

HOSPITAL MANAGEMENT SYSTEM

A Project submitted in partial fulfillment of the

Requirements for the degree of

BACHELOR OF COMPUTER SCIENCE

BY

ARIPALLI. YASODA DEVI

Regd.No.720131905010

Under the esteemed guidance of

Y. KRISHNA

Lecturer in Computer Science

Pydah College for Women



PYDAH

PYDAH COOLEGE FOR WOMEN

AFFILIATED TO ANDHRA UNIVERSITY

VISAKHAPATNAM

2022-2023

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(Affiliated by Andhra University)

Visakhapatnam



CERTIFICATE

This is to certify that this is bonafide project work entitled
“HOSPITAL MANAGEMENT SYSTEM” by A.YASODA DEVI bearing
Regd.No.720131905010 student of Bachelor of Computer science in
Pydah College for Women, Andhra University During the period
2022-2023

External:


Y.KRISHNA

(Project Guide)


HOD:

DECLARATION

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

Visakhapatnam

Name:

Date:

CONTEXT

Abstract

1.Objectives

2.Input and Output

3.Details of Modules

4.Usecase Diagrams

5.Tools/Platforms/Languages

6.Coding & P.R. and M.P.

Hospital Management System

7.Database Tables

8.Output Screens

9.Test Cases

10.Limitations of the Project

11.Scope of Future Reference

Bibliography

ABSTRACT

CONTEXT

Our Project Hospital Management System includes registration of

Abstract bring there details into the system and also computerized bi-

1.Objectives of labs Our software has the facility to give a unique id)

2.Input and Output tails of every patient and the staff automatically..

3.Details of Modules to know the current status of each room User can

4.Usecase Diagrams doctor and the details of a patient using the id.The

5.Tools/Platforms/Languages be entered using a user name and password.

6.Coding(PHP and My Sql) administrator or receptionist only they can add data

7.Database Tables data can be retrieved easily.The interface is very user

8.Output Screens friendly and well protected for personal use and makes the

9.Test Cases a lot going very fast.

10.Limitations of the Project

11.Scope of Future Reference

Bibliography

ABSTRACT

Our Project Hospital Management System includes registration of patients, storing their details into the system, and also computerized billing in the pharmacy, and labs. Our software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. It includes a search facility to know the current status of each room. User can search availability of a doctor and the details of a patient using the id. The Hospital Management System can be entered using a user name and password. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast.

2.1NP 1. OBJECTIVES

Online Hospital Management is a web application, it would be perfectly used for hospitals. Now a days all hospitals having huge number of infrastructure and doctors. Using our applications customer can book appointment through online.

In our project Customer directly can register and login to his account. After Login customer can search for appointment. After that customer can book appointment. Admin can add, delete, modify, display existing doctor details. Admin can view all appointment details. Admin can search for appointment details using specialization of the doctor.

2.INPUT AND OUTPUT

Input Forms in our project:

- 1) Doctor appointment form

Output Pages in our project:

- 1) Display All Doctors Page

- 2) About us page

- 3) Contact us page

In Admin Control Panel, Admin can Add New Doctors, Modify Existing Doctors, Delete Existing Doctors, and Display All Doctors. Admin can View all appointments.

In Users Module, User can create his own account by filling registration form, after that he logins to his account, he search for doctors and he take appointment.

3.DETAILS OF MODULES

Our Project having Two Modules:

- 1) Admin Module
- 2) Users Module

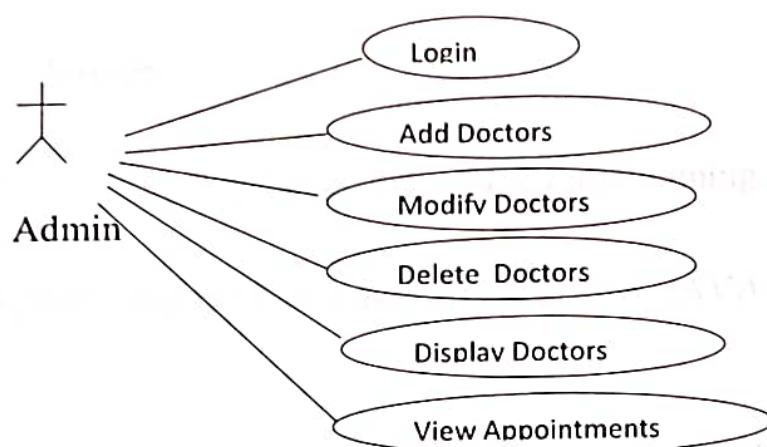
In Admin Module, admin login form having admin username and password. If these values are matched with backend database values, then only admin gets authentication to the server. After authentication, admin control panel will be displayed. Admin can Add New Doctors, Modify Existing Doctors, Delete Existing Doctors, and Display All Doctors. Admin can View all appointments.

In Users Module, User can create his own account by filling registration form, after that he logins to his account, he search for doctors and he take appointment.

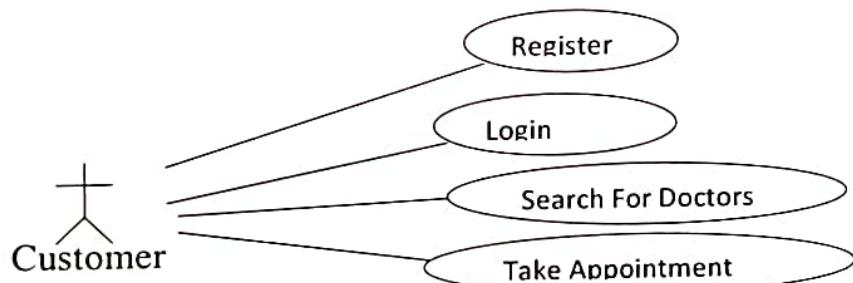
4.USECASE DIAGRAMS

5. ROLES, PLATFORMS, LANGUAGES

1) Usecase diagram for Admin:



2) Usecase diagram for User:



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 My Sql

6.CODING

1) Index.php:

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

2) Home.php:

```
<html>
<body bgcolor=pink>
<h2>Welcome to Online Doctors Appointment System</h2>
<br>
<h4>Doctors Appointment System</h4>
<br>
<center>
<h3>Search For Doctor </h3>
</center>
<center>
<form method="post" action=<?php $_PHP_SELF ?>">
Enter Doctor Name
<input type="text" name="t1">
<input type="submit" name="search" value="Search">
</form>
</center>
<?php echo "Your Name is : " . $t1 . "<br/>" ; ?>
```

```

if(isset($_POST['search']))
{
$c=mysql_connect("localhost", "root", "");
if(! $c)
{
echo "server not connected";
}
else
{
echo "server connection succesful";
}
$d=mysql_select_db("project14");
if(! $d)
{
echo "database not connected";
}
else
{
echo "<br>database connection succesful";
}
echo "<br>server connection successful";
$doctorname=$_POST['t1'];

$s="select * from doctors where doctorname like '$doctorname%' "
$k=mysql_query($s, $c);
if(! $k)
{
echo "<br>error in retrieving data";
}
else
{
echo "<br>select command success";
}
echo "<br>server connection successful";
echo "<center><table border=1 bgcolor=lightgreen height=30% width=60%><tr>
<th>Doctor Id
<th>Doctor Name

```

```

<th>Specialization
<th>Appointment Time
<th>Fees";
while($r=mysql_fetch_array($k))
{
echo "<tr><td>$r[0]" . "<td>" . "$r[1]" . "<td>" . "$r[2]" . "<td>" . "$r[3]" .
"<td>" . "$r[4]" ;
}
echo "</table></center>";
}
?>
<?php
$c=mysql_connect("localhost", "root", "");
if(! $c)
{
echo "server not connected";
}
else
{
echo "server connection succesful";
}
$d=mysql_select_db("project14");
if(! $d)
{
echo "<br>database not connected";
}
else
{
echo "<br>database connection succesful";
}
$s="select * from doctors";
$k=mysql_query($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>Doctor Id
<th>Doctor Name
<th>Specialization
<th>Appointment Timings
<th>Fees
";
while($r=mysql_fetch_array($k))
{
echo
"<tr><td>$r[0]" . "<td> " . "$r[1]" . "<td>" . "$r[2]" . "<td>" . "$r[3]" .
"<td>" . "$r[4]" ;
}
echo "</table></center>"
?>
</body>
</html>

```

3) Menu.php:

```

<html>
<body bgcolor="orange">
<a href="home.php" target="f2">Home</a>
 &nbsp;&nbsp;&nbsp;&nbsp;&nbsp; | &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<a href="register.php" target="f2">Register</a>
 &nbsp;&nbsp;&nbsp;&nbsp;&nbsp; | &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<a href="login.php" target="f2">Login</a>
 &nbsp;&nbsp;&nbsp;&nbsp;&nbsp; | &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<a href="adminlogin.php" target="f2">Admin </a>
</body>
</html>

```

4) AdminLogin.php:

```
<html>
<body bgcolor=pink>
<h2>Welcome to Admin Panel</h2>
<br>
<br>
<a href="displaydoctors.php" target="f4">Display Present Doctors</a>
<br>
<a href="adddoctor.php" target="f4">Add New Doctor</a>
<br>
<a href="deletedoctor.php" target="f4">Delete Existing Doctor</a>
<br>
<a href="updatedoctor.php" target="f4">Update Doctor</a>
</body>
</html>
```

5) Register new customer.php:

```
<html>
<body bgcolor=pink>
<h2>Customer Registration Page</h2>
<br>
<center>
<h3>Customer Registration </h3>
</center>
<br>
<h4>Fill the following details.</h4>
<br>
<form method="post" action="<?php $_PHP_SELF ?>">
<table border=1 bgcolor=green height=30% width=40%>
<tr>
<th>
Customer Name
<td><input type="text" name="c1">
<tr>
<th>Mobile
<td><input type="text" name="c2">
</table>
</form>
<br>
<input type="submit" value="Submit" />
</body>
</html>
```

```
<td><input type="text" name="c2">
<tr>
<th>Email
<td><input type="text" name="c3">
<tr>
<th>Password
<td><input type="text" name="c4">
<tr>
<th>Retype Password
<td><input type="text" name="c5">
<tr>
<th>
<td><input type="submit" name="add" value="Register">
<input type="reset" name="reset" value="Reset">
</table>
</form>
<?php
if(isset($_POST['add']))
{
$c=mysql_connect("localhost", "root", "");
if(! $c)
{
echo "server not connected";
}
else
{
echo "server connection succesful";
}
$d=mysql_select_db("project7");
if(! $d)
{
echo "<br>database not connected";
}
else
{
echo "<br>database connection succesful";
}
```

```

}
$name=$_POST['c1'];
$mobile=$_POST['c2'];
$email=$_POST['c3'];
$pwd=$_POST['c4'];
$repwd=$_POST['c5'];
$s="insert into customer
(name, mobile, email, pwd, repwd)
values('$name', '$mobile', '$email', '$pwd', '$repwd')";
$k=mysql_query($s, $c);
if(! $k)
{
echo "<br>error in inserting data";
}
else
{
echo "<br>insert command success<br><br><br><br><br>
<h3>Thankyou for contacting us. Your details are added
successfully<h3>";
}
}
}
?>

```

</body>

</html>

6) Add doctor.php:

```

<html>
<body bgcolor=pink>
<h2>Add New doctor Page</h2>
<br>
<center>Enter name, specialization, timings, fees</center>
<h3>Add New doctor</h3>
</center>
<br>
<h4>Fill the following details.</h4>
<br>

```

```
<form method="post" action="<?php $_PHP_SELF ?>">
<table border=1 bgcolor=green height=30% width=40%>
<tr>
<th>doctor Name
<td><input type="text" name="c2">
<tr>
<th>Specialization
<td><input type="text" name="c3">
<tr>
<th>Timingsg
<td><input type="text" name="c4">
<tr>
<th>Fees
<td><input type="text" name="c5">
<tr>
<th>
<td><input type="submit" name="addc" value="Add doctor">
<input type="reset" name="reset" value="Reset">
</table>
</form>
<?php
if(isset($_POST['addc']))
{
$c=mysql_connect("localhost", "root", "");
$d=mysql_select_db("project14");
$doctorno=$_POST['c2'];
$specialization=$_POST['c3'];
$timings=$_POST['c4'];
$fees=$_POST['c5'];
$s="insert into doctors
(doctorname, specialization, timings, fees)
values('$doctorno','$specialization','$timings','$fees')";
$k=mysql_query($s, $c);
if(! $k)
{
echo "<br>error in inserting data";
}
```

```
else
{
echo "<br>insert command success<br><br>
<h3>doctor Details added successfully.<h3>";
}
}
?>
</body>
</html>
```

- 7) deletedoctor.php: ~~command success~~ in the page
will display delete and empty chart

```
<html>
<body bgcolor=pink>
<h2>Delete Existing Doctor Page</h2>
<br>
<center>
<h3>Delete Existing Doctor</h3>
</center>
<br>
<h4>Fill the following details.</h4>
<br>
<form method="post" action=<?php $PHP_SELF ?>>
<table border=1 bgcolor=green height=30% width=40%>
<tr>
<th>Doctor Id
<td><input type="text" name="c1">
<tr>
<th>
<td><input type="submit" name="deletec" value="Delete Doctor">
<input type="reset" name="reset" value="Reset">
</table>
</form>
<?php
if(isset($_POST['deletec']))
{
$c=mysql_connect("localhost", "root", "");
```

```

$�=mysql_select_db("project14");
$doctorid=$_POST['c1'];
$ss="delete from doctors where doctorid='".$doctorid" ";
$к=mysql_query($ss, $с);
if(! $к)
{
    echo "<br>error in deleting data";
}
else
{
    echo "<br>Delete command success<br><br>
<h3>Doctor Details deleted successfully.<h3>";
}
?>

</body></html>

```

8) update doctor.php:

```

<html>
<head>
<title>Update Doctor</title>
<body bgcolor=pink>
<h2>Update Existing Doctor Page</h2>
<br>
<center>
<h3>Update Existing Doctor</h3>
</center>
<br>
<form method="post" action="<?php $_PHP_SELF ?>">
<table border=1 bgcolor=green height=30% width=40%>
<tr>
<th>Doctor Id
<td><input type="text" name="c1">
<tr>
<th>Doctor Name
<td><input type="text" name="c2">

```

```

<tr>
<td><input type="text" name="c1">
<th>Specialization
<td><input type="text" name="c3">
<tr>
<th>Timings
<td><input type="text" name="c4">
<tr>
<th>Fees
<td><input type="text" name="c5">
<tr>
<th>
<td><input type="submit" name="updatec" value="Update Doctor">
<input type="reset" name="reset" value="Reset">
</table>
</form>
<?php
if(isset($_POST['updatec']))
{
$c=mysql_connect("localhost", "root", "");
$d=mysql_select_db("project14");
$doctorid=$_POST['c1'];
$doctorname=$_POST['c2'];
$specialization=$_POST['c3'];
$timings=$_POST['c4'];
$fees=$_POST['c5'];
$s="update doctors set
doctorname='$doctorname', specialization='$specialization',
timings='$timings', fees='$fees' where doctorid='$doctorid' ";
$k=mysql_query($s, $c);
if(! $k)
{
echo "<br>error in updating data";
}
else
{
echo "<br>data inserted in database";
}
echo "<br>update command success<br><br>";
}

```

```
<h3>Doctor Details updated successfully.<h3>";
}
}
?>
</body>
</html>
```

9) displaydoctors.php:

```
<html>
<body bgcolor=pink>
<?php
$c=mysql_connect("localhost", "root", "");
if(! $c)
{
echo "server not connected";
}
else
{
echo "server connection succesful";
}
$d=mysql_select_db("project14");
if(! $d)
{
echo "<br>database not connected";
}
else
{
echo "<br>database connection succesful";
}
$s="select * from doctors";
$k=mysql_query($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>Doctor Id
<th>Doctor Name
<th>Specialization
<th>Timings
<th>Price";
    while($r=mysql_fetch_array($k))
    {
        echo
        "<tr><td>$r[0]" . "<td> " . "$r[1]" . "<td>" . "$r[2]" . "<td>" . "$r[3]" .
        "<td>" . "$r[4]" ;
    }
    echo "</table></center>";
    ?>
</body>
</html>

```

10)Customerlogin.php:

```

<html>
<body bgcolor=pink>
<h2>Customer Login Page</h2>
<br>
<center>
<h3>Customer Login </h3>
</center>
<br>
<h4>Enter username and password.</h4>

```

```
<br>
<form method="post" >
<table border=1 bgcolor=green height=30% width=40%>
<tr>
<th> <?sql_select_db("project")?>
User Name(email)
<td><input type="text" name="c1">
<tr> <?if($c){echo "database not connected";}?>
<th>Password
<td><input type="text" name="c2">
<tr>
<th> <?if($c){echo "database connected";}?>
<td><input type="submit" name="login" value="Login">
<input type="reset" name="reset" value="Reset">
</table> POST['c2'],
</form> ct * from customer where email='<?$_POST['c1']?>' and password='<?$_POST['c2']?>';
<?php $s=mysql_query($s, $c);
if(isset($_POST['login']))
{
$c=mysql_connect("localhost", "root", "");
if(! $c)
{
echo "server not connected";
}
else
{
echo "server connected";
}
```

```
else {echo "server connection successful";}

}

echo "server connection successful";

}

$d=mysql_select_db("project7");

if(! $d)

{

echo "<br>database not connected";

}

else{nl2br($c);

echo "<br>database connection successful";

}

}

$uname=$_POST['c1'];

$pwd=$_POST['c2'];

$s="select * from customer where email='$uname' and pwd='$pwd' ";

$k=mysql_query($s, $c); ion="<?php $_PHP_SELF ?>

if(! $k) Inter Specialization Name (Ex: cardiology, gynecology)

{ input type="text" name="t1">

echo "<br>error in retrieving data"; h value="Search">

} form>

else{nl2br($c);

echo "<br>username and password are correct";
```

```
echo "<br><a href='bookappointment.php'>bookappointment.php</a>";  
}  
mysql_connect("localhost", "root", "");  
}  
?  
</body>  
</html>
```

11. bookappointment.php:

```
<?php session_start();  
if(mysql_connect("localhost", "root", "") == false){  
    echo "Database connection failed";  
}  
<html>  
<body bgcolor=pink>  
<h2>Order For Doctors</h2>  
<br>  
<center>  
<h3>Search For Doctors </h3>  
<br>  
<form method="post" action="<?php $_PHP_SELF ?>">  
Please Enter Specialization Name (Ex: cardiology, gynocology)  
<input type="text" name="t1">  
<input type="submit" name="search" value="Search">  
</form>  
</center>  
<?php  
if(isset($_POST['search']))
```

```

{
$c=mysql_connect("localhost", "root", "");
if(! $c)
{
echo "server not connected";
}
else
{
echo "server connection succesful";
}
$d=mysql_select_db("project14");
if(! $d)
{
echo "<br>database not connected";
}
else
{
echo "<br>database connection succesful";
}


|      |                |         |           |       |        |
|------|----------------|---------|-----------|-------|--------|
| Name | Specialization | Address | Phone No. | Email | Gender |
|------|----------------|---------|-----------|-------|--------|


$specialization=$_POST['t1'];
$s="select * from doctors where specialization like '$specialization%'";
$k=mysql_query($s, $c);
if(! $k)
{
}

```

```

echo "<br>error in retrieving data";
}

else // Enter Doctor ID
{

echo "<br>select command success";
}

echo "<center><table border=1 bgcolor=lightyellow height=30% width=60%><tr>
<th>Doctor ID
<th>Doctor name
<th>Specialization
<th>Timings
<th>Fees";
while($r=mysql_fetch_array($k))
{

echo "<tr><td>$r[0]" . "<td>" . "$r[1]" . "<td>" . "$r[2]" . "<td>" . "$r[3]" . "<td>" . "$r[4]" ;
}

echo "</table></center>";
}






```



```


<table>
<form method="post" action="<?php $_PHP_SELF ?>">

```

Please Enter Doctor ID
<input name="k1" type="text"/>
Customer Name
<input name="k2" type="text"/>
Customer Email
<input name="k3" type="text"/>
<input name="booking" type="submit" value="Book Appointment"/>

<?php
if(isset(\$_POST['booking']))
{
\$query = "SELECT * FROM doctor WHERE id = '\$k1'";
\$result = mysqli_query(\$con, \$query);
\$row = mysqli_fetch_array(\$result);
\$name = \$row['name'];
\$id = \$row['id'];
\$specialty = \$row['specialty'];
\$available_time = \$row['available_time'];

\$query2 = "SELECT * FROM customer WHERE name = '\$k2'";
\$result2 = mysqli_query(\$con, \$query2);
\$row2 = mysqli_fetch_array(\$result2);
\$email = \$row2['email'];

\$query3 = "SELECT * FROM booking WHERE doctor_id = '\$id' AND customer_email = '\$email'";
\$result3 = mysqli_query(\$con, \$query3);
\$row3 = mysqli_fetch_array(\$result3);
\$status = \$row3['status'];

if(\$status == 'booked')
{
echo "You have already booked an appointment with this doctor.";
}
else
{
\$query4 = "INSERT INTO booking (doctor_id, customer_email, status) VALUES ('\$id', '\$email', 'booked')";
\$result4 = mysqli_query(\$con, \$query4);
if(\$result4)
{
echo "Your appointment has been successfully booked.";
}
else
{
echo "There was an error while booking your appointment.";
}
}
}
}

```
$c=mysql_connect("localhost", "root", "");  
$d=mysql_select_db("project14");  
$doctorid=$_POST['k1'];  
$cname=$_POST['k2'];  
$email=$_POST['k3'];  
$s="insert into booking(doctorid,  
cname,  
email) values(  
'$doctorid',  
'$cname',  
'$email') ";  
$k=mysql_query($s, $c);  
if(! $k)  
{  
echo "<br>error in inserting data";  
}  
else  
{  
echo "<br>insert command success<br><br><br><br><br>  
<h3>Thankyou for Booking Appointment.<h3>";  
}  
}  
?  
</body>
```

```
</html>
```

12. view appointments.php:

```
}

else

{

    by select command - or else

echo "server connection succesful";

}

    "border=1" style="background-color: #f2f2f2; width: 40%;

$�=mysql_select_db("project14");

if(! $д)

    "connection not made"

{

    "connection not made

echo "<br>database not connected";

    "connection not made

}

    "connection made

else

    "connection made"

{

    "No rows mysql_fetch_array($g))

echo "<br>database connection succesful";

}

$specialization=$_POST['t1'];

$с="select doctors.doctorid, doctors.doctorname, doctors.specialization,

booking.cname, booking.email, booking.mobile

from doctors, booking where (doctors.doctorid=booking.doctorid)

and (doctors.specialization like '$specialization%')";

$k=mysql_query($с, $c);

if(! $k)

    "connection not made

{

    "mysql_connect("localhost", "root", "");

echo "<br>error in retrieving data";

}

    "connection not made
```

```

else "select command failed";
{
echo "<br>select command success";

}

echo "<center><table border=1      bgcolor=lightgreen      height=30% width=60%><tr>
<th>Doctor ID
<th>Doctorname
<th>Specialization
<th>Customer Name
<th>Email
<th>Mobile";
while($r=mysql_fetch_array($k))
{
echo "Connection successful";
echo "<tr><td>$r[0]" . "<td> " . "$r[1]" . "<td>" . "$r[2]" . "<td>" . "$r[3]" . "<td>" . "$r[4]" ;
}
echo "</table></center>";
mysql_query($s,$c);
?>

<?php
$c=mysql_connect("localhost", "root", "");
if(! $c)
{

```

```
echo "server not connected";
}
} // if connect command success
else
{
echo "server connection succesful";
```

lightblue lightyellow height: 10px; border: 1px solid black; width: 100px; margin-left: auto; margin-right: 0;">


```
$d=mysql_select_db("project14");
if(! $d)
{
echo "<br>database not connected";
}
else
{
$c=mysql_fetch_array($k)
{
echo "<br>database connection succesful";
echo
}
```

lightblue lightyellow height: 10px; border: 1px solid black; width: 100px; margin-left: auto; margin-right: 0;">


```
$s="select doctors.doctorid, doctors.doctorname, doctors.specialization,
booking.doctorid, booking.cname, booking.email
from doctors, booking where (doctors.doctorid=booking.doctorid)";
$k=mysql_query($s, $c);
if(! $k)
{
echo "<br>error in retrieving data";
}
else
```

```

{
echo "<br>select command success";
}

echo "<h3><center>All Appointments</center></h3>";
echo "<center><table border=1 bordercolor=lightyellow height=30% width=60%><tr> NO PRI AUTO auto_increment <th>Doctor ID <th>Doctor Name <th>Specialization <th>Customer Name <th>Email <th>Mobile"; 

while($r=mysql_fetch_array($k))

{)Doctors Table:
echo
"<tr><td>$r[0]<td> " . "$r[1]" . "<td>" . "$r[2]" . "<td>" . "$r[3]" . "<td>" . "$r[4]" ;
}
echo "</table></center>";
echo "?>
</body>
<cos bigint(8) NO NULL;
</html>

```

7.DATABASE TABLES

1)Customer Table:

| Field | Type | Null | Key | Default | Extra |
|--------|-------------|------|-----|---------|----------------|
| Custid | int(5) | NO | PRI | NULL | auto_increment |
| Name | varchar(20) | NO | | NULL | |
| mobile | bigint(10) | NO | | NULL | |
| Email | varchar(20) | NO | | NULL | |
| Pwd | varchar(20) | NO | | NULL | |
| Repwd | varchar(20) | NO | | NULL | |

2)Doctors Table:

| Field | Type | Null | Key | Default | Extra |
|----------------|-------------|------|-----|---------|----------------|
| doctorid | int(6) | NO | PRI | NULL | auto_increment |
| doctorname | varchar(30) | NO | | NULL | |
| specialization | varchar(40) | NO | | NULL | |
| Timings | varchar(40) | NO | | NULL | |
| Fees | bigint(8) | NO | | NULL | |

3) Bookings Table:

OUTPUT SCREENS

| Field | Type | Null | Key | Default | Extra |
|----------|-------------|------|-----|---------|-------|
| doctorid | int(4) | NO | | NULL | |
| Apdate | varchar(20) | NO | | NULL | |
| Cname | varchar(30) | NO | | NULL | |
| Email | varchar(30) | NO | | NULL | |
| mobile | bigint(10) | NO | | NULL | |

8.OUTPUT SCREENS

1) Home Page:

The screenshot shows a web browser window for 'localhost:2727-2729' displaying the 'Hospital Management System'. The page title is 'Welcome to Hospital Management System'. At the top, there is a navigation bar with links for 'Home', 'Register', 'Login', and 'Admin'. Below the navigation bar, a message box displays 'server connection successful', 'database connection successful', and 'select command success'. A search form titled 'Search For Doctor' is present, with a text input field labeled 'Enter Doctor Name' and a 'Search' button. Below the search form is a table showing doctor details:

| Doctor Id | Doctor Name | Specialization | Appointment Timings | Fees |
|-----------|-------------|----------------|---------------------|------|
| 1 | ravindra | cardiologist | 3:00 PM - 4 PM | 300 |
| 3 | mahesh | cardiology | 5:00 PM- 6:00 PM | 500 |
| 4 | Ashok Kumar | Gynacology | 5:00 PM- 6:00 PM | 400 |

The bottom of the screen shows the Windows taskbar with various icons and the system clock indicating '12:32 AM 3/1/2019'.

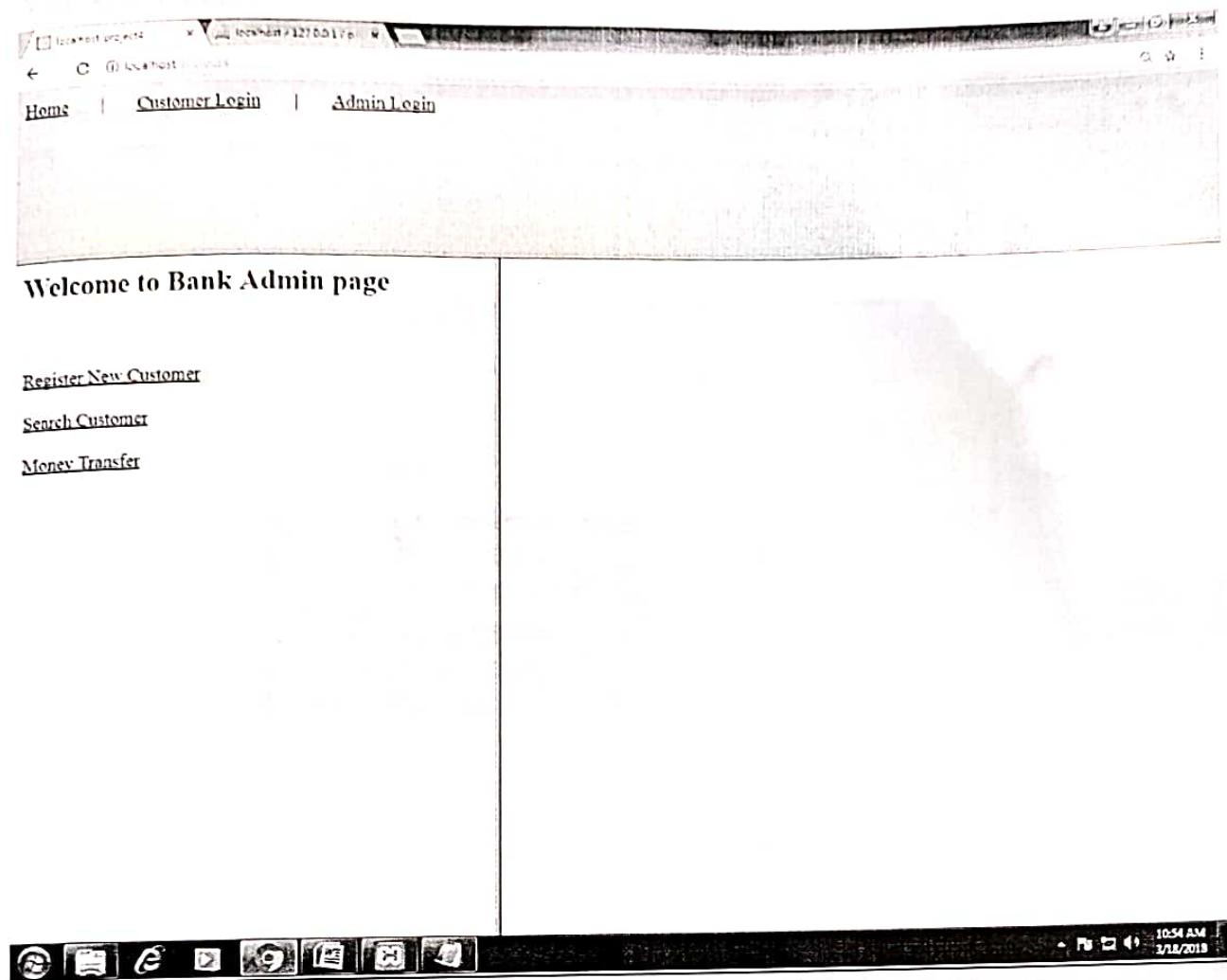
2) Admin Dashboard:

The screenshot shows a web-based Admin Dashboard. On the left, there's a sidebar with the title "Welcome to Admin Panel" and links for "Display Present Doctors", "Add New Doctor", "Delete Existing Doctor", and "Update Doctor". The main content area displays a table of doctors with columns: Doctor Id, Doctor Name, Specialization, Timings, and Price. The table contains four rows of data. Above the table, there are three lines of text indicating successful database connections: "server connection successful", "database connection successful", and "select command success".

| Doctor Id | Doctor Name | Specialization | Timings | Price |
|-----------|-------------|----------------|------------------|-------|
| 1 | ravendra | cardiologist | 3:00 PM - 4 PM | 300 |
| 2 | mahesh | cardiology | 5:00 PM- 6:00 PM | 500 |
| 4 | Ashok Kumar | Gynaecology | 5:00 PM- 6:00 PM | 400 |

server connection successful
database connection successful
select command success

3) Bank Admin Page:



4) Add New Doctor:

The screenshot shows a web browser window with the URL `localhost:127.0.0.1/~praveen/doctors/doctors.php`. The page is titled "Add New doctor Page". On the left, there is a sidebar titled "Welcome to Admin Panel" with links: "Display Present Doctors", "Add New Doctor", "Delete Existing Doctor", and "Update Doctor". The main content area has a heading "Fill the following details." and a form with four input fields: "doctor Name", "Specialization", "Timing", and "Fees". Below the form are two buttons: "Add doctor" and "Reset". The status bar at the bottom right shows the date and time: "1:50 AM 1/21/2018".

| | |
|----------------|--|
| doctor Name | |
| Specialization | |
| Timing | |
| Fees | |

Add doctor Reset

localhost/127.0.0.1/

← C G localhost/127.0.0.1/

Home | Search | Login | Admin

Welcome to Admin Panel

[View Present Doctors](#)

[Add New Doctor](#)

[Delete Existing Doctor](#)

[Update Doctor](#)

Add New doctor Page

Add New doctor

Fill the following details.

| | |
|----------------|-------------------|
| doctor Name | S |
| Specialization | ENT Specialist |
| Timing | 7:00 PM - 8:00 PM |
| Fees | 300 |

Add doctor | Reset

5) Display Doctors:

The screenshot shows a web application titled "Welcome to Admin Panel". On the left sidebar, there are four menu items: "Display Present Doctor", "Add New Doctor", "Delete Existing Doctor", and "Update Doctor". The main content area displays a table with the following data:

| Doctor Id | Doctor Name | Specialization | Timings | Price |
|-----------|-------------|----------------|-------------------|-------|
| 1 | Ravindra | cardiologist | 4:00 PM - 4 PM | 100 |
| 3 | Rushesh | cardiology | 5:00 PM - 6:00 PM | 150 |
| 4 | Ashok Kumar | Gynaecology | 5:00 PM - 6:00 PM | 160 |
| 5 | S. | ENT Specialist | 7:00 PM - 8:00 PM | 100 |

At the top of the main content area, there are three status messages: "server connection successful", "database connection successful", and "select command success". The bottom right corner of the screen shows the system date and time as "152 AM 3/21/2018".

6) Delete Doctor:

The screenshot shows a web browser window with the URL `localhost:127.0.0.1/p...`. The page title is "Delete Existing Doctor Page". On the left, there's a sidebar titled "Welcome to Admin Panel" with links: "Display Present Doctors", "Add New Doctor", "Delete Existing Doctor", and "Update Doctor". The main content area has a heading "Delete Existing Doctor" and a sub-instruction "Fill the following details.". Below this is a form with a single input field labeled "Doctor Id" containing the value "3". At the bottom of the form are two buttons: "Delete Doctor" and "Reset". The browser's status bar at the bottom right shows the date "3/21/2013" and time "1:52 AM".

Welcome to Admin Panel

Display Present Doctors
Add New Doctor
Delete Existing Doctor
Update Doctor

Delete Existing Doctor Page

Delete Existing Doctor

Fill the following details.

| | |
|---|----------------------|
| Doctor Id | <input type="text"/> |
| <input type="button" value="Delete Doctor"/> <input type="button" value="Reset"/> | |

Delete command success

Doctor Details deleted successfully.

10:59 AM 3/21/2018

7) Display Remaining Doctors:

The screenshot shows a web application titled "Welcome to Admin Panel". On the left sidebar, there are four menu options: "Display Present Doctor", "Add New Doctor", "Delete Existing Doctor", and "Update Doctor". The main content area displays a table of doctors with the following data:

| Doctor Id | Doctor Name | Specialization | Timings | Price |
|-----------|-------------|----------------|------------------|-------|
| 1 | ravindra | cardiologist | 3.00 PM - 4 PM | 300 |
| 3 | mahesh | cardiology | 5.00 PM- 6.00 PM | 500 |
| 4 | Ashok Kumar | Gynaecology | 5.00 PM- 6.00 PM | 400 |

At the top of the main content area, there is a message: "server connection successful", "database connection successful", and "select command success". The bottom right corner of the screen shows the system status: "1:53 AM" and the date "3/21/2013".

8) Update Doctor: <http://localhost:127.0.0.1/pms/>

The screenshot shows a web browser window with the URL <http://localhost:127.0.0.1/pms/>. The page title is "Update Existing Doctor Page". On the left, there is a sidebar titled "Welcome to Admin Panel" with links: "Display Present Doctors", "Add New Doctor", "Delete Existing Doctor", and "Update Doctor". The main content area has a heading "Update Existing Doctor" and a sub-instruction "Fill the following details.". Below this is a form with fields for "Doctor Id", "Doctor Name", "Specialization", "Timings", and "Fees". At the bottom of the form are two buttons: "Update Doctor" and "Reset". The browser's status bar at the bottom right shows the time as 1:54 AM and the date as 1/21/2018.

| | |
|----------------|----------------------|
| Doctor Id | <input type="text"/> |
| Doctor Name | <input type="text"/> |
| Specialization | <input type="text"/> |
| Timings | <input type="text"/> |
| Fees | <input type="text"/> |

9) Customer Registration Form:

The screenshot shows a web browser window with the URL `http://localhost:127.0.0.1/` in the address bar. The page title is "Customer Registration Page". At the top, there is a navigation menu with links for "Home", "Register", "Login", and "Admin". Below the menu, the main content area is titled "Customer Registration". A sub-instruction "Fill the following details." is present. A form is displayed with the following fields:

| | |
|------------------|--------------------------|
| Customer Name | <input type="text"/> |
| Mobile | <input type="text"/> |
| Email | <input type="text"/> |
| Password | <input type="password"/> |
| Re-type Password | <input type="password"/> |

At the bottom of the form are two buttons: "Register" and "Reset".

10)Customer Login Form:

The screenshot shows a web browser window with the URL `localhost:127.0.0.1/p`. The page title is "Customer Login Page". The main content area is titled "Customer Login" and contains the instruction "Enter username and password.". Below this is a form with two input fields: "User Name(email)" containing "raresh@gmail.com" and "Password" containing "*****". At the bottom of the form are "Login" and "Reset" buttons. The browser's address bar shows the URL and includes navigation icons. The status bar at the bottom right shows the date and time: "1:56 AM 3/21/2013".

| | |
|---|------------------|
| User Name(email) | raresh@gmail.com |
| Password | ***** |
| <input type="button" value="Login"/> <input type="button" value="Reset"/> | |



Customer Login Page

Customer Login

Enter username and password.

| | |
|------------------|---|
| User Name(email) | raesn@gmail.com |
| Password | ***** |
| | <input type="button" value="Login"/> <input type="button" value="Reset"/> |

server connection successful
database connection successful
username and password are correct
bookappointment.php

1:57 AM

3/21/2018

11) Book Appointment Page:

The screenshot shows a web browser window with the URL `localhost:127.0.0.1/BookAppointment`. The title bar says "localhost [Port 2046]". The menu bar includes "File", "Edit", "View", "Insert", "Format", "Tools", "Help", and "Logout". Below the menu is a navigation bar with "Home", "Regular", "Logout", and "Admin". The main content area has a header "Order For Doctors" and "Search For Doctors". It contains a search bar with placeholder text "Please Enter Specialization Name (Ex. cardiology, gynecology)" and a "Search" button. There are three input fields: "Please Enter Doctor ID", "Customer Name", and "Customer Email", each with a corresponding text input field. A "Book Appointment" button is located below these fields. The bottom of the page features a toolbar with various icons and a status bar showing "LAST AM 1/21/2013".

Order For Doctors

Search For Doctors

Please Enter Specialization Name (Ex. cardiology, gynecology)

Please Enter Doctor ID

Customer Name

Customer Email

Book Appointment

LAST AM
1/21/2013

12) Book Appointment Success Page:

The screenshot shows a web application titled "Order For Doctors". At the top, there is a navigation bar with links for "Home", "Logout", and "Admin". Below the navigation bar, a message box displays server and database connection status: "server connection successful", "database connection successful", and "select command success".

The main content area is titled "Search For Doctors" and contains a search form with a placeholder "Please Enter Specialization Name (Ex. cardiology, gynecology)" and a "Search" button.

A table lists doctor information:

| Doctor ID | Doctor Name | Specialization | Timings | Fees |
|-----------|-------------|----------------|------------------|------|
| 4 | Ashok Kumar | Gynaecology | 5.00 PM- 6.00 PM | 400 |

Below the table, there are input fields for booking an appointment:

- Please Enter Doctor ID:
- Please Enter Appointment Date: 22-3-18
- Customer Name: rajesh
- Customer Email: rajesh@gmail.com
- Customer Mobile: 9876543210

A "Book Appointment" button is located at the bottom of these fields.

The browser's address bar shows the URL: "http://localhost:127.0.0.1/p...".



Order For Doctors

Search For Doctors

Please Enter Specialization Name (Ex: cardiology, gynocology)

Please Enter Doctor ID

Please Enter Appointment Date

Customer Name

Customer Email

Customer Mobile:

insert command success

Thankyou for Booking Appointment.



13) View appointments:

Welcome to Admin Panel

Display Present Doctors
Add New Doctor
Delete Existing Doctor
Update Doctor
View Appointments

Search For Appointments

Please Enter Specialization Name (Ex. cardiology, gynecology)

server connection successful
database connection successful
select command success

All Appointments

| Doctor ID | Doctor Name | Specialization | Customer Name | Email | Mobile |
|-----------|-------------|----------------|---------------|------------------|------------|
| 1 | Ashok Kumar | Gynecology | rajesh | rajesh@gmail.com | 8757878787 |

4) Test Case 4: Book New Appointment (Customer Book New Appointment)

Given a customer has a valid appointment slot and a valid appointment details.

When customer books a new appointment.

Then customer gets a confirmation message and the appointment is added to the appointment list.

5) Test Case 5: View All Appointments (Admin View All Appointments)

Given an admin has a valid login credentials.

When admin logs in to the application.

Then admin can view all the appointments.

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: Customer 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 doctors: customer, search for doctors by their specialization– it is success.
- 4) Test Case 4: Book New Appointment: customer book new appointment. The appointment details are stored in booking table. it is success.
- 5) Test Case 5: View Appointments: Admin view all appointments and he can search for specified doctor's appointment- it is success

10.LIMITATIONS OF THE PROJECT

In this project we developed all the functionalities of online hospital applications. Here limitations are, this project not contains all the roles of hospital employees. Here we used only customer can search for doctor, and he take appointment. Admin can view all the appointments.

11. SCOPE OF FUTURE REFERENCE

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

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