LONG TERM INTERNSHIP

SCHOOL MANAGEMENT SYSTEM

A Project Submitted In Partial Fulfillment of the Requirements for The Degree Of

BACHELOR OF COMPUTER SCIENCE

By

KALYANAPU NANDINI

Regd.No.720131905025

Under the esteemed guidance of

Y.KRISHNA

Lecturer in Computer Science

Pydah College for Women

PYDAH

PYDAH COLLEGE FOR WOMEN

AFFILIATED TO ANDHRA UNIVERSITY

VISAKHAPATNAM

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(Affiliated by Andhra University)

Visakhapatnam

PYDAH

CERTIFICATE

This is to certify that this is a bonafide project work entitled **"SCHOOL MANAGEMENT SYSTEM"** by **KALYANAPU NANDINI** bearing regd.no.**720131905025** student of bachelor of computer science in pydah college for women, Andhra university during period 2022-2023

Y.KRISHNA

(Project Guide)

External:

HOD

DECLARATION

I hereby declare that this project entitled **"SCHOOL MANAGEMENT SYSTEM"** has been prepared by me and submitted to Pydah College for women, Visakhapatnam and this project has not been submitted to any other in institute previously.

Visakhapatnam

Date: Aug 2, 2023.

Name:
Kalyanapu. Nandini

School Management System

CONTEXT

1.Objectives

2.Input and Output

3.Details of Modules

4.Usecase Diagrams

5.Tools/Platforms/Languages

6.Coding(PHP and My Sql)

7.Database Tables

8.Output Screens

9.Test Cases

10.Limitations of the Project

11.Scope of Future Reference

Bibilography

1.OBJECTIVES

Online School management system is a web application, verymuch used for all schools, colleges. Now a days in schools and colleges it is difficult to maintain faculties, their hours, and student details.. Using our application, we can easily maintain entire school data, and we can easily search for each faculty periods.

Admin can add, delete, update, display existing students and faculty details. Each and every faculties periods are added to our database. students can register by his own. After that the student can search for his class subjects and their faculty names.

2.INPUT AND OUTPUT

Input Forms in our project:

1) Student registration form
2) Faculties registration form

Output Pages in our project:

1) Display all faculties and their periods
2) Display all student details
3) Students can search faculty details.

3.DETAILS OF MODULES

Our Project having Three Modules:

1) Admin Module
2) faculty Module
3) uses Module

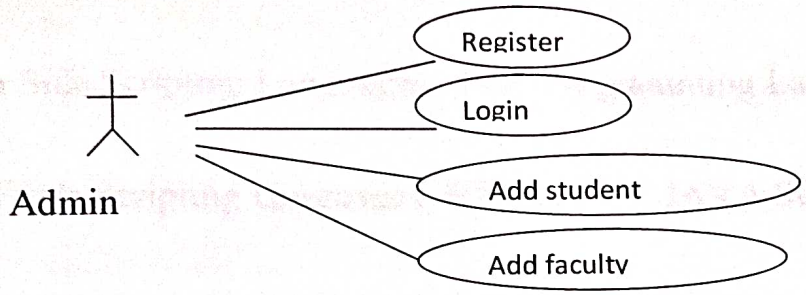
In Admin Module, admin login form having admin username and password. If these values are matched with backend database values, then only admin gets authentication to the server. After authentication, admin control panel will be displayed. Admin can add new agencies.

In user Module, user can register and login to his account. If these values are matched with backend database values, then only user gets authentication to the server. After authentication, user control panel will be displayed.

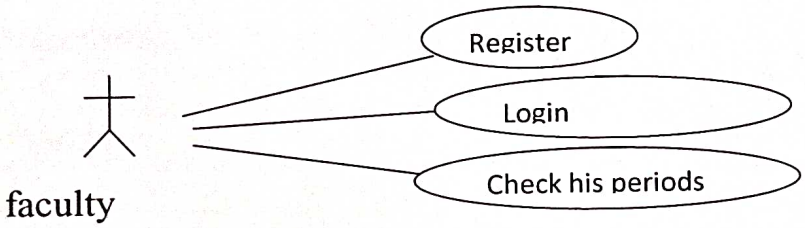
In faculty module, faculty will be login to his account and search for his periods. Students also can search for periods.

4.USECASE DIAGRAMS

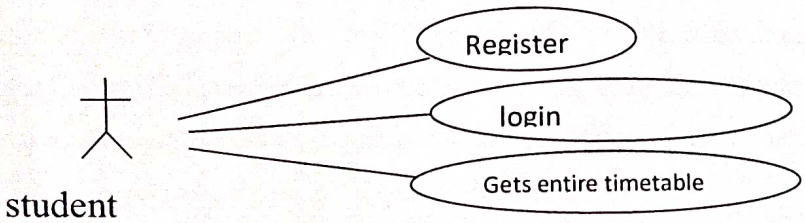
1) Usecase diagram for Admin:



2) Usecase diagram for faculty:



3) Usecase diagram for student:



5.TOOLS/PLATFORMS, LANGUAGES

Operating System: Windows 7

Server: Apache

Server Side Scripting Languages: PHP Programming Language

Client Side Scripting Languages: HTML, CSS, JAVA SCRIPT

About PHP and MySql

6.CODING

1) Index.php

```
<html>
<frameset rows="20%, 80%">
<frame name="f1" src="menu.php">
<frame name=f2>
</frameset>
</html>
```

2) Menu.php:

```
<html>
<body bgcolor="yellow">
<a href="home.php" target="f2">Home</a>
      |      
<a href="userlogin.php" target="f2">Student Page</a>
      |      
<a href="agentlogin.php" target="f2"> Faculty Page</a>
      |      
<a href="adminlogin.php" target="f2">Admin Login</a>

</body>
</html>
```

3) Display all students:

```
<html>

<body bgcolor=lightgreen>

<br><br>

<?php

$c=mysql_connect("localhost", "root", "");
if(! $c)
{
echo "server not connected";
}
else
{
echo "server connection succesful";
}


$d=mysql_select_db("project13");
if(! $d)
{
echo "<br>database not connected";
}
else
{
echo "<br>database connection succesful";
}


$s="select * from students";
```

```
$k=mysql_query($s, $c);

if(! $k)
{
echo "<br>error in retrieving data";
}
else
{
echo "<br>select command success";
}

echo "<center><table border=1 bgcolor=lightyellow height=30% width=60%><tr>
<th>Student ID
<th>Student Name
<th>Class
<th>Mobile

";
while($r=mysql_fetch_array($k))
{
echo

"<tr><td>$r[0]" . "<td> " . "$r[1]" . "<td>" . "$r[2]" . "<td>" . "$r[3]" ;
}

echo "</table></center>"
?>


</body>
</html>
```

7.DATABASE TABLES

1) Faculties Table:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	**facid**	bigint(8)			No	*None*		AUTO_INCREMEN
2	**facname**	varchar(30)	latin1_swedish_ci		No	*None*		
3	**sub**	varchar(30)	latin1_swedish_ci		No	*None*		
4	**mobile**	bigint(10)			No	*None*		

2) Hours Table:

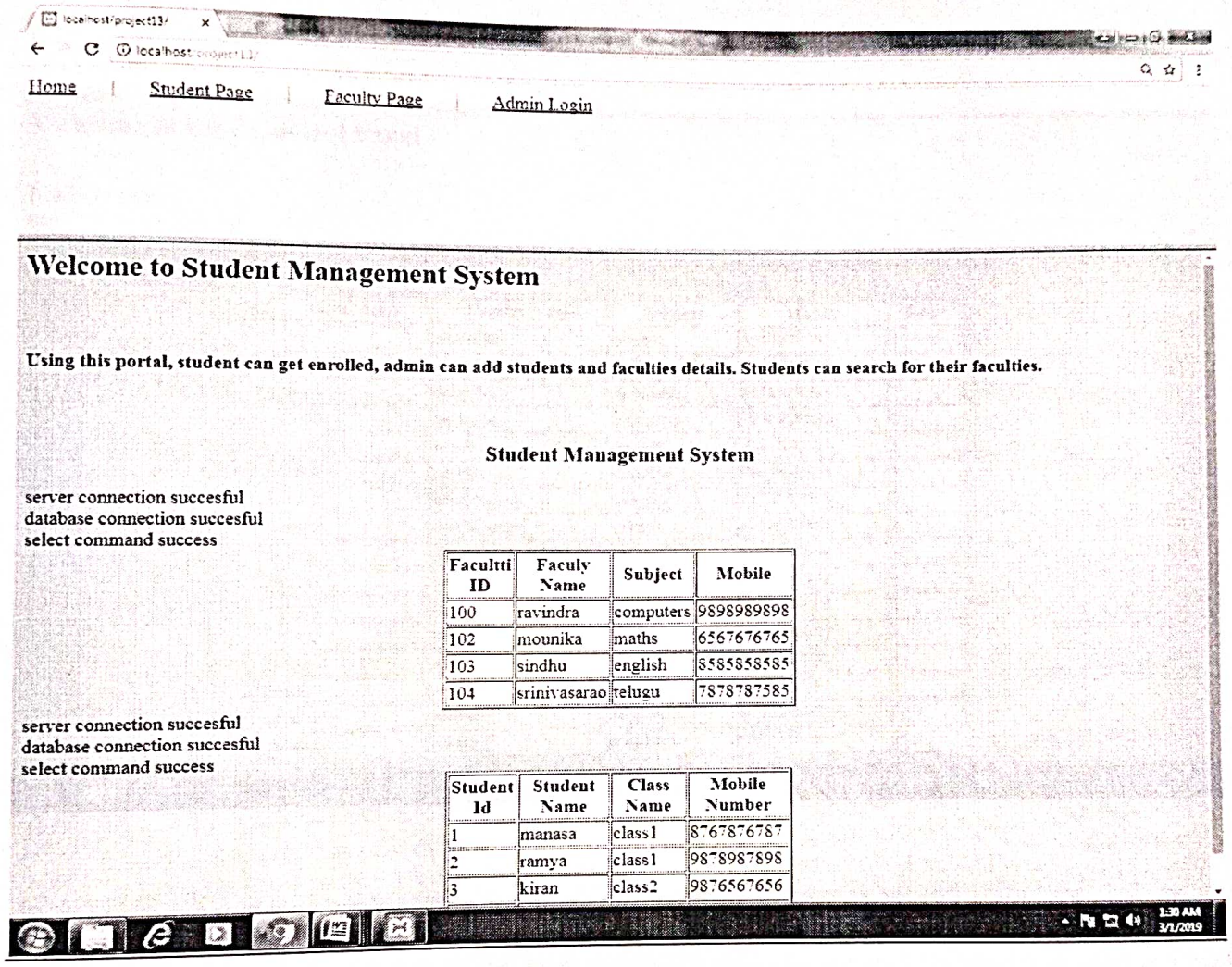
hour_id	class	subject	weekday
1	class1	maths	monday
2	class1	computers	monday
1	class2	english	monday
2	class2	telugu	monday
1	class1	computers	tuesday
2	class1	maths	tuesday
1	class2	telugu	tuesday
2	class2	english	tuesday

3) students Table:

stuid	stuname	class	mobile
1	manasa	class1	8767876787
2	ramya	class1	9878987898
3	kiran	class2	9876567656
4	sandhya	class2	6567678787

8.OUTPUT SCREENS

1) Home.php:



2) Students page:

Home | Student Page | Faculty Page | Admin Login

Welcome to User Control Panel

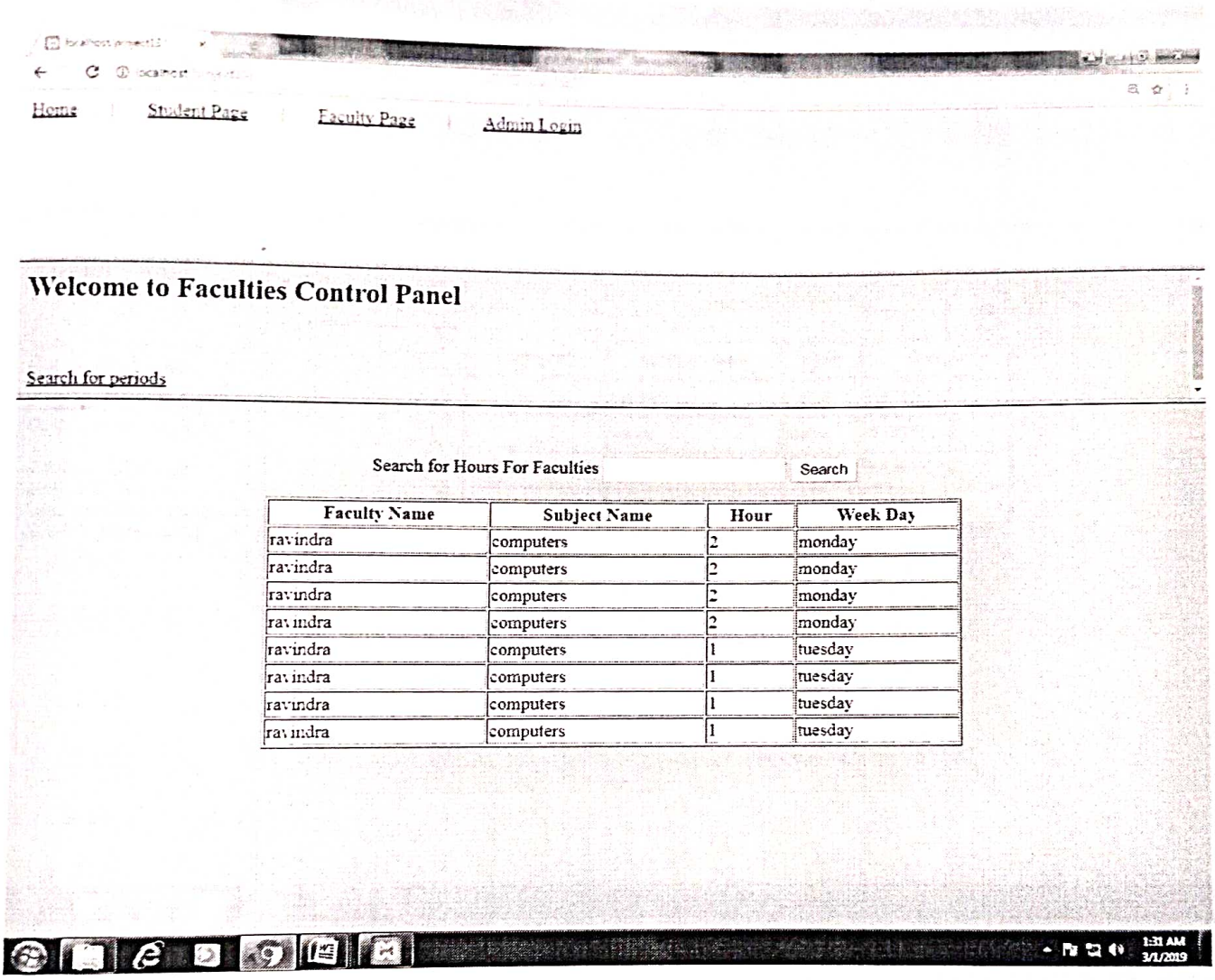
Display Faculties

server connection succesful
database connection succesful
select command success

Class Name	Faculty Name	Subject	Mobile	Hour
class1	mounika	maths	6567676765	1
class1	mounika	maths	6567676765	1
class1	ravindra	computers	9898989898	2
class1	ravindra	computers	9898989898	2
class2	sindhu	english	8585858585	1
class2	sindhu	english	8585858585	1
class2	srinivasarao	telugu	7878787585	2
class2	srinivasarao	telugu	7878787585	2
class1	ravindra	computers	9898989898	1
class1	ravindra	computers	9898989898	1
class1	mounika	maths	6567676765	2
class1	mounika	maths	6567676765	2
class2	srinivasarao	telugu	7878787585	1
class2	srinivasarao	telugu	7878787585	1
class2	sindhu	english	8585858585	2
class2	sindhu	english	8585858585	2

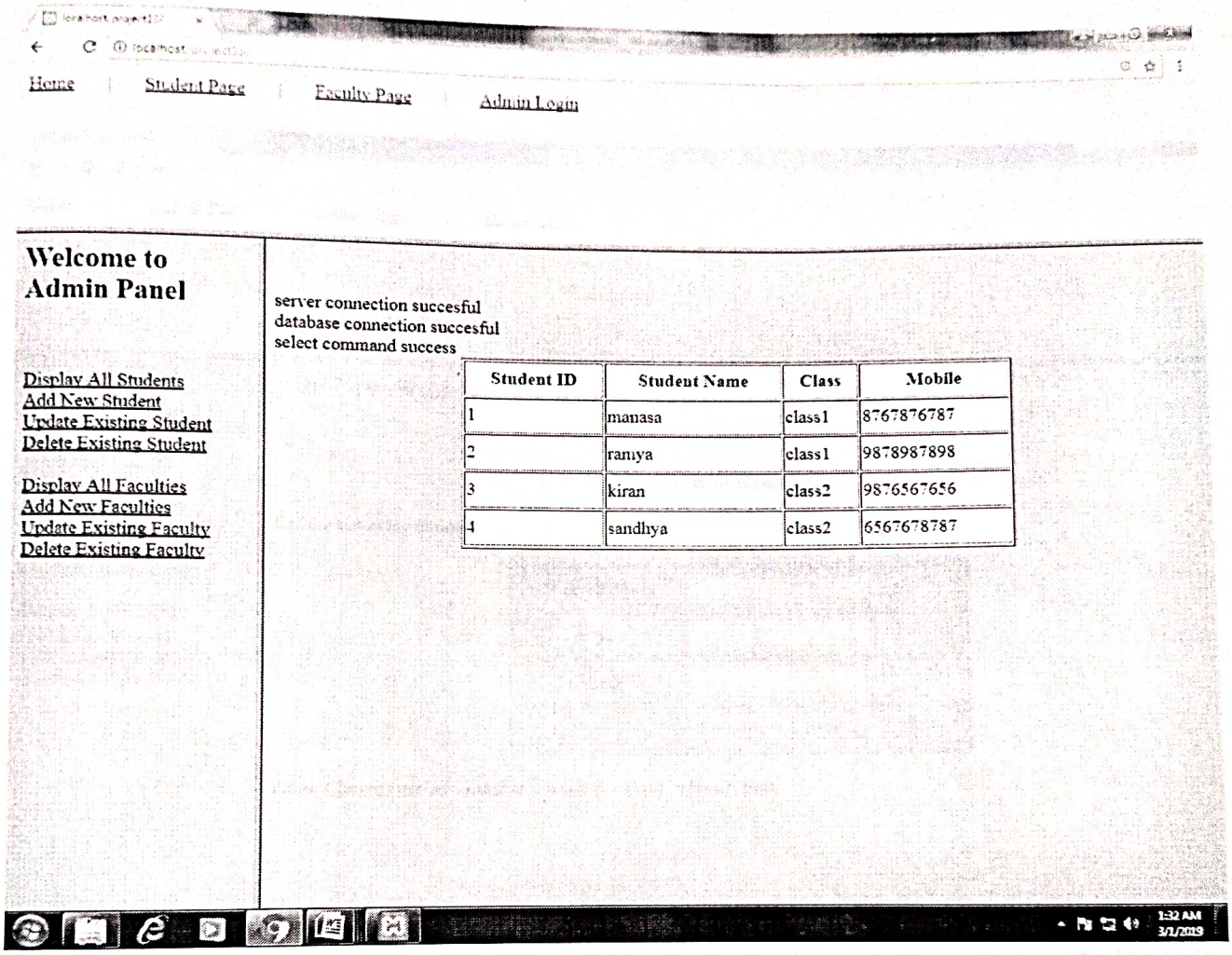
1:30 AM
3/1/2019

3)Searching faculty details:

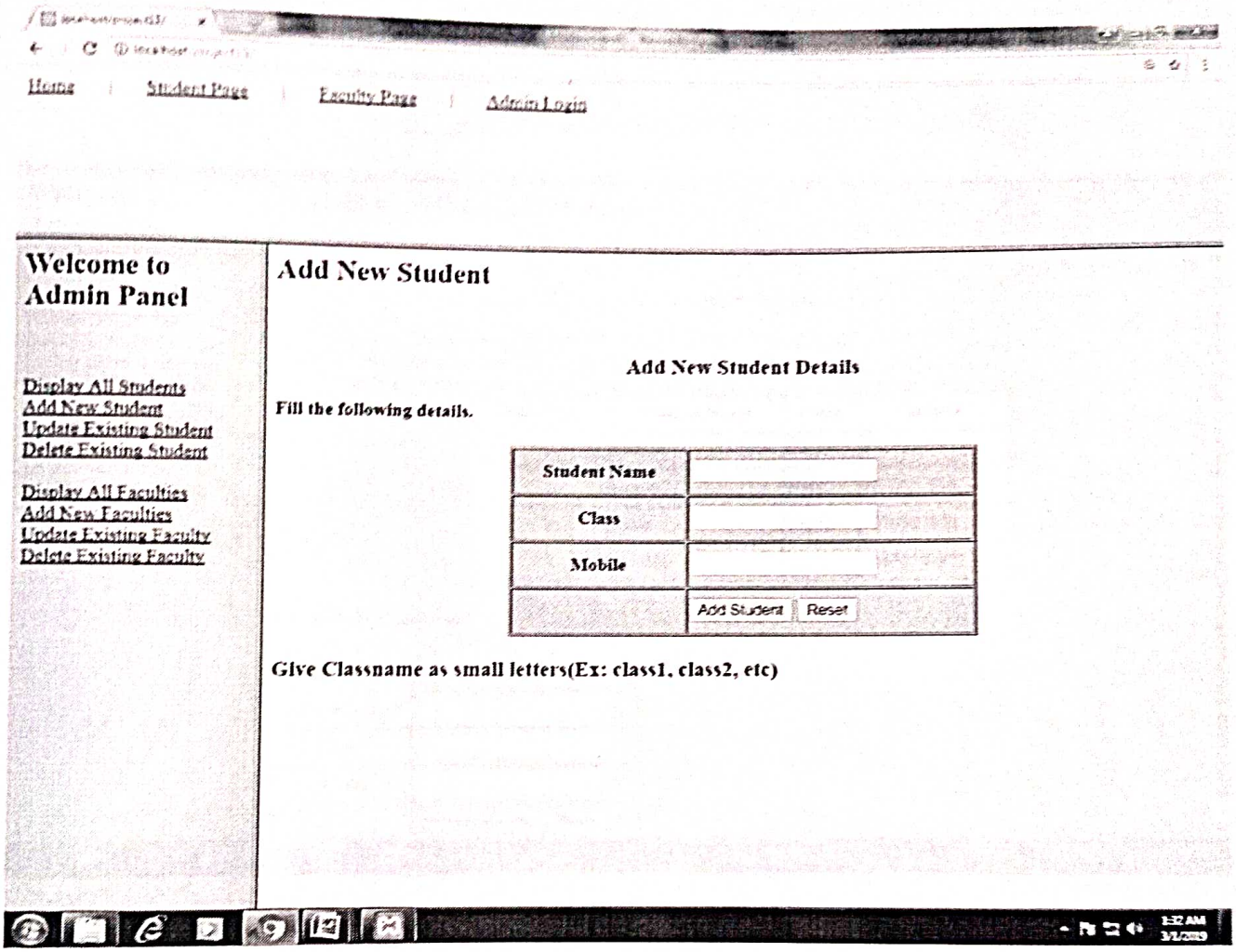


Faculty Name	Subject Name	Hour	Week Day
ravindra	computers	2	monday
ravindra	computers	2	monday
ravindra	computers	2	monday
ravindra	computers	2	monday
ravindra	computers	1	tuesday
ravindra	computers	1	tuesday
ravindra	computers	1	tuesday
ravindra	computers	1	tuesday

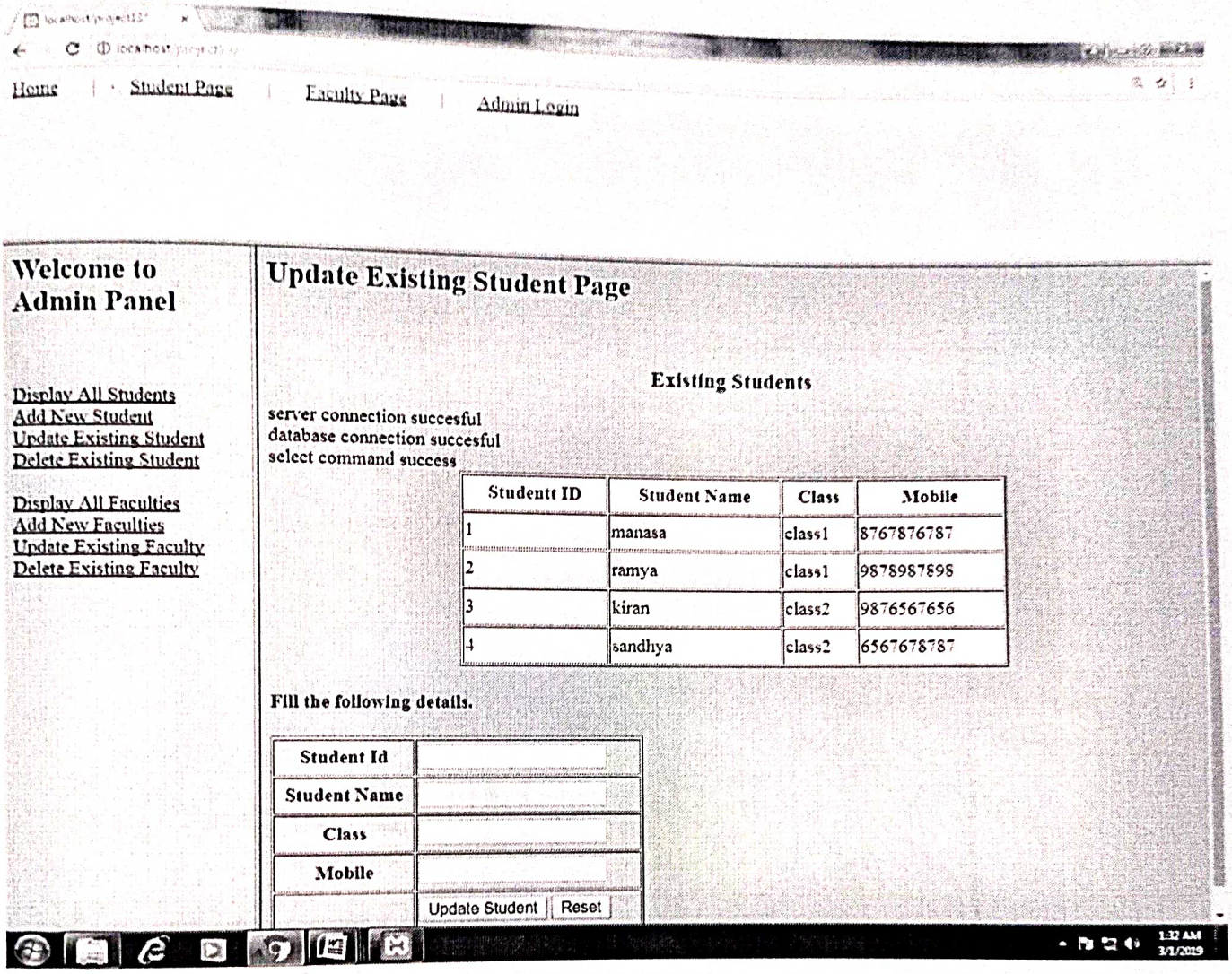
4)Display all students:



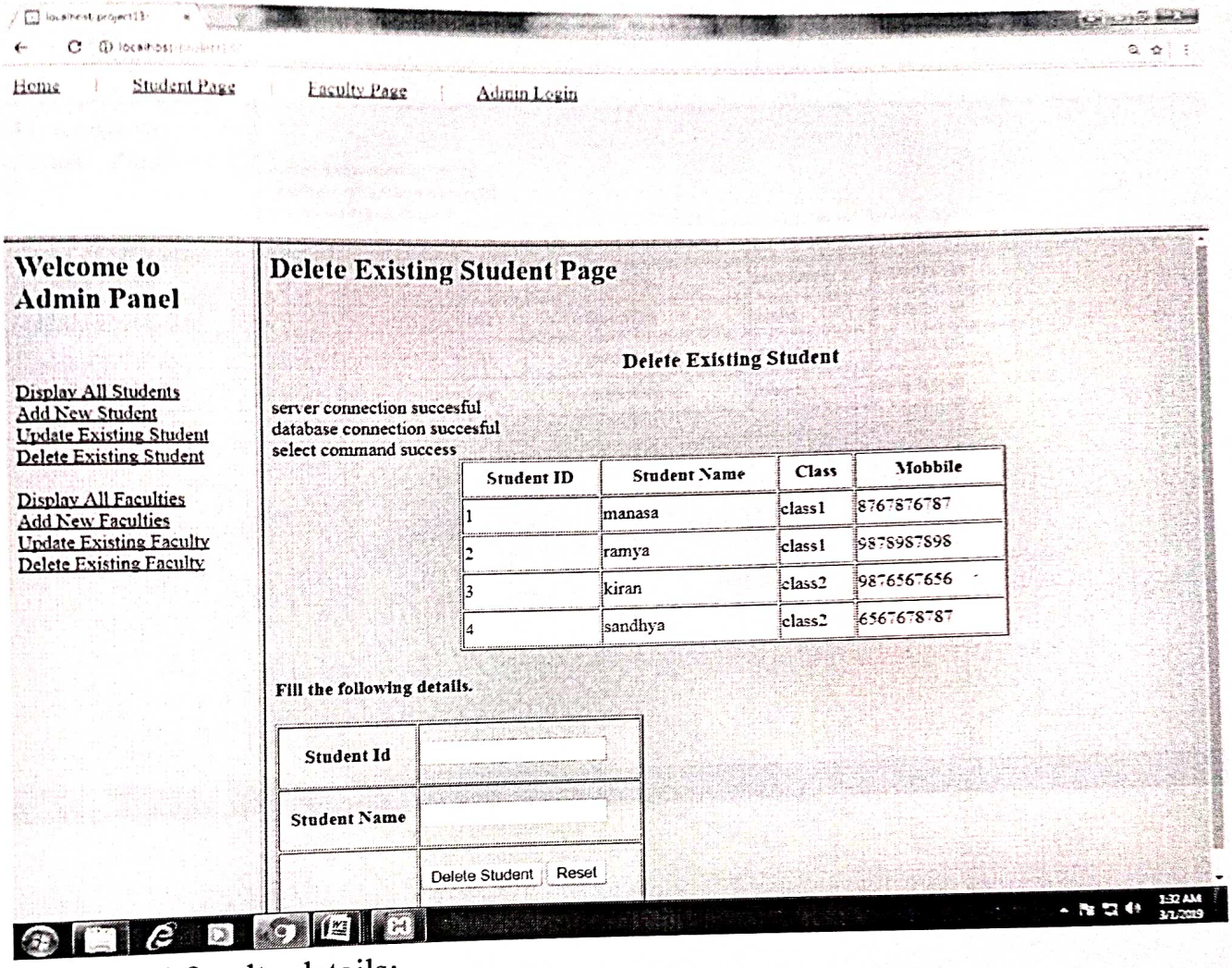
5)Add new student:



6)Update existing student:



7)Delete existing student:



3) Display all faculty details:

[Type text]

Home | Student Page | Faculty Page | Admin Login

Welcome to Admin Panel

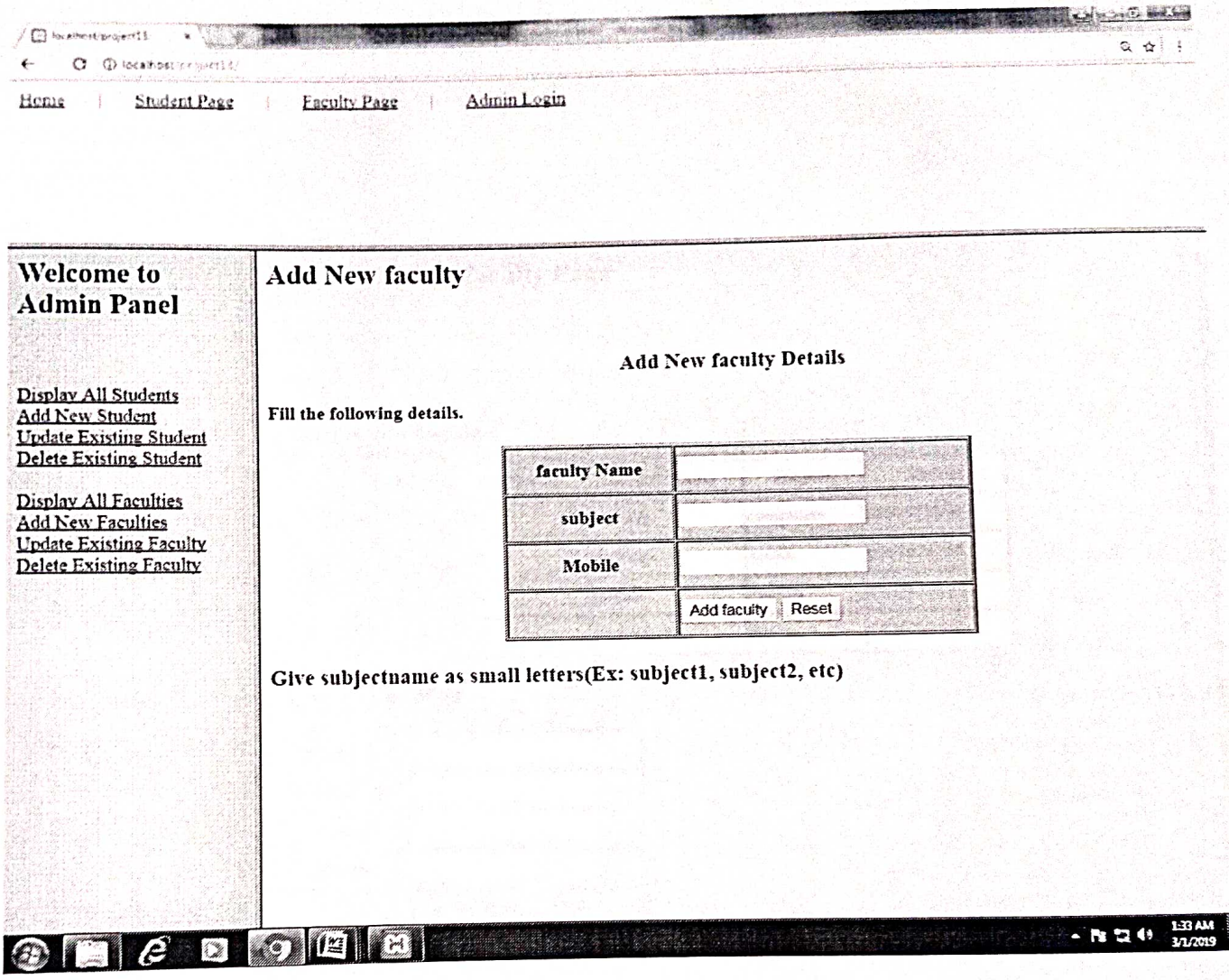
Display All Students
Add New Student
Update Existing Student
Delete Existing Student

Display All Faculties
Add New Faculties
Update Existing Faculty
Delete Existing Faculty

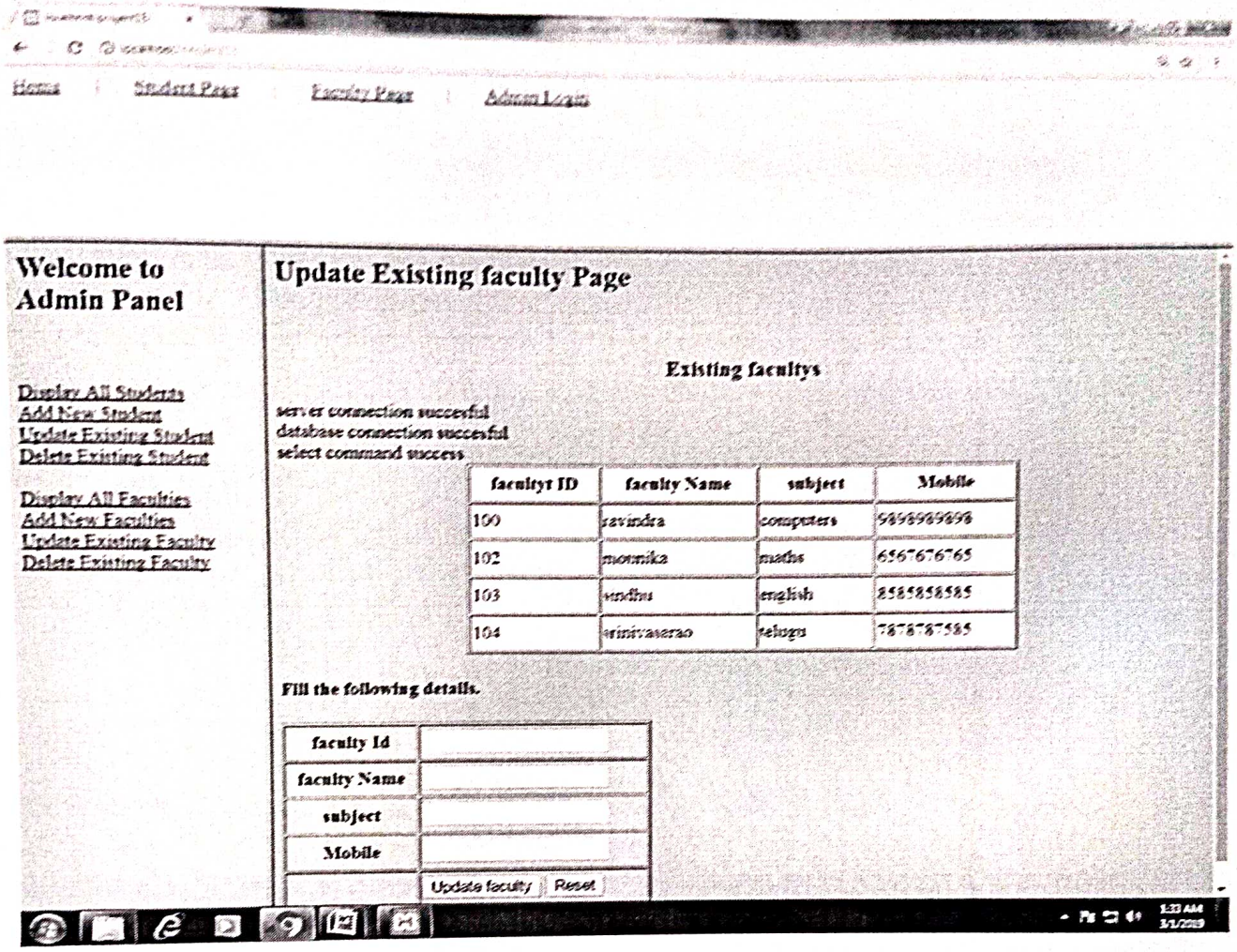
server connection succesful
database connection succesful
select command success

faculty ID	faculty Name	subject	Mobile
100	ravindra	computers	9898989898
102	mounika	maths	6567676765
103	sindhu	english	8585858585
104	srinivasarao	telugu	7878787585

8)Add new faculty:

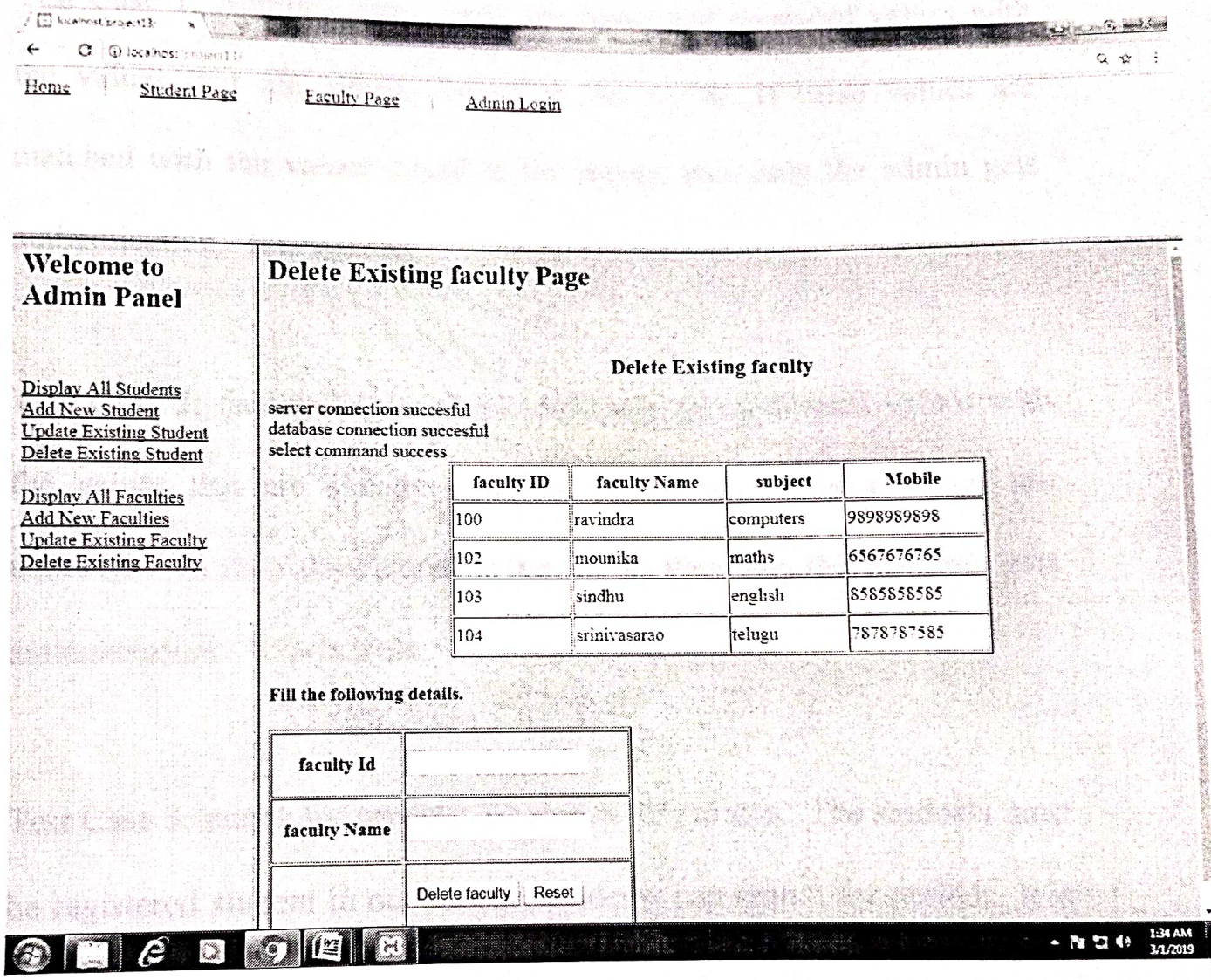


9)Update existing faculty:



[Type text]

10)Delete existing faculty:



9.TEST CASES

1) Test Case 1: Admin Login- check username and password values with the values that are already stored in the server. If these values are matched with the values stored in the server, then only the admin gets authentication.- It is success.

2) Test Case 2: faculty Login: check username and password values with the values that are already stored in the server. If these values are matched with the values stored in the server, then only the customer gets authentication.- It is success.

3) Test Case 3: search for periods: To search for periods. The students must be registered student in our school. Students can search for periods. It is success.

10.LIMITATIONS OF PROJECT

In this project we developed all the functionalities of school management applications. Here limitations are, this project not contains all the roles of faculty and students. Here we used only admin to manage and maintain applications. In real world applications, multiple branches of schools exists. Here in this project we used only one branch of students.

11.SCOPE OF FUTURE REFERENCE

This project is very much used in future for school related applications. Here, we developed this application with fully secured server side scripting language PHP. All the functionalities of banking application are included in this project.

BIBILOGRAPHY

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5. Patrick O'Neil and Elizabeth O'Neil, *Database Principles, Programming and Performance*, Harcourt Asia Pte. Ltd., First Edition, 2001.

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