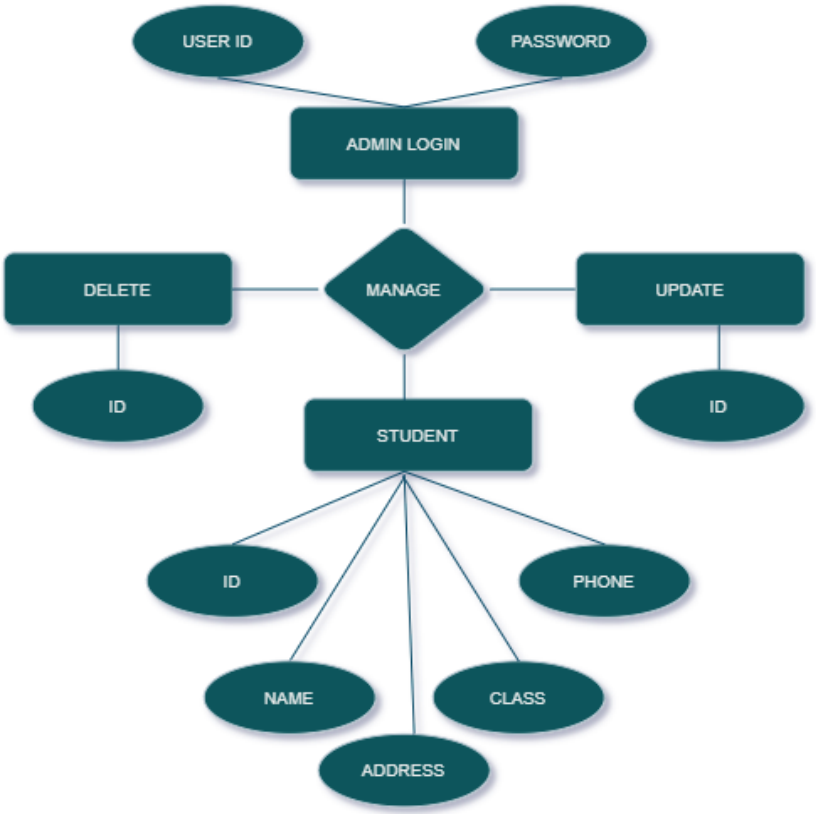
Apache served over 59.36% of all websites and over 66.56% of the first one million busiest websites.

XAMPP

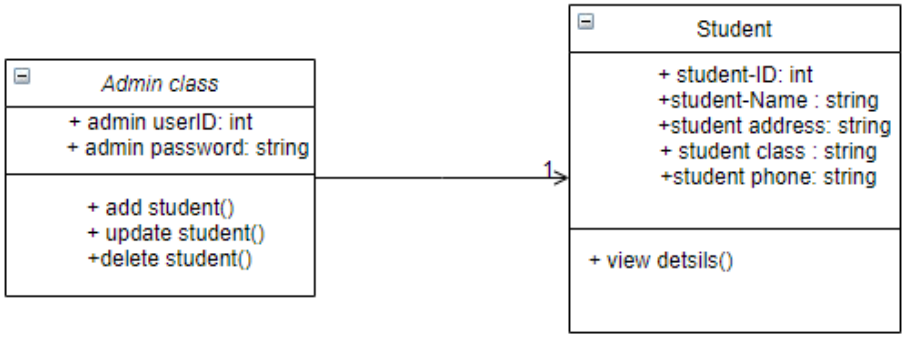
XAMPP is a small and light Apache distribution containing the most common web development technologies in a single package. Its contents, small size, and portability make it the ideal tool for students developing and testing applications in PHP and MySQL. XAMPP is available as a free download in two specific packages: full and lite. While the full package download provides a wide array of development tools, XAMPP Lite contains the necessary technologies that meet the Ontario Skills Competition standards. The light version is a small package containing Apache HTTP Server, PHP, MySQL, phpMyAdmin, Openssl, and SQLite.

4. SYSTEM DESIGN

4.1. ER DIAGRAM



4.2. CLASS DIAGRAM



5. SYSTEM REQUIREMENTS

5.1. SOFTWARE SPECIFICATION

Operating System	:	Windows 7 or above
Front End	:	HTML, CSS, JavaScript
Back End	:	PHP, MySQL
Code Editor	:	Notepad++, Visual Code
Software	:	XAMPP Server
Server	:	Apache
Web Browser	:	Mozilla Firefox

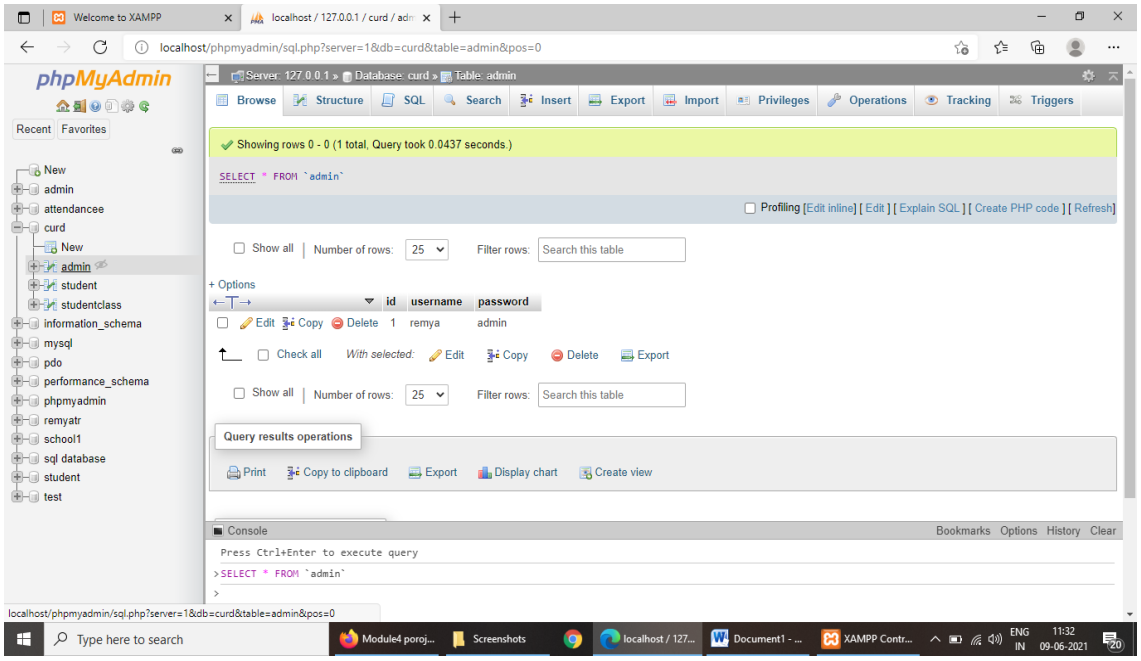
5.2. HARDWARE SPECIFICATION

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

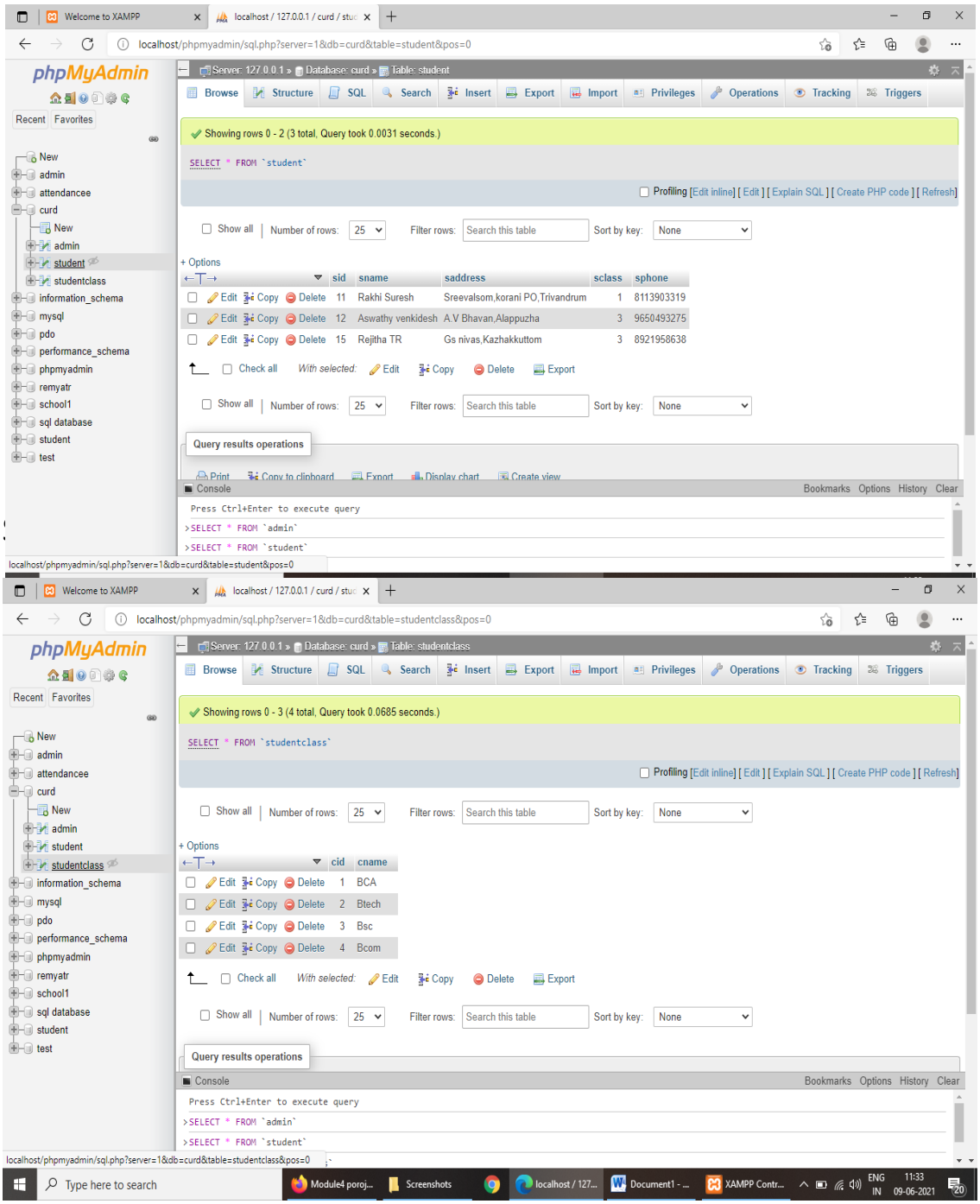
6. APPENDICES

6.1. DATABASE TABLES

1. Admin



2. Student

3. 

6.2. SOURCE CODE

1. add.php

```
<?php include 'header.php'; ?>
<div id="main-content">
    <h2>Add New Record</h2>
```

```
    <form class="post-
form" action="savedata.php" method="post">
        <div class="form-group">
            <label>Name</label>
            <input type="text" name="sname" required/>
        </div>
        <div class="form-group">
            <label>Address</label>
            <input type="text" name="saddress" required
/>
        </div>
        <div class="form-group">
            <label>Class</label>
            <select name="class" required>
                <option value="" selected disabled>Sele
ct Class</option>
                <?php
                include 'config.php';

                $sql = "SELECT * FROM studentclass";
                $result = mysqli_query($conn, $sql) or
die("Query Unsuccessful.");

                while($row = mysqli_fetch_assoc($result
)){
                ?>
                <option value="<?php echo $row['cid'];
?>"><?php echo $row['cname']; ?> ></option>

              <?php } ?>
            </select>
        </div>
        <div class="form-group">
            <label>Phone</label>
            <input type="text" name="sphone" required/>
        </div>
        <input class="submit" type="submit" value="Save
"  />
```

```
    </form>
</div>
</div>
</body>
</html>
```

2. config.php

```
<?php

$conn = mysqli_connect("localhost","root","","curd") or
 die("Connection Failed");

?>
```

3. delete.php

```
<?php include 'header.php';

if(isset($_POST['deletebtn'])){

include "config.php";
$stu_id = $_POST['sid'];

$sql = "DELETE FROM student WHERE sid = {$stu_id}";
$result = mysqli_query($conn, $sql) or die("Query Unsuc
cessful.");

header("Location: http://localhost/crud/index.php");

mysqli_close($conn);

}
?>
<div id="main-content">
    <h2>Delete Record</h2>
```

```
    <form class="post-
form" action="<?php echo $_SERVER['PHP_SELF']; ?>" meth
od="post">
        <div class="form-group">
            <label>Id</label>
            <input type="text" name="sid" />
        </div>
        <input class="submit" type="submit" name="delet
ebtn" value="Delete" />
    </form>
</div>
</div>
</body>
</html>
```

4. delete-inline.php

```
<?php

$stu_id = $_GET['id'];

include 'config.php';

$sql = "DELETE FROM student WHERE sid = {$stu_id}";
$result = mysqli_query($conn, $sql) or die("Query Unsuc
cessful.");

header("Location: http://localhost/crud/index.php");

mysqli_close($conn);

?>
```

5. edit.php

```
<?php include 'header.php'; ?>
```

```
<div id="main-content">
    <h2>Update Record</h2>
    <?php
    include 'config.php';

    $stu_id = $_GET['id'];

    $sql = "SELECT * FROM student WHERE sid = {$stu_id}
";
    $result = mysqli_query($conn, $sql) or die("Query U
nsuccessful.");

    if(mysqli_num_rows($result) > 0)  {
      while($row = mysqli_fetch_assoc($result)){
    ?>
    <form class="post-
form" action="updatedata.php" method="post">
      <div class="form-group">
          <label>Name</label>
          <input type="hidden" name="sid" value="<?php
echo $row['sid']; ?>"/>
          <input type="text" name="sname" value="<?php
echo $row['sname']; ?>"/>
      </div>
      <div class="form-group">
          <label>Address</label>
          <input type="text" name="saddress" value="<?p
hp echo $row['saddress']; ?>"/>
      </div>
      <div class="form-group">
          <label>Class</label>
          <?php
            $sql1 = "SELECT * FROM studentclass";
            $result1 = mysqli_query($conn, $sql1) or di
e("Query Unsuccessful.");

            if(mysqli_num_rows($result1) > 0)  {
              echo '<select name="sclass">';
```

```
                while($row1 = mysqli_fetch_assoc($result1
))){
                  if($row['sclass'] == $row1['cid']){
                    $select = "selected";
                  }else{
                    $select = "";
                  }
                  echo  "<option {$select} value='{$row1[
'cid']}'>{$row1['cname']}</option>";
                }
            echo "</select>";
          }
              ?>
        </div>
        <div class="form-group">
            <label>Phone</label>
            <input type="text" name="sphone" value="<?php
 echo $row['sphone']; ?>"/>
        </div>
        <input class="submit" type="submit" value="Update
"/>
    </form>
    <?php
      }
    }
    ?>
</div>
</div>
</body>
</html>
```

6. header.php

```
<?php
session_start();
?>
<!DOCTYPE html>
<html lang="en">
```

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-
width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>CRUD</title>
  <link rel="stylesheet" href="css/style.css">
</head>
<body>
    <div id="wrapper">
        <div id="header">
            <h1>Student Management System</h1>
        </div>
        <div id="menu">
            <ul>
                <li>
                    <a href="index.php">Home</a>
                </li>
                <li>
                    <a href="add.php">Add</a>
                </li>
                <li>
                    <a href="update.php">Update</a>
                </li>
                <li>
                    <a href="delete.php">Delete</a>
                </li>
                <li  style="float:right;">
                    <a href="logout.php">Logout</a>
                </li>
            </ul>
        </div>
</body>
</html>
```

7. index.php

```
<?php
```

```php
include 'header.php';
?>
<div id="main-content">
    <h2>All Records</h2>
    <?php
      include 'config.php';

      $sql = "SELECT * FROM student JOIN studentclass W
HERE student.sclass = studentclass.cid";
      $result = mysqli_query($conn, $sql) or die("Query
 Unsuccessful.");

      if(mysqli_num_rows($result) > 0)  {
    ?>
    <table cellpadding="7px">
        <thead>
        <th>Id</th>
        <th>Name</th>
        <th>Address</th>
        <th>Class</th>
        <th>Phone</th>
        <th>Action</th>
        </thead>
        <tbody>
          <?php
            while($row = mysqli_fetch_assoc($result)){
          ?>
            <tr>
                <td><?php echo $row['sid']; ?></td>
                <td><?php echo $row['sname']; ?></td>
                <td><?php echo $row['saddress']; ?></td
>
                <td><?php echo $row['cname']; ?></td>
                <td><?php echo $row['sphone']; ?></td>
                <td>
                    <a href='edit.php?id=<?php echo $ro
w['sid']; ?>'>Edit</a>
```

```
                    <a href='delete-
inline.php?id=<?php echo $row['sid']; ?>'>Delete</a>
                </td>
            </tr>
          <?php } ?>
        </tbody>
    </table>
  <?php }else{
    echo "<h2>No Record Found</h2>";
  }
  mysqli_close($conn);
  ?>
</div>
</div>
</body>
</html>
```

8. login.php

```
<?php
session_start();
?>
<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-
width, initial-scale=1.0">
    <title>Admin Login</title>
    <link rel = "stylesheet" type = "text/css" href = "
css/login.css">

</head>
<body>
        <div id="login">
        <h1>ADMIN LOGIN</h1>
        <form action = "login-
verify.php" method = "POST" class="form">
```

```
                    <input type = "text" name  = "username"
 placeholder="Enter Username"  required/><br/>
                    <input type = "password" name  = "passw
ord" placeholder="Enter Password"  required/><br/>
                    <input type = "submit" value = "Login"
name="submit_email" />
            </form>
            </div>
</body>
</html>
```

9. login-verify.php

```
<?php
include('config.php');
if(count($_POST)>0) {
    $result = mysqli_query($conn,"SELECT * FROM admin W
HERE username='" . $_POST["username"] . "' and password
 = '". $_POST["password"]."'");
    $count  = mysqli_num_rows($result);
    if($count==0) {
        echo "Invalid Username or Password!";
        header("Refresh: 3; url=login.php");
    } else {
        header("Location:index.php");
    }
}
?>
```

10. logout.php

```
<?php
session_start();
session_destroy();
header("Location:login.php");
?>
```

11. savedata.php

```php
<?php

 $stu_name = $_POST['sname'];
 $stu_address = $_POST['saddress'];
 $stu_class = $_POST['class'];
 $stu_phone = $_POST['sphone'];

$conn = mysqli_connect("localhost","root","","curd") or
 die("Connection Failed");

$sql = "INSERT INTO student(sname,saddress,sclass,sphon
e) VALUES ('{$stu_name}','{$stu_address}','{$stu_class}
','{$stu_phone}')";
$result = mysqli_query($conn, $sql) or die("Query Unsuc
cessful.");

header("Location: http://localhost/crud/index.php");

mysqli_close($conn);

?>
```

12.update.php

```php
<?php include 'header.php'; ?>
<div id="main-content">
    <h2>Edit Record</h2>
    <form class="post-
form" action="<?php $_SERVER['PHP_SELF']; ?>" method="p
ost">
        <div class="form-group">
            <label>Id</label>
            <input type="text" name="sid" />
        </div>
```

```
        <input class="submit" type="submit" name="showb
tn" value="Show" />
    </form>

    <?php
      if(isset($_POST['showbtn'])){
        include 'config.php';

        $stu_id = $_POST['sid'];

        $sql = "SELECT * FROM student WHERE sid = {$stu
_id}";
        $result = mysqli_query($conn, $sql) or die("Que
ry Unsuccessful.");

        if(mysqli_num_rows($result) > 0)  {
          while($row = mysqli_fetch_assoc($result)){
    ?>
    <form class="post-
form" action="updatedata.php" method="post">
        <div class="form-group">
            <label for="">Name</label>
            <input type="hidden" name="sid"  value="<?p
hp echo $row['sid']; ?>" />
            <input type="text" name="sname" value="<?ph
p echo $row['sname']; ?>" />
        </div>
        <div class="form-group">
            <label>Address</label>
            <input type="text" name="saddress" value="<
?php echo $row['saddress']; ?>" />
        </div>
        <div class="form-group">
        <label>Class</label>
        <?php
          $sql1 = "SELECT * FROM studentclass";
          $result1 = mysqli_query($conn, $sql1) or die(
"Query Unsuccessful.");
```

```
            if(mysqli_num_rows($result1) > 0)  {
              echo '<select name="sclass">';
              while($row1 = mysqli_fetch_assoc($result1))
{
                if($row['sclass'] == $row1['cid']){
                  $select = "selected";
                }else{
                  $select = "";
                }
                echo  "<option {$select} value='{$row1['c
id']}'>{$row1['cname']}</option>";
              }
          echo "</select>";
        }
            ?>
          </div>
          <div class="form-group">
              <label>Phone</label>
              <input type="text" name="sphone" value="<?p
hp echo $row['sphone']; ?>" />
          </div>
      <input class="submit" type="submit" value="Update"
 />
      </form>
      <?php
    }
}
}

      ?>
</div>
</div>
</body>
</html>
```

13.updatedata.php

```php
<?php
$stu_id = $_POST['sid'];
$stu_name = $_POST['sname'];
$stu_address = $_POST['saddress'];
$stu_class = $_POST['sclass'];
$stu_phone = $_POST['sphone'];

include 'config.php';

$sql = "UPDATE student SET sname = '{$stu_name}', saddr
ess = '{$stu_address}',sclass = '{$stu_class}', sphone
= '{$stu_phone}' WHERE sid = {$stu_id}";
$result = mysqli_query($conn, $sql) or die("Query Unsuc
cessful.");

header("Location: http://localhost/crud/index.php");

mysqli_close($conn);

?>
```

14.login.css

```css
#login
{
    width:30%;
    height: 300px;
    margin-left: auto;
    margin-right: auto;
    margin-top: 250px;;
    background-color: #BC1A3A;
    border-radius: 20px;
}
h1{
    text-align: center;
    color: white;
```

```
    font-
family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida G
rande', 'Lucida Sans Unicode', Geneva, Verdana, sans-
serif;
}
input[type=text],input[type=password]
{
    padding: 12px 20px;
    margin-bottom: 20px;
    border: 1px solid #ccc;
    border-radius: 4px;
    width: 40%;
    margin-top: 10px;
    margin-left: 100px;
}
input[type=submit]
{
    width:100px;
    height:40px;
    color: white;
    background-color: gainsboro;
    border-radius: 4px;
    cursor: pointer;
    margin-left: 160px;
}
```

15.style.css

```
body{
    font:16px arial;
    margin: 0;
    padding: 0;
    background: #d1d1d1;
}
#wrapper{
    width: 1000px;
    margin: 50px auto 0;
    background-color: #fff;
```

```
}

#header{
    text-align: center;
    background-color: #BC1A3A;
    padding: 10px;
}

#header h1{
    color: #fff;
    font-size: 40px;
    font-style: italic;
    font-weight: 700;
    text-transform: uppercase;
    margin: 0;
}

#menu{
    background-color: #333;
}
#menu ul{
    font-size: 0;
    padding: 0 10px;
    margin: 0;
    list-style: none;
}
#menu ul li{
    display: inline-block;
}
#menu ul li a{
    color: #fff;
    font-size: 16px;
    font-weight: 600;
    padding: 8px 10px;
    display: block;
    text-decoration: none;
    text-transform: uppercase;
    transition: all 0.3s ease;
```

```
}

#menu ul li a:hover{
    background-color: rgba(255,255,255,0.2);
}

#main-content{
     padding: 25px;
    min-height: 400px;
}
#main-content h2{
    margin: 0 0 10px;
    text-transform: capitalize;
}

#main-content table{
    width: 100%;
    background-color: #555;
    margin: 0 0 20px;
}

#main-content table th{
    color: #fff;
    background-color: #333;
    text-transform: uppercase;
}
#main-content table th:last-child{
    width: 130px;
}
#main-content table td{
    background-color: #fff;
}
#main-content table td a{
    font-size: 14px;
    font-weight: 600;
    text-transform: uppercase;
    padding: 3px 7px;
    color: #fff;
```

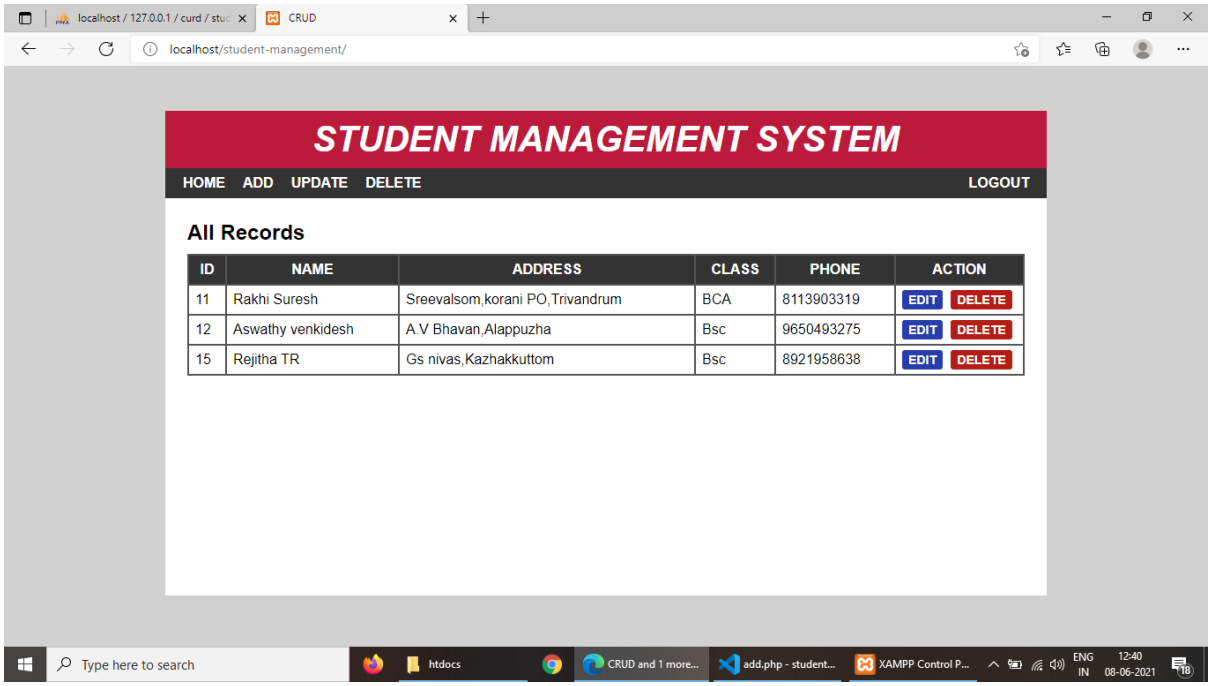
```
    background-color: #273dab;
    text-decoration: none;
    border-radius: 3px;
}
#main-content table td a:nth-child(2){
    background-color: #b31d15;
    margin: 0 0 0 5px;
}

#main-content .post-form{
    width: 50%;
    padding: 25px;
    margin: 0 auto 10px;
    background-color: #BC1A3A;
    border-radius: 10px;
}

#main-content .post-form .form-group{
    margin: 0 0 15px;
}

#main-content .post-form .form-group label{
    width: 30%;
    display: inline-block;
    font-weight: 600;
}
#main-content .post-form .form-group input,
#main-content .post-form .form-group select{
    font-size: 16px;
    width: 66%;
    display: inline-block;
    padding: 5px;
    margin: 0;
}
#main-content .post-form .form-group select{
    width: 69%;
}
```

```css
#main-content .post-form .submit{
    font-size: 17px;
    letter-spacing: 1px;
    text-transform: uppercase;
    padding: 5px 10px;
    color: #fff;
    background-color: #372f2f;
    border: none;
    border-radius: 5px;
    margin: 0 0 0 30%;
    cursor: pointer;
    transition: all 0.3s;
}

#main-content .post-form .submit:hover{
    box-shadow: 0 0 5px #555;
}

#main-content .pagination{
    padding: 0;
    margin: 0;
    list-style: none;
}

#main-content .pagination li{
    display: inline-block;
}

#main-content .pagination li a{
    height: 30px;
    width: 30px;
    line-height: 30px;
    font-size: 18px;
    text-align: center;
    text-decoration: none;
    color: #fff;
    background-color: #1abc9c;
    display: block;
```

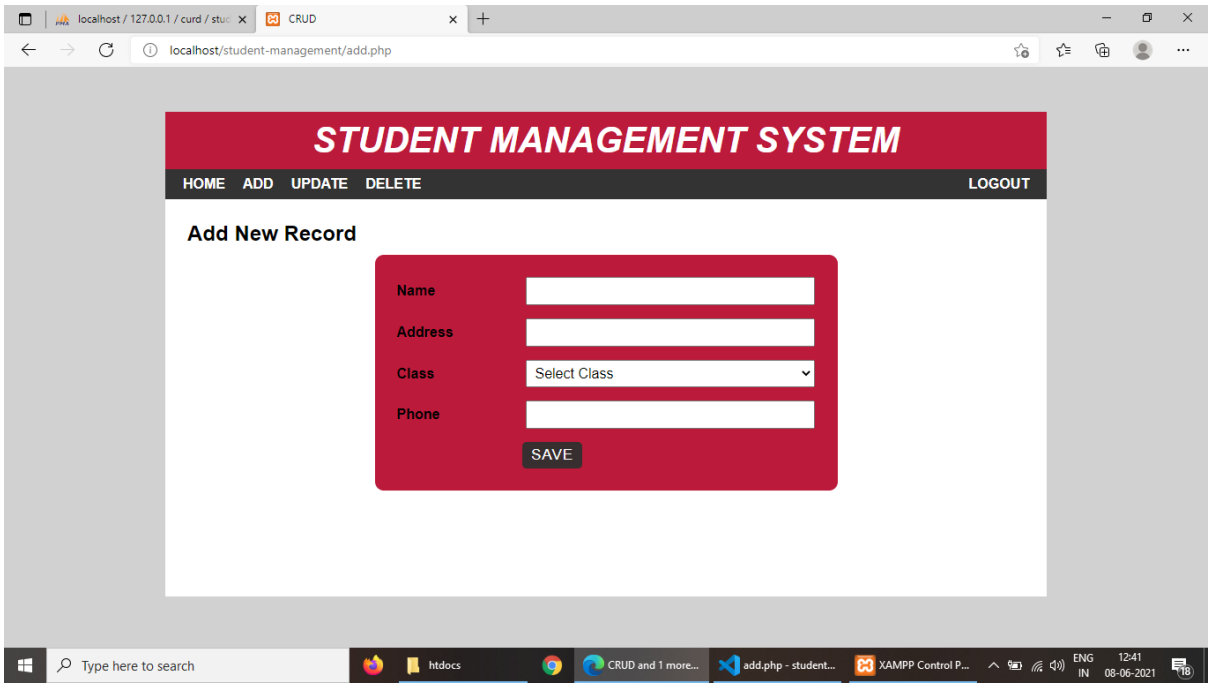
```
    margin: 0 5px 0 0;
    transition: all 0.3s;
}

#main-content .pagination li a:hover{
    background-color: #333;
}
```

6.3. SCREENSHOTS

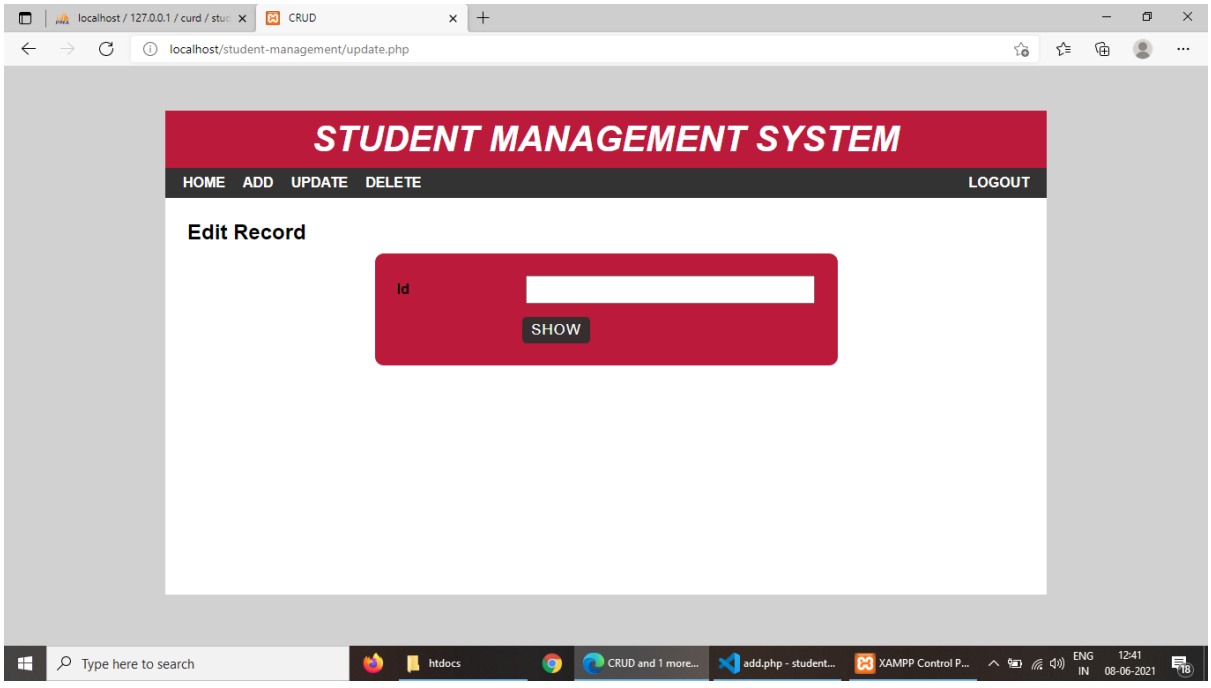
1.Home page



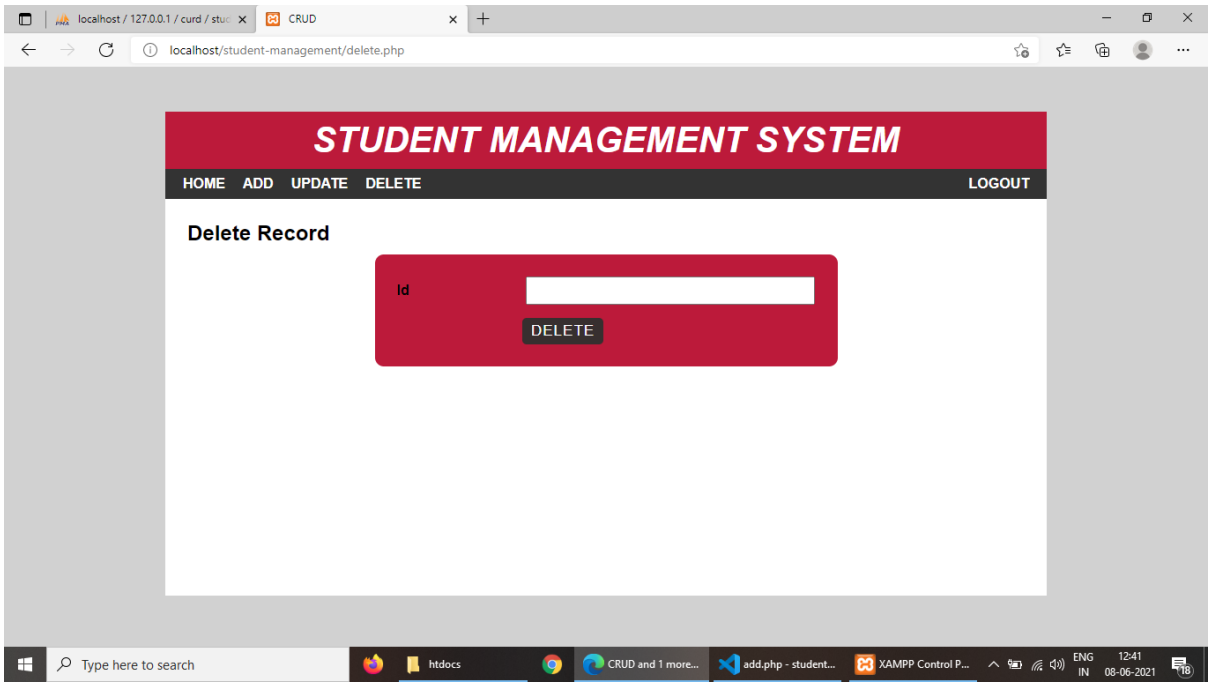
2.Add New Record



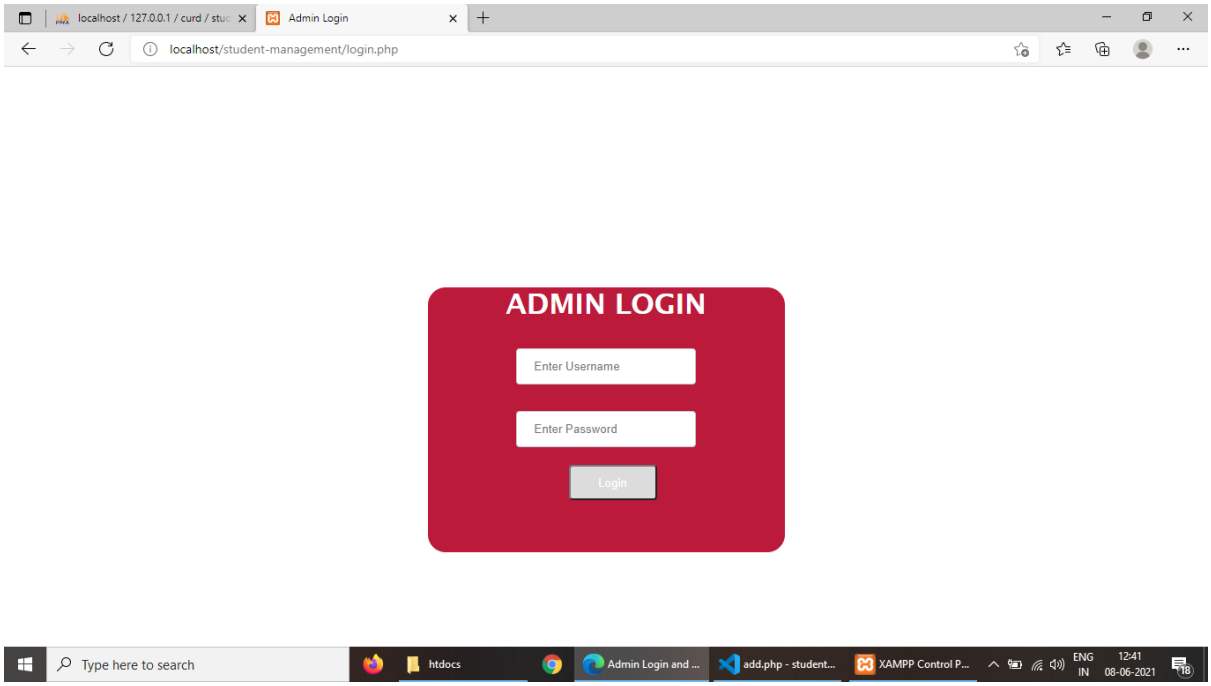
3.Update Record



4. Delete Record



5.Admin login



7. CONCLUSION

Student information management system lead to a better organization structure since the information management of the students is well structured and also lead to better as well as efficient utilization of resources. Student Information Management System can be used by education institutes to maintain the records of students easily. Achieving this objective is difficult using a manual system as the information is scattered, can be redundant and collecting relevant information may be very time consuming. All these problems are solved using this project

8. REFERENCE

- www.google.com.
- www.wikipedia.com
- www.w3schools.com