Green University of Bangladesh

Project Report

On

Student Management System Using PHP & MySQL

Course Code: CSE 310

Course Title: Database System Lab

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Date of Submission: 23 October 2020

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1. INTRODUCTION

The project is about Student management system.

A student management system is a software or student administration system which is also called a management information system for education establishments used to manage student data.

2. BACKGROUND

A student management system helps a student to manage data, communications and scheduling. A student management system generates and uses a large amount of data. In this project the data must be communicated appropriately to students and the admin can also add faculty, parents etc. There is some benefit of student management system such as:

- Improves the general performance of students.
- Improved communication.
- Can be accessed by all parties involved.
- Efficient management and organization of timetables.
- Helps to keep track of all students.
- Reduction of human labour, papers and workload.
- Provide a means to advice students.
- Helps to build a strong alumni.

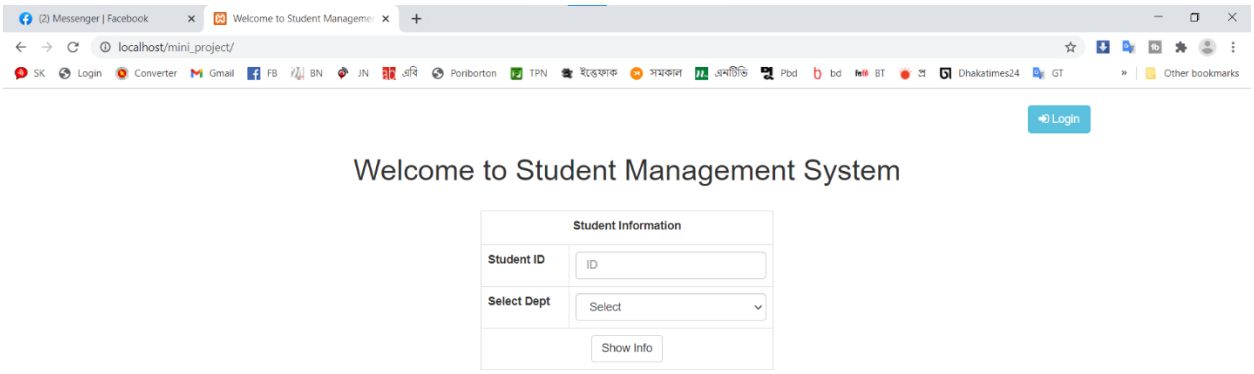
We can easily find out the information about any students through this project which is also very effective for such kind of other relevant work. There might have thousands of students, without this project we need to search each student individually which is very time consuming.

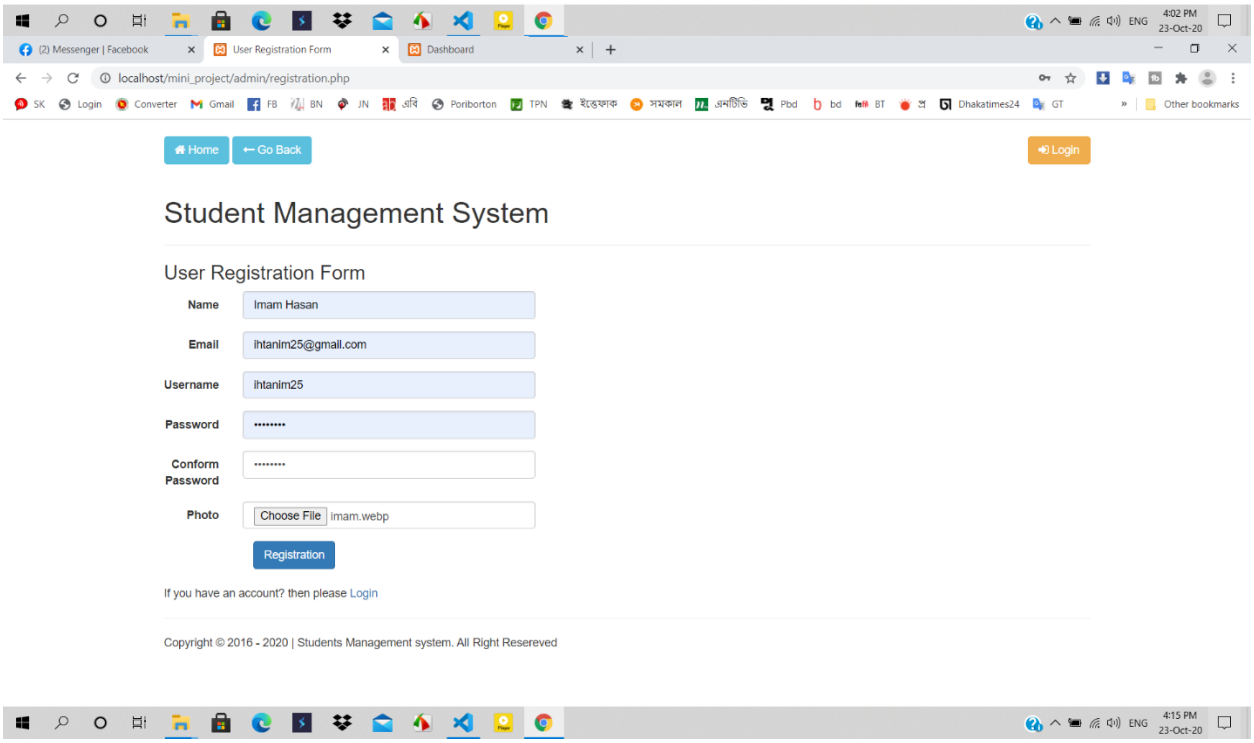
3. REQUIREMENTS & DESIGN

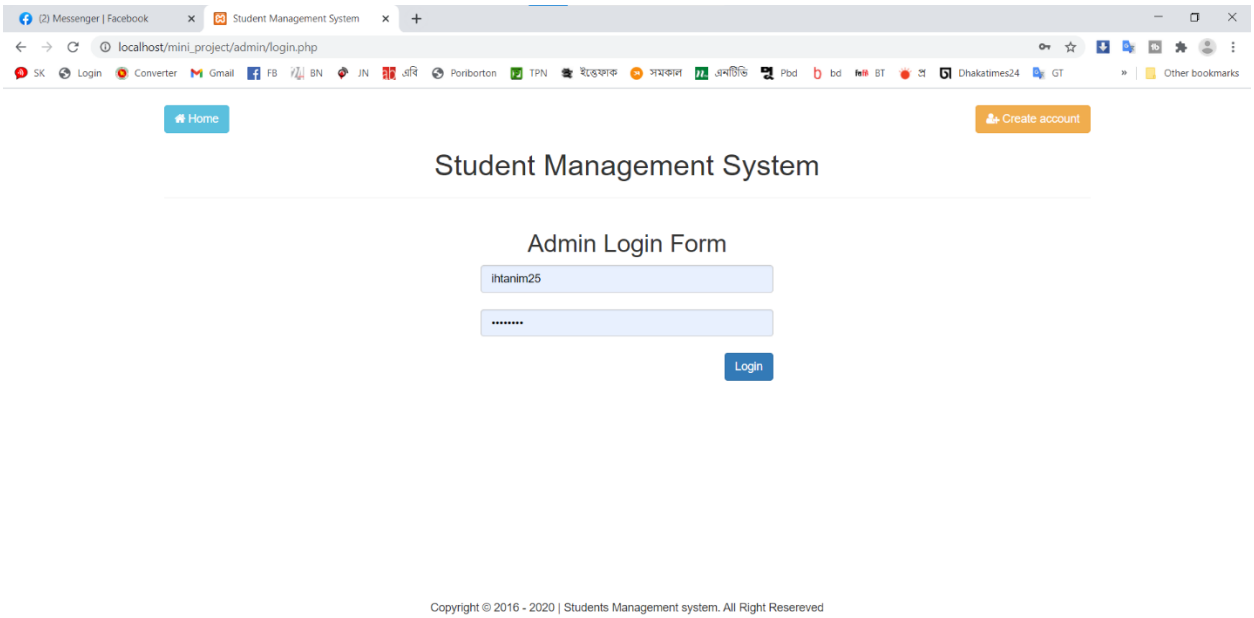
Equipment's:

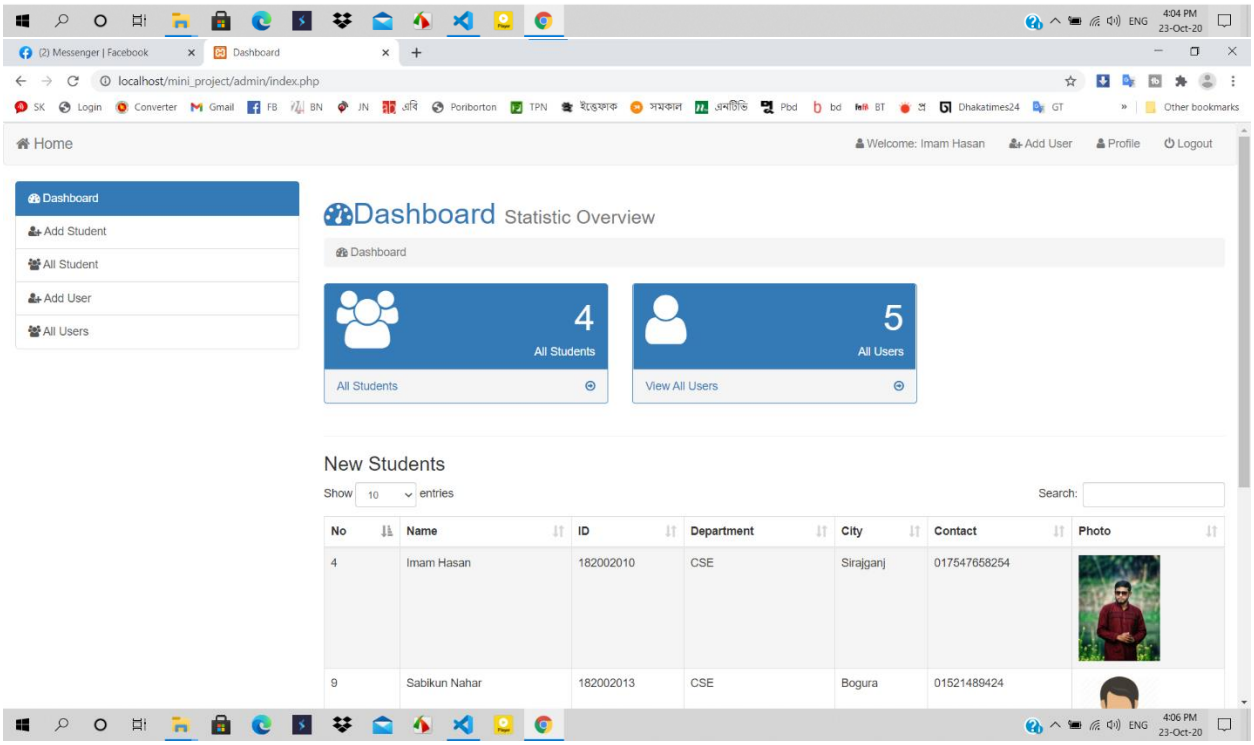
- ✓ Operating System(Windows 10)
- ✓ MySQL Database
- ✓ PHP Language
- ✓ Xampp
- ✓ Visual Studio Code
- ✓ Bootstrap v3.3.6
- ✓ Font-Awesome v4.7.0
- ✓ Web Browser (Google Chrome)

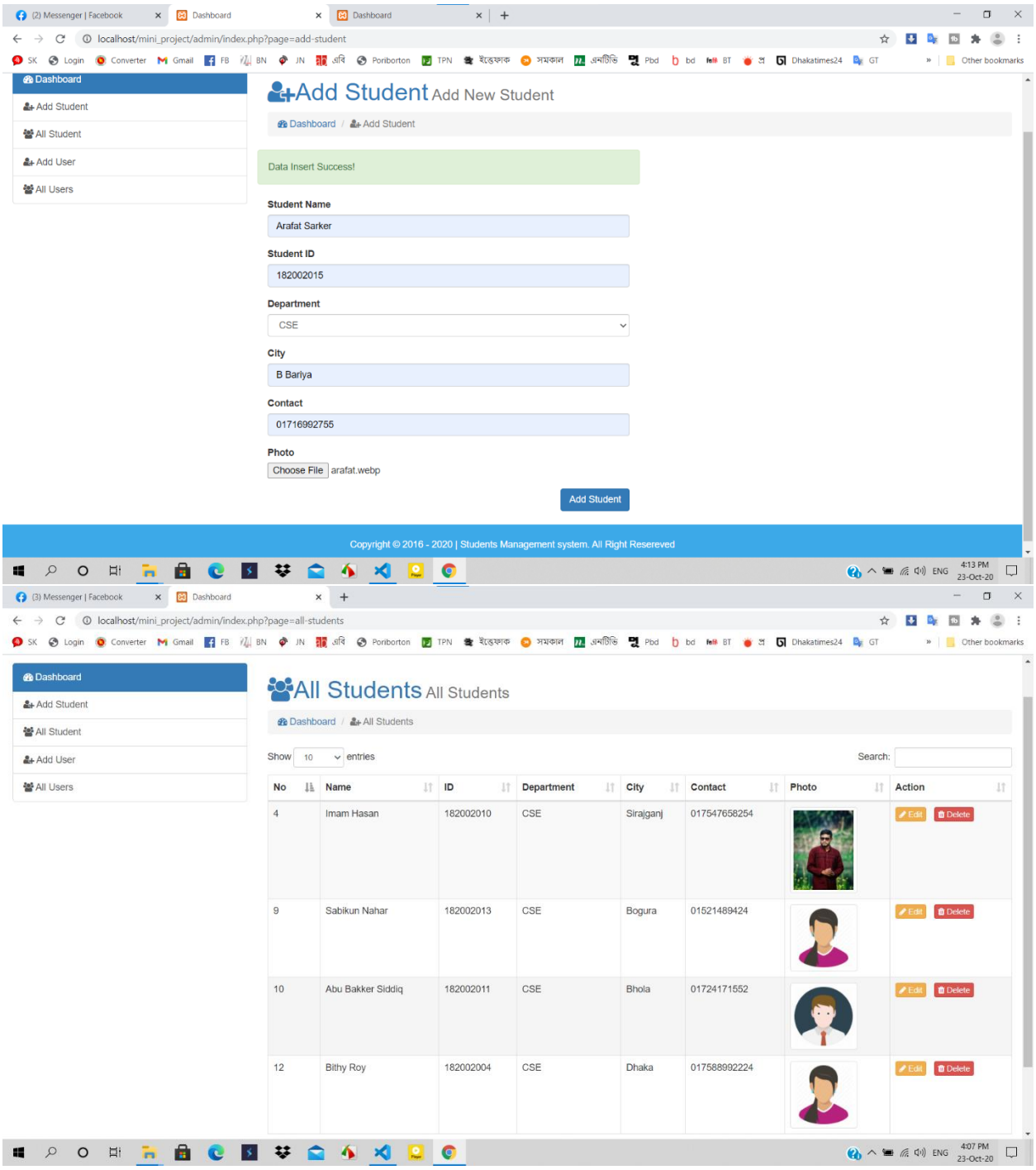
User Interface of this Project:

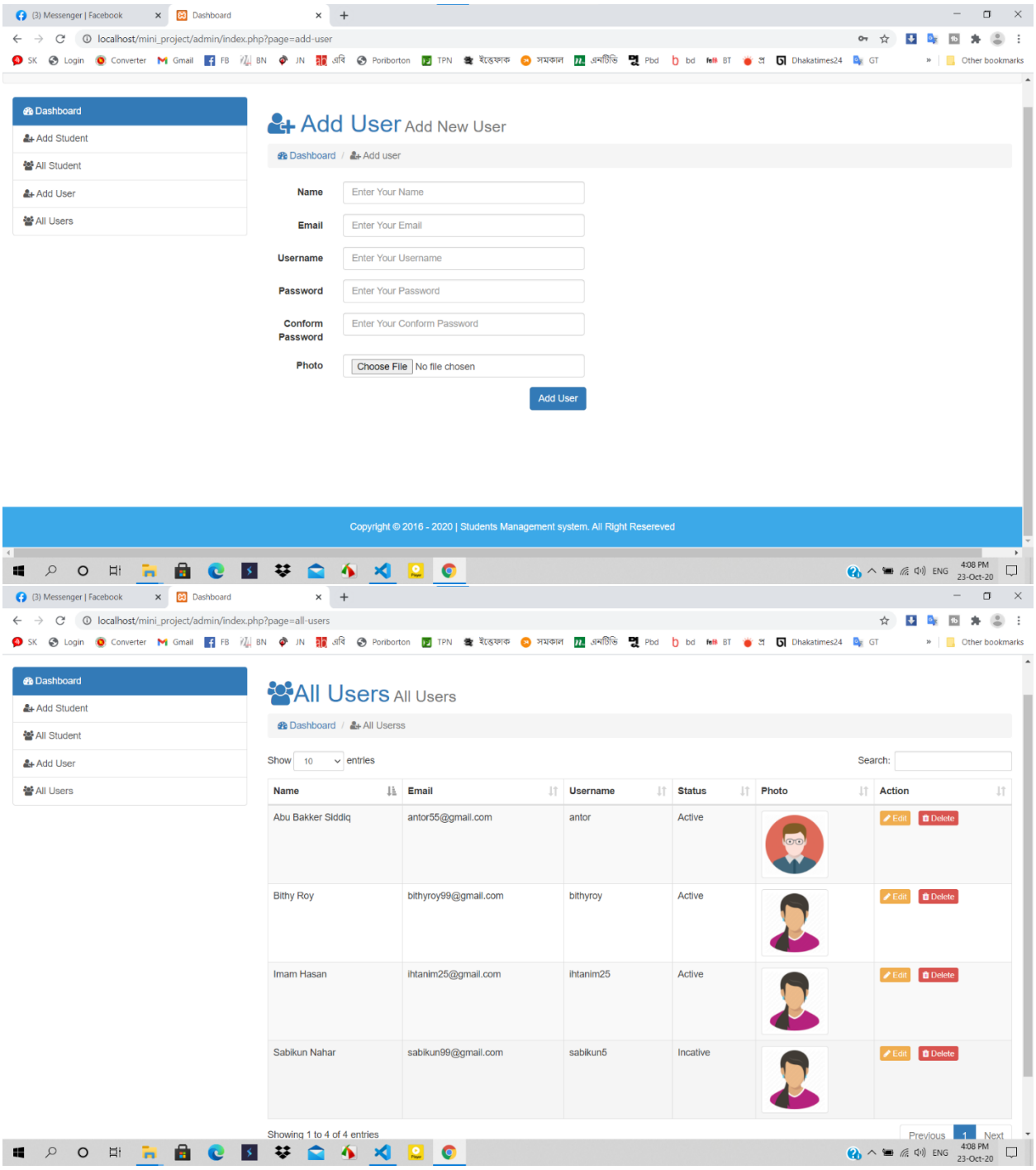


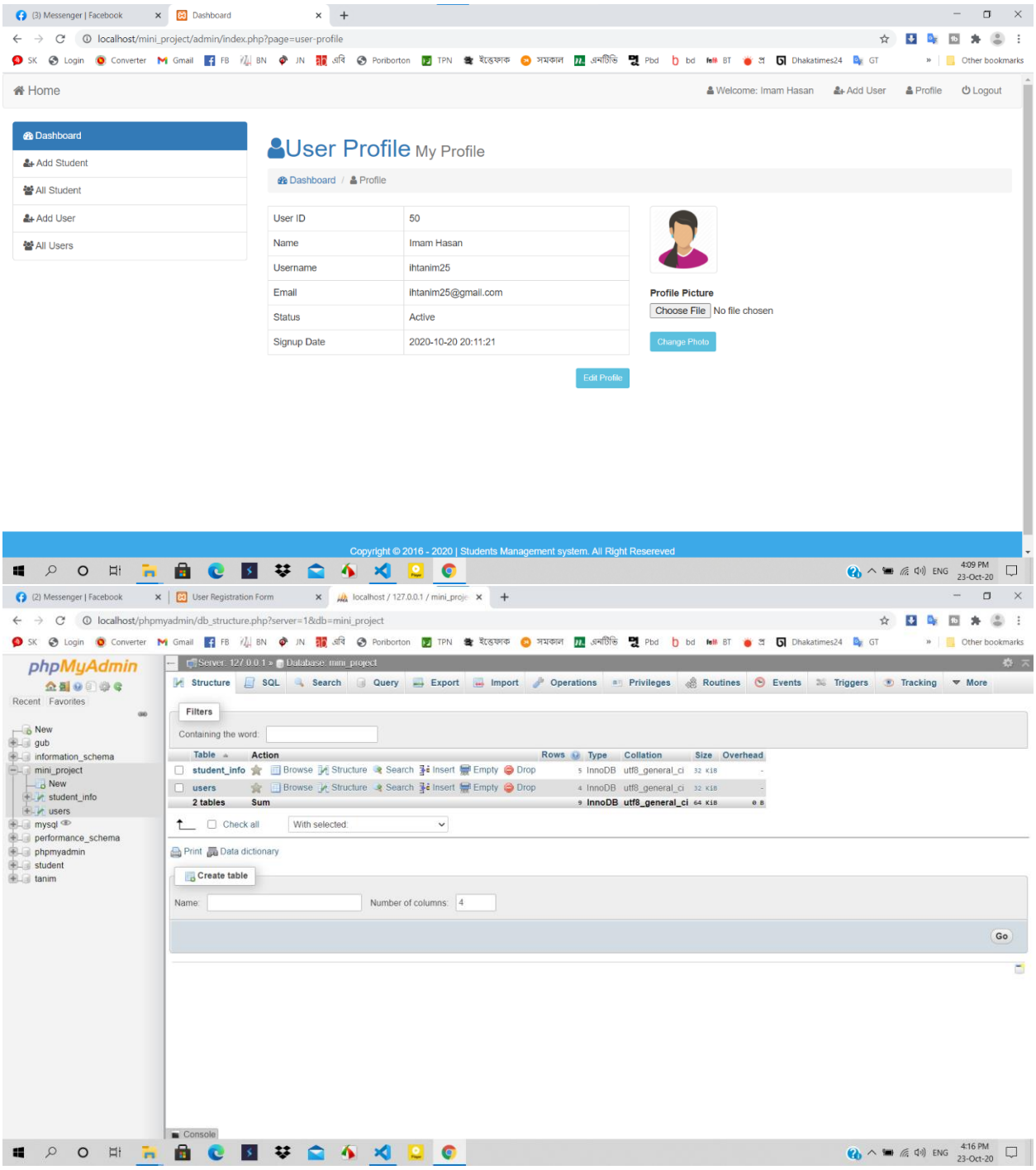


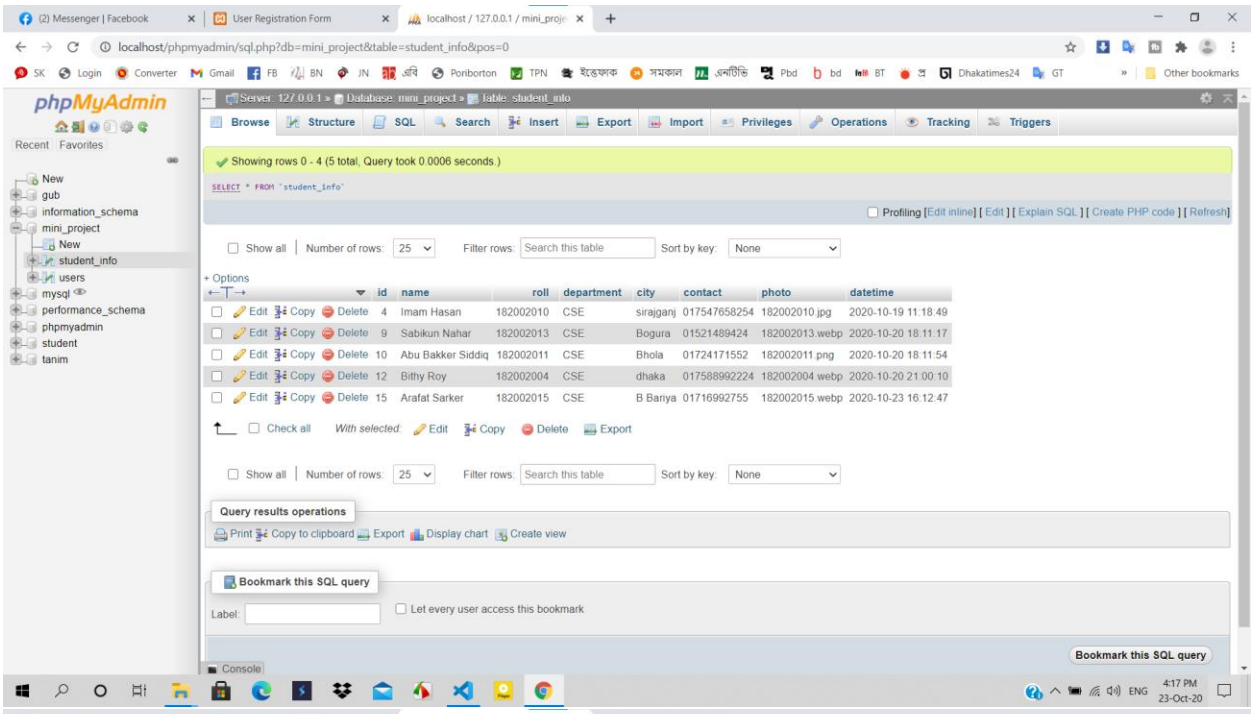

(2) Messenger | Facebook
Student Management System
localhost/mini_project/admin/login.php
Home
Create account
Student Management System
Admin Login Form
ihtanim25
Login
Copyright © 2016 - 2020 | Students Management system. All Right Resereved

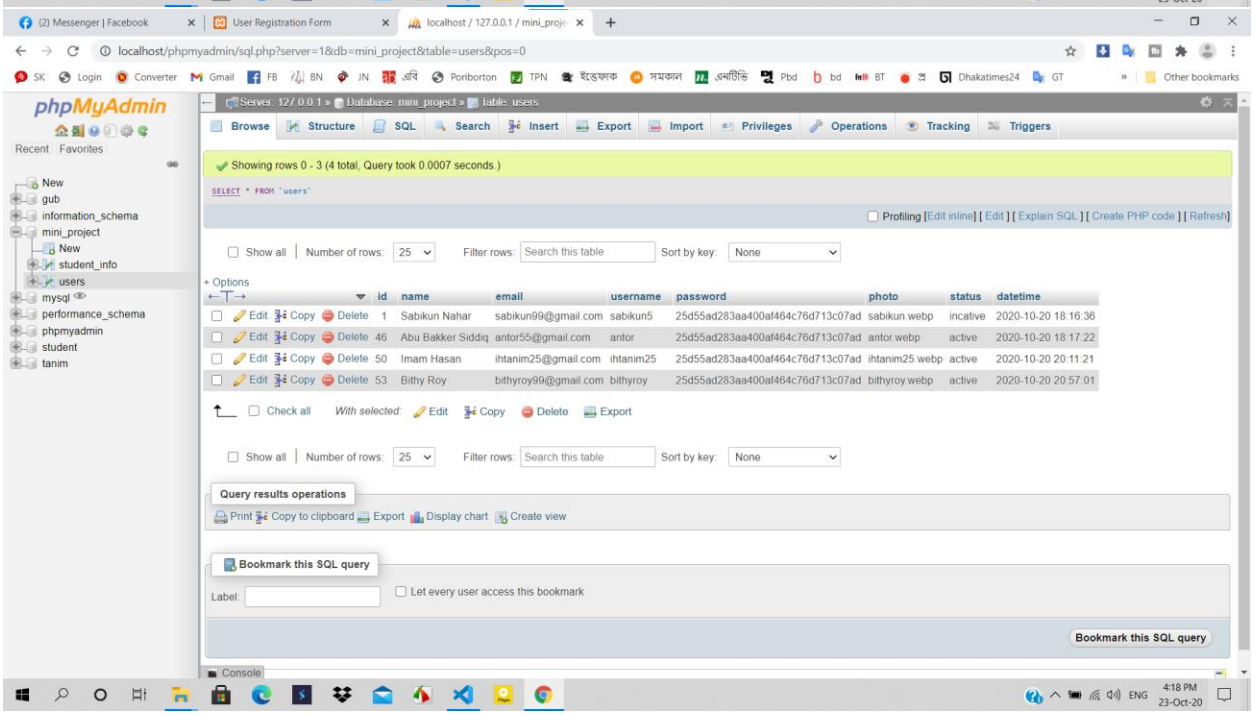

Dashboard
localhost/mini_project/admin/index.php
Home
Welcome: Imam Hasan
Add User
Profile
Logout
Dashboard
Add Student
All Student
Add User
All Users
Dashboard Statistic Overview
4
All Students
5
All Users
New Students
Search:
No
Name
ID
Department
City
Contact
Photo
4
Imam Hasan
182002010
CSE
Sirajganj
017547658254
9
Sabikun Nahar
182002013
CSE
Bogura
01521489424

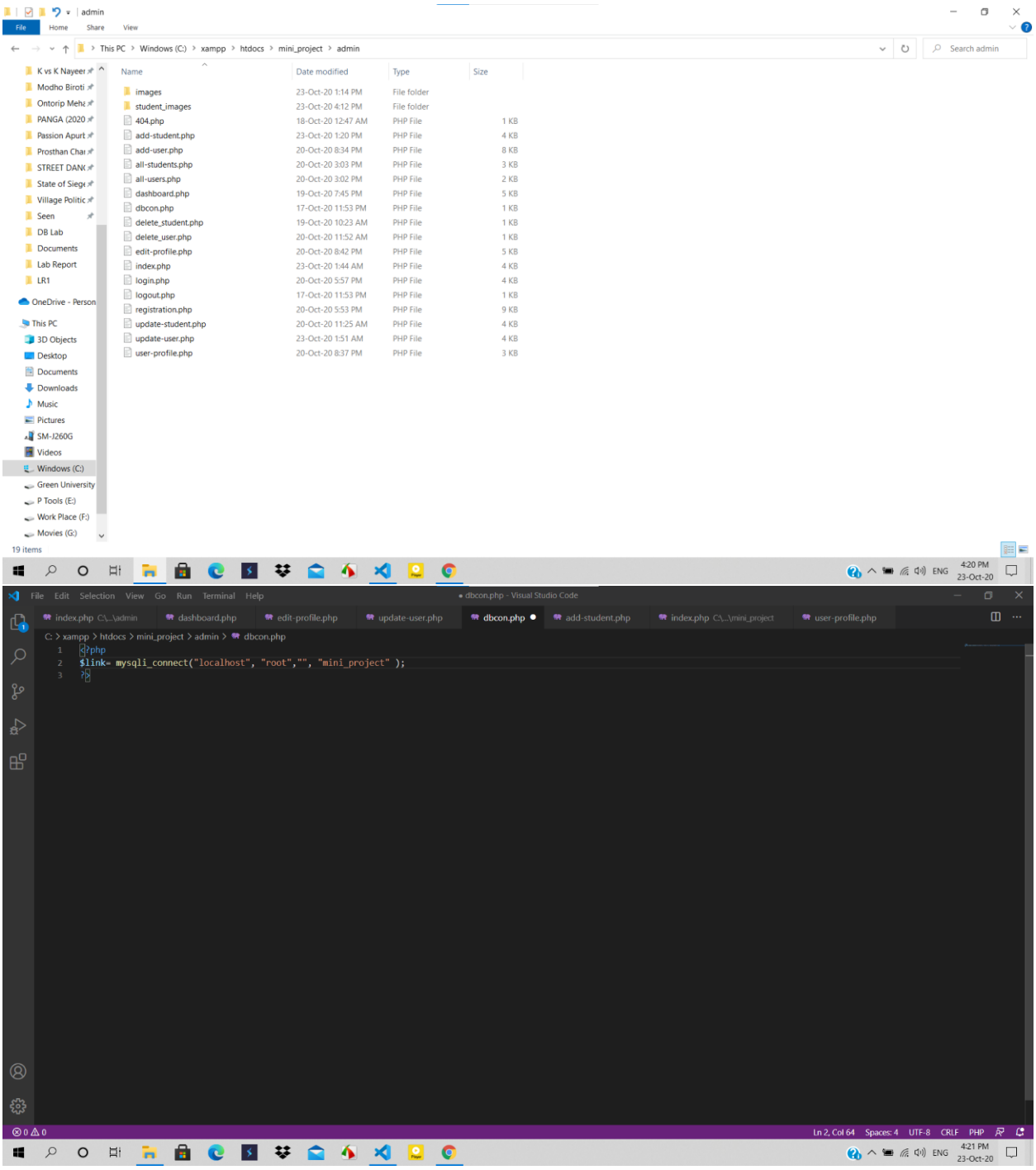

Dashboard
Add Student
All Student
Add User
All Users
Add Student Add New Student
Dashboard / Add Student
Data Insert Success!
Student Name
Arafat Sarker
Student ID
182002015
Department
CSE
City
B Barlya
Contact
01716992755
Photo
Choose File arafat.webp
Add Student
Copyright © 2016 - 2020 | Students Management system. All Right Resereved
All Students All Students
Dashboard / All Students
Show 10 entries
Search:
No Name ID Department City Contact Photo Action
4 Imam Hasan 182002010 CSE Sirajganj 017547658254 Edit Delete
9 Sabikun Nahar 182002013 CSE Bogura 01521489424 Edit Delete
10 Abu Bakker Siddiq 182002011 CSE Bhola 01724171552 Edit Delete
12 Bithy Roy 182002004 CSE Dhaka 017588992224 Edit Delete


(3) Messenger | Facebook
Dashboard
localhost/mini_project/admin/index.php?page=add-user
Dashboard
Add Student
All Student
Add User
All Users
Add User Add New User
Dashboard / Add user
Name
Enter Your Name
Email
Enter Your Email
Username
Enter Your Username
Password
Enter Your Password
Conform Password
Enter Your Conform Password
Photo
Choose File No file chosen
Add User
Copyright © 2016 - 2020 | Students Management system. All Right Resereved
localhost/mini_project/admin/index.php?page=all-users
All Users All Users
Dashboard / All Userss
Show 10 entries
Search:
Name
Email
Username
Status
Photo
Action
Abu Bakker Siddiq
antor55@gmail.com
antor
Active
Edit
Delete
Bithy Roy
bithyroy99@gmail.com
bithyroy
Active
Edit
Delete
Imam Hasan
ihtanim25@gmail.com
ihtanim25
Active
Edit
Delete
Sabikun Nahar
sabikun99@gmail.com
sabikun5
Incative
Edit
Delete
Showing 1 to 4 of 4 entries
Previous
1
Next


(3) Messenger | Facebook
Dashboard
localhost/mini_project/admin/index.php?page=user-profile
Home
Welcome: Imam Hasan
Add User
Profile
Logout
Dashboard
Add Student
All Student
Add User
All Users
User Profile My Profile
Dashboard / Profile
User ID 50
Name Imam Hasan
Username ihtanim25
Email ihtanim25@gmail.com
Status Active
Signup Date 2020-10-20 20:11:21
Profile Picture
Choose File No file chosen
Change Photo
Edit Profile
Copyright © 2016 - 2020 | Students Management system. All Right Resereved
(2) Messenger | Facebook
User Registration Form
localhost / 127.0.0.1 / mini_proje
localhost/phpmyadmin/db_structure.php?server=1&db=mini_project
phpMyAdmin
Recent Favorites
New
gub
information_schema
mini_project
New
student_info
users
mysql
performance_schema
phpmyadmin
student
tanim
Server: 127.0.0.1 » Database: mini_project
Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Tracking More
Filters
Containing the word:
Table Action Rows Type Collation Size Overhead
student_info Browse Structure Search Insert Empty Drop 5 InnoDB utf8_general_ci 32 KiB -
users Browse Structure Search Insert Empty Drop 4 InnoDB utf8_general_ci 32 KiB -
2 tables Sum 9 InnoDB utf8_general_ci 64 KiB 0 B
Check all With selected:
Print Data dictionary
Create table
Name: Number of columns: 4
Go
Console


phpMyAdmin
Server: 127.0.0.1 » Database: mini_project » Table: student_info
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Showing rows 0 - 4 (5 total, Query took 0.0006 seconds.)
SELECT * FROM `student_info`
id name roll department city contact photo datetime
4 Imam Hasan 182002010 CSE sirajganj 01754765825 4 182002010.jpg 2020-10-19 11:18:49
9 Sabikun Nahar 182002013 CSE Bogura 01521489424 182002013.webp 2020-10-20 18:11:17
10 Abu Bakker Siddiq 182002011 CSE Bhola 01724171552 182002011.png 2020-10-20 18:11:54
12 Bithy Roy 182002004 CSE dhaka 01758899224 4 182002004.webp 2020-10-20 21:00:10
15 Arafat Sarker 182002015 CSE B Bariya 01716992755 182002015.webp 2020-10-23 16:12:47
Query results operations
Bookmark this SQL query


phpMyAdmin
Server: 127.0.0.1 » Database: mini_project » Table: users
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Showing rows 0 - 3 (4 total, Query took 0.0007 seconds.)
SELECT * FROM `users`
id name email username password photo status datetime
1 Sabikun Nahar sabikun99@gmail.com sabikun5 25d55ad283aa400af464c76d713c07ad sabikun.webp incative 2020-10-20 18:16:36
46 Abu Bakker Siddiq antor55@gmail.com antor 25d55ad283aa400af464c76d713c07ad antor.webp active 2020-10-20 18:17:22
50 Imam Hasan ihtanim25@gmail.com ihtanim25 25d55ad283aa400af464c76d713c07ad ihtanim25.webp active 2020-10-20 20:11:21
53 Bithy Roy bithyroy99@gmail.com bithyroy 25d55ad283aa400af464c76d713c07ad bithyroy.webp active 2020-10-20 20:57:01
Query results operations
Bookmark this SQL query


admin
File Home Share View
This PC > Windows (C:) > xampp > htdocs > mini_project > admin
Search admin
Name Date modified Type Size
images 23-Oct-20 1:14 PM File folder
student_images 23-Oct-20 4:12 PM File folder
404.php 18-Oct-20 12:47 AM PHP File 1 KB
add-student.php 23-Oct-20 1:20 PM PHP File 4 KB
add-user.php 20-Oct-20 8:34 PM PHP File 8 KB
all-students.php 20-Oct-20 3:03 PM PHP File 3 KB
all-users.php 20-Oct-20 3:02 PM PHP File 2 KB
dashboard.php 19-Oct-20 7:45 PM PHP File 5 KB
dbcon.php 17-Oct-20 11:53 PM PHP File 1 KB
delete_student.php 19-Oct-20 10:23 AM PHP File 1 KB
delete_user.php 20-Oct-20 11:52 AM PHP File 1 KB
edit-profile.php 20-Oct-20 8:42 PM PHP File 5 KB
index.php 23-Oct-20 1:44 AM PHP File 4 KB
login.php 20-Oct-20 5:57 PM PHP File 4 KB
logout.php 17-Oct-20 11:53 PM PHP File 1 KB
registration.php 20-Oct-20 5:53 PM PHP File 9 KB
update-student.php 20-Oct-20 11:25 AM PHP File 4 KB
update-user.php 23-Oct-20 1:51 AM PHP File 4 KB
user-profile.php 20-Oct-20 8:37 PM PHP File 3 KB
19 items
File Edit Selection View Go Run Terminal Help
dbcon.php - Visual Studio Code
index.php C:\...\admin
dashboard.php
edit-profile.php
update-user.php
dbcon.php
add-student.php
index.php C:\...\mini_project
user-profile.php
C: > xampp > htdocs > mini_project > admin > dbcon.php
<?php
$link= mysqli_connect("localhost", "root","", "mini_project");
?>
Ln 2, Col 64 Spaces: 4 UTF-8 CRLF PHP
ENG 4:20 PM 23-Oct-20
ENG 4:21 PM 23-Oct-20

4. IMPLEMENTATION

Code of this project:

Database_connection.php | Page

```
<?php
$link= mysqli_connect("localhost", "root","", "mini_project" );
?>
```

Index.php | Page

```
<!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">
    <title>Welcome to Student Management System</title>
    <link href="css/bootstrap.min.css" rel="stylesheet">
    <link href="css/font-awesome.min.css" rel="stylesheet">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.j
s"></script>
    <!-
- Include all compiled plugins (below), or include individual files as needed -->
    <script src="js/bootstrap.min.js"></script>
</head>

<body>
    <div class="container"><br>
        <a class="btn btn-info pull-
right" href="admin/login.php"> <i class="fa fa-sign-in"></i> Login</a><br><br>
        <h1 class="text-center">Welcome to Student Management System</h1> <br>
        <div class="row">
            <div class="col-sm-4 col-sm-offset-4">
                <form action="" method="POST">
                    <table class="table table-bordered">
                        <tr>
                            <td class="text-
center" colspan="2"> <label>Student Information</label></td>
                        </tr>
                        <tr>
                            <td> <label for="roll">Student ID </label></td>
                            <td> <input class="form-
control" type="text" name="roll" pattern="[0-9]{9}"
                                placeholder="ID"></td>
                        </tr>
```

```
                        <tr>
                            <td> <label for="department">Select Dept </label></td
>
                            <td>
                                <select class="form-
control" name="department" id="department">
                                        <option value="">Select</option>
                                        <option value="CSE">CSE</option>
                                        <option value="EEE">EEE</option>
                                        <option value="TE">TE</option>
                                        <option value="BBA">BBA</option>
                                        <option value="LLB">LLB</option>
                                        <option value="NURSE">NURSING</option>
                                </select>
                            </td>
                        </tr>
                        <tr>
                            <td class="text-
center" colspan="2"> <input class="btn btn-default" type="submit"
                                        value="Show Info" name="show_info"></td>
                        </tr>
                    </table>
            </div>
        </div>
        </form>
        <br><br>
        <?php
          require_once './admin/dbcon.php';
          if(isset($_POST['show_info'])){
              $dept = $_POST['department'];
              $roll = $_POST['roll'];
              $result =  mysqli_query($link, "SELECT * FROM `student_info` WHERE
`department`='$dept' and `roll`='$roll'");
              if(mysqli_num_rows($result) == 1){
                  $row = mysqli_fetch_assoc($result);
                ?>
        <div class="row">
            <div class="col-sm-6 col-sm-offset-3">
                <table class="table table-bordered">
                    <tr>
                        <td rowspan="5"><img style=" width:100px;" class="img-
thumbnail"
                                src="admin/student_images/<?= $row['photo']; ?>"
alt=""></td>
                        <td>Name</td>
```

```
                    <td><?= ucwords($row['name']); ?></td>
                </tr>
                <tr>
                    <td>ID</td>
                    <td><?= $row['roll']; ?></td>
                </tr>
                <tr>
                    <td>Departmenet</td>
                    <td><?= $row['department']; ?></td>
                </tr>
                <tr>
                    <td>City</td>
                    <td><?= ucwords($row['city']); ?></td>
                </tr>
                <tr>
                    <td>Contact</td>
                    <td><?= $row['contact']; ?></td>
                </tr>
            </table>
        </div>
    </div>
    <footer>
        <p style="text-align: center; margin-
top:20px;">Copyright &copy; 2016 - <?= date('Y')  ?> | Students
            Management system. All Right Resereved</p>
    </footer>
    <?php
        } else {
        ?>
    <script type="text/javascript">
        alert('Data Not Found');
    </script>
    <?php }}?>
</div>
</body>

</html>
```

Basic description of the code:

We used PHP to create connection with the database.
Html format is used for basic structure of this project.
For Styling, we used Bootstrap v3.3.6 in CSS and for icon we used font-awesome v4.7.0. We used PHP in html tag to show the database values in the index.php page(\Home Page). In the similar way, we designed the other pages.

Problem we face:

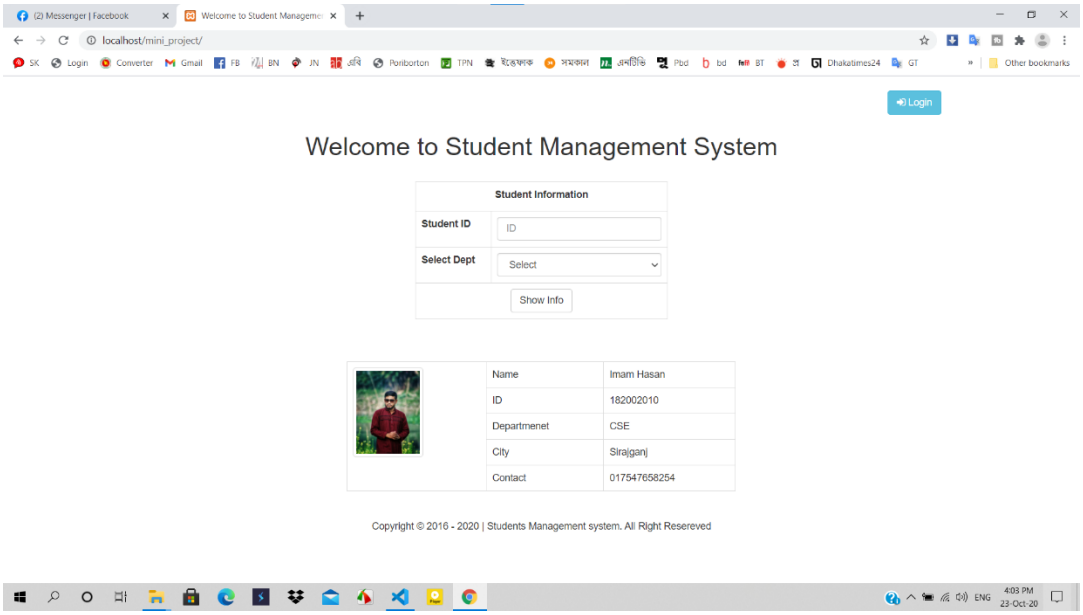
- At first, we can't connect to the PHP with the database.
- For syntax error we can't insert, update, and view the data.
- Finally we faced, everybody can easily login to the admin panel.

Solution of the Problem:

- With the help of google, we can connect to the PHP with the database.
- We solved syntax error.
- Using admin approval, we fixed the problem.

5. RESULTS AND EVALUATION

Final output:



After this we will get the final output as expected. Including data, proper information for specific students.

6. CONCLUSIONS

In this project we inspired from our GUB student management system. In our last semester we learned about PHP language for backend design of SMS in web design. That's why it is quite easy for us to use it in our project design. Our dream was to ensure all the information of the students in a SMS. And finally when we complete our project, the output is as per our desire. In future by this project, we can learn more details about any student or faculty or staffs of university or any educational institution.

7. REFERENCES

- Mr. Gulzar Hussian (As instructor)
- YouTube Channel- Motaleb Hossain (For idea)
- Google (For fixing specific problem)
- Team 'Code Blacks' (Team work)