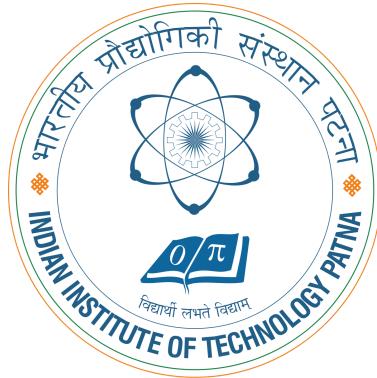


CS355 Mini Project Assignment

Team Report



Creation of various online services using php & mysql

Guest-House Booking Service

Landscaping Service

Market Management service

Team 10

1901CS28 - Jenish Monpara

1901CS63 - Tanishq Malu

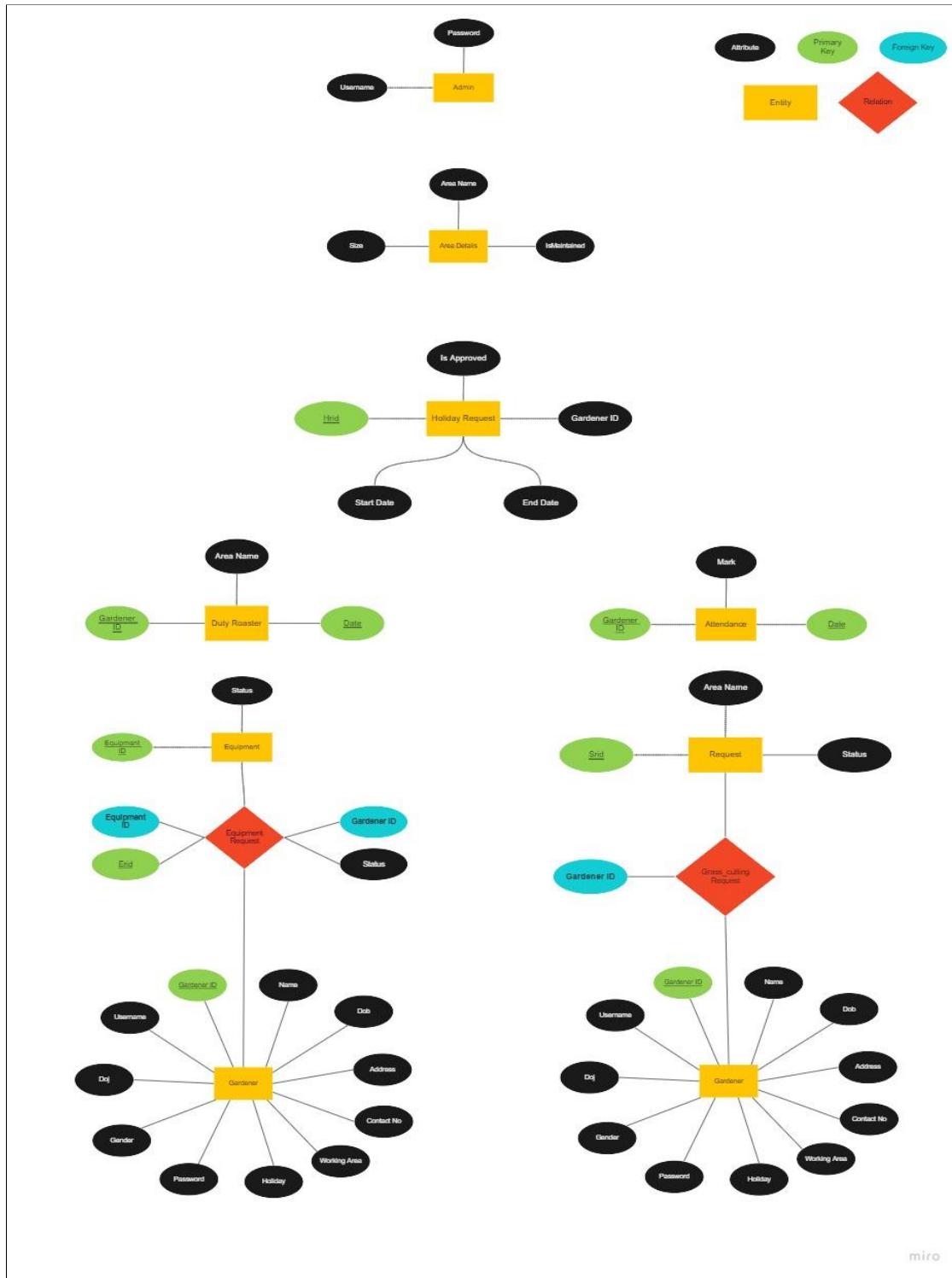
1901CS65 - Tarusi Mittal

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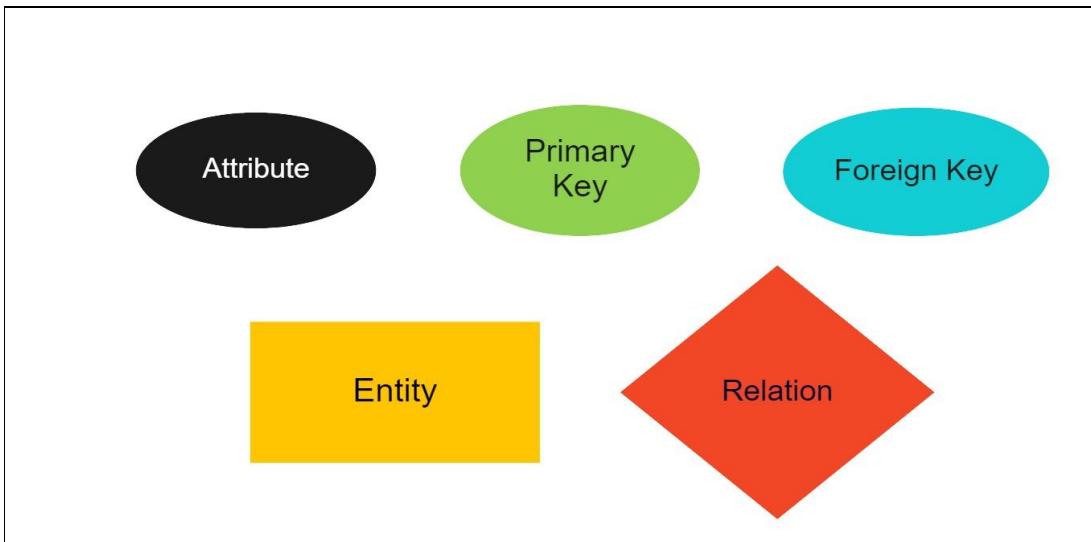
LANDSCAPING SERVICES

E-R Diagrams

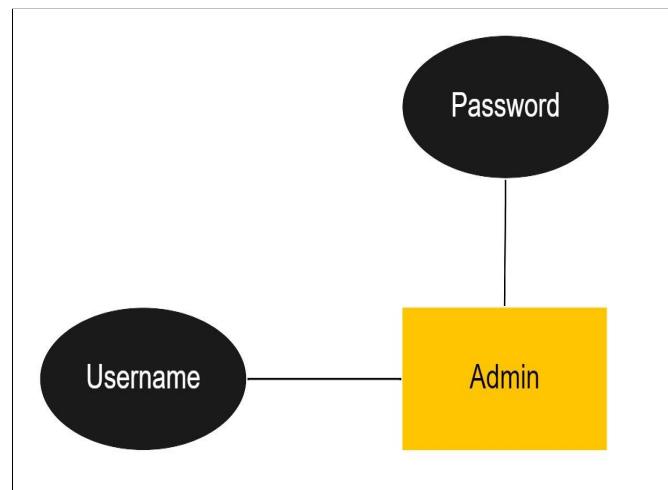


The complete E-R Diagram

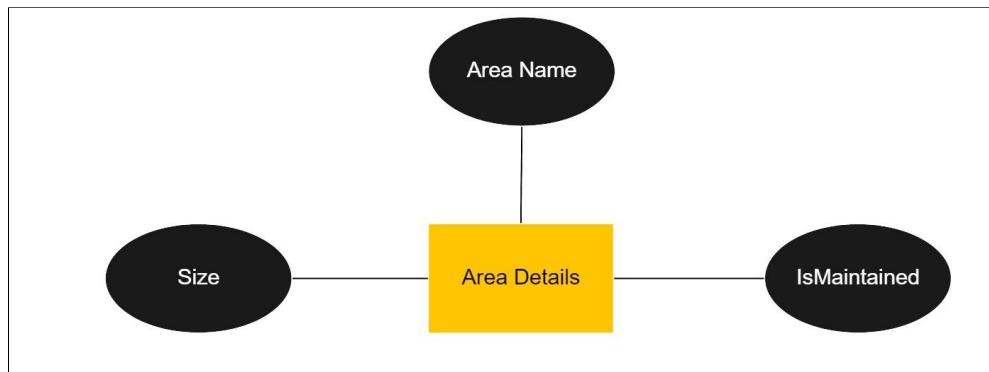
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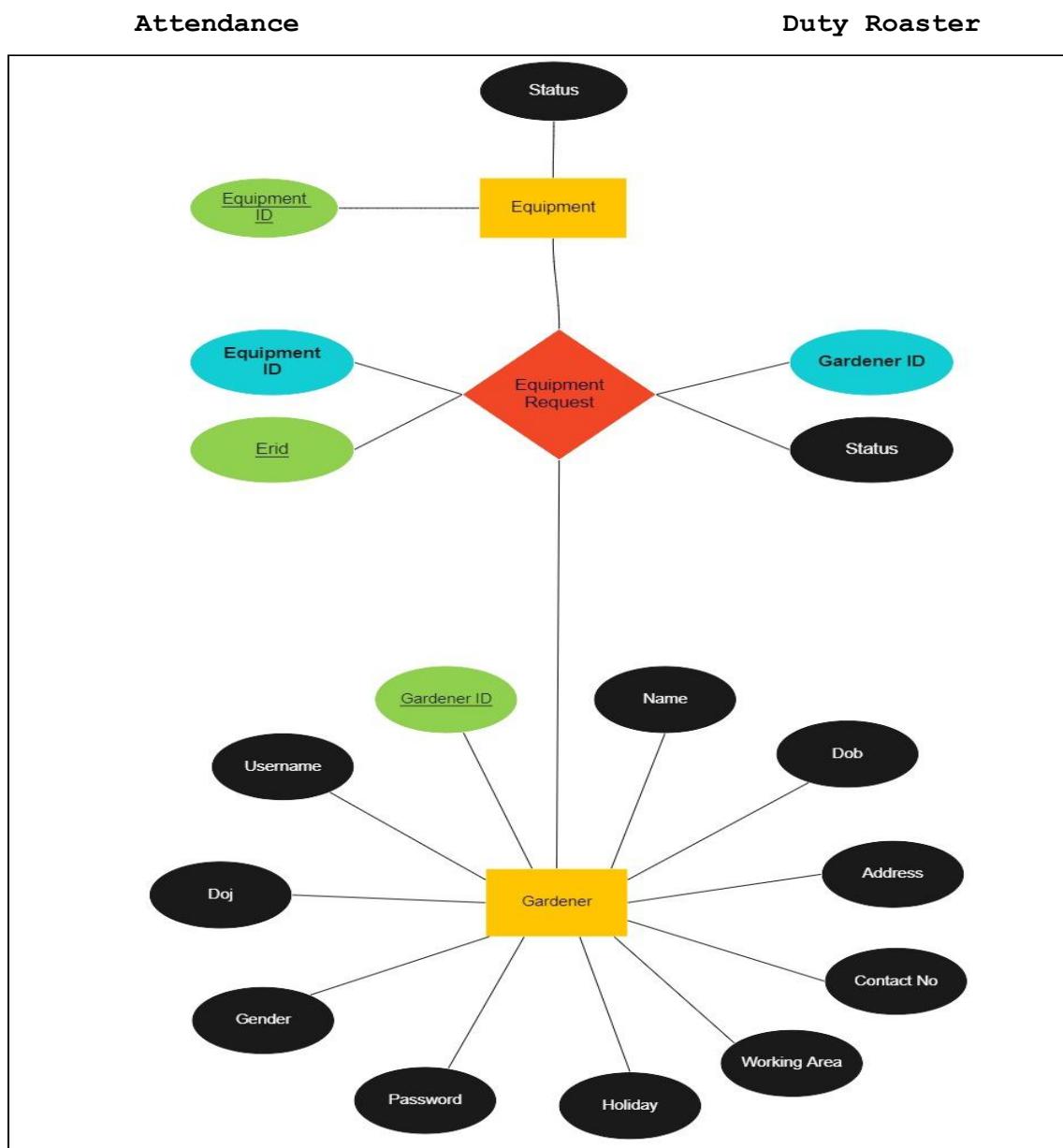
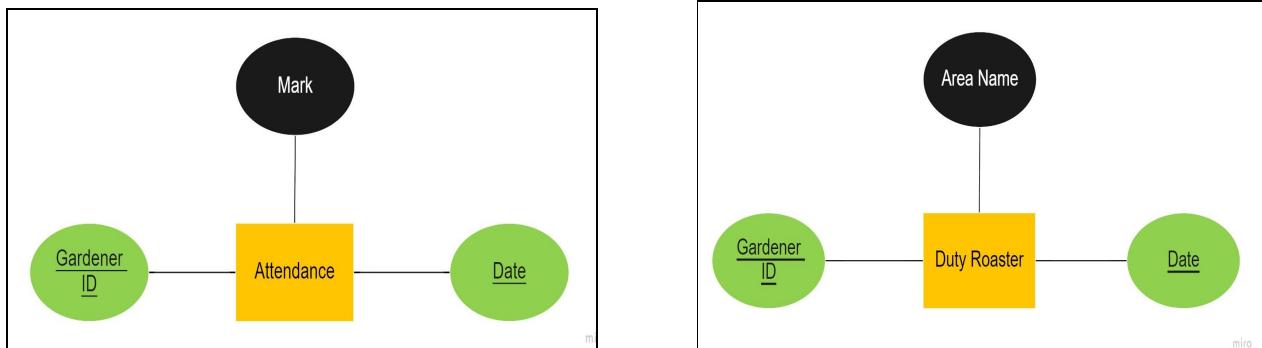
Legends

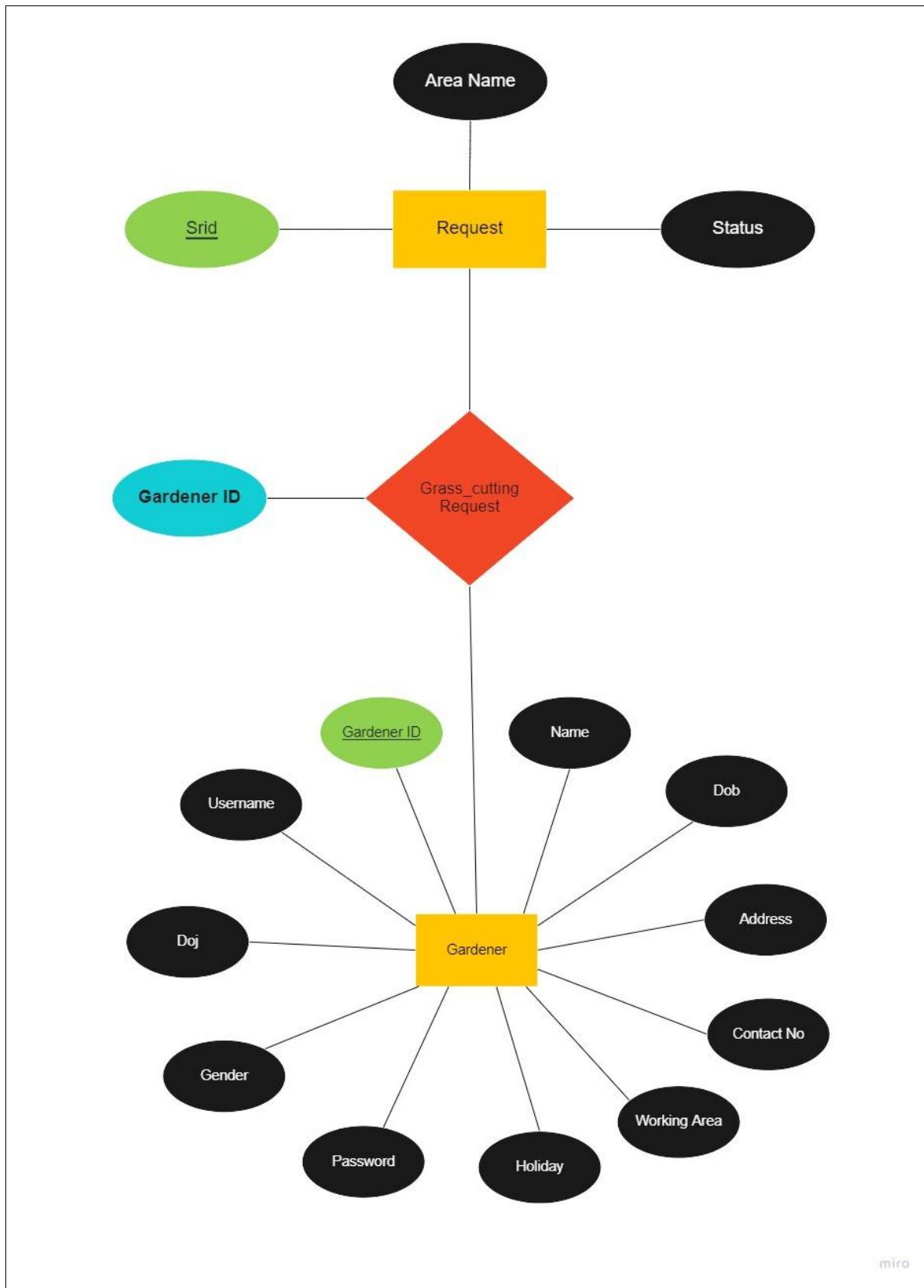


Admin



Area Details





Gardener-Grass_Cutting_Request-Request

Relational Schema

Our LandScaping Database Consists Of the Following Tables:

Entity 1: Admin

Attribute	Description	Type	Length
Username	Admin Side Username	Varchar	255
Password	Password to access admin login	Varchar	50

Entity 2: Area Details

Attribute	Description	Type	Length
AreaName	Name of the area	Varchar	255
Size	Size of the area	Int	11
IsMaintained	Whether the area is currently maintained or requires maintenance	Int	11

Entity 3: Attendance

Attribute	Description	Type	Length
Gardenerid (Primary Key)	Gardener's ID	Int	11
Date (Primary Key)	The date of a particular day	date	-
Mark	To mark present or absent	Int	11

Entity 4: Duty Roaster

Attribute	Description	Type	Length
Gardenerid (Primary Key)	Gardener's ID	Int	11
Date (Primary Key)	The date of a particular day	date	-
Areaname	The area of work	Varchar	255

Entity 5: Equipment

Attribute	Description	Type	Length
Equipmentid (Primary Key)	Unique Equipment Id for each equipment	Int	11
Status	To check if the equipment is in repaired status or not	Int	11

Entity 7: Gardener

Attribute	Description	Type	Length
Gardenerid (Primary Key)	Unique Gardener id for each Gardener	Int (Auto Increment)	11
Username (Index)	Username to Access the portal	Varchar	55
Name	Gardener's Name	Varchar	255
Dob	Gardner's Date Of Birth	Date	-
Address	Gardner's Address	Varchar	255

ContactNo	Gardener's Contact No	Big Int	20
WorkingArea	The Area to work on On current Date	Varchar	255
Holiday	The fixed one in week holiday day	Varchar	20
Password	Password to Access The portal	Varchar	255
Gender	Gardener's gender	Varchar	10
Doj	Gardener's Date of Joining Of Institute	Date	-

Entity 8: Holiday Request

Attribute	Description	Type	Length
Hrid (Primary Key)	HolidayRequest Number	Int (Auto Increment)	11
Gardenerid	The Gardenerid of the gardener who made the Request	Int	11
Startdated	The date the holiday starts	Date	-
Enddate	The date the holiday ends	Date	-
isApproved	Track the status of the request whether it is approved declined or pending from admin's side	Varchar	255

Relation1: Equipment Request

Attribute	Description	Type	Length
Erid (Primary Key)	Equipment repair Request Number	Int (Auto Increment)	11
Equipmentid (Foreign Key)	Unique Equipment Id for each equipment	Int	11
Gardenerid (Foreign Key)	Gardener's ID	Int	11
Status	To check the progress status of request	Int	11

Relation 2: Request (Grass Cutting Request)

Attribute	Description	Type	Length
Srid (Primary Key)	Grass Cutting Request Number	Int (Auto Increment)	11
Areaname	Name of the area where grass is to be cut	Varchar	255
Gardenerid (Foreign Key)	The Gardenerid of the gardener who is allotted that request	Int	11
Status	Status Of the request	Int	11

ScreenShots of Pages And Related Queries

The Home page:

The landing page i.e the index.php. It shows 3 options whether you want to login as admin or you want to login as gardener or you are a new gardener and you want to sign up to the page.

The Sign-Up Page:

A screenshot of a web browser showing a sign-up form titled "Enter Gardener Details". The form is located at the URL "localhost/Mini-project/signup.php". The fields include:

- Name: A text input field containing "firstname lastname".
- Dob: A text input field containing "mm/dd/yyyy".
- Address: A text input field.
- Contact Number: A text input field containing "10 digit number".
- Password: A text input field.
- Gender: A dropdown menu showing "M/F".
- Username: A text input field.
- Doj: A text input field containing "mm/dd/yyyy".
- Submit: A blue "Submit" button.

```

$name = $_POST['name'];
$dob = $_POST['dob'];
$contactno = $_POST['contactno'];
$address = $_POST['address'];
$gender = $_POST['gender'];
$username = $_POST['username'];
$password = $_POST['password'];
$doj = $_POST['doj'];
$password = md5($password);

$sql = "insert into gardener(name,dob,contactno,password,address,gender,username,doj)
values('$name','$dob','$contactno','$password','$address','$gender','$username','$doj')";

$result = mysqli_query($db,$sql);

if($result){
    header('location: gardenerlogin.php');
}
else{
    echo mysqli_error($db);
}

```

Here it will take the inputs from the form and then insert it into our database in the gardener table.

The Gardener/Admin Login Page:

A screenshot of a web browser window showing a login form. The URL in the address bar is 'localhost/Mini-project/gardenerlogin.php'. The form has two text input fields: 'Username' containing 'taru' and 'Password' containing '.....'. Below the password field is a blue 'Confirm identity' button.

A screenshot of a web browser window showing a login form. The URL in the address bar is 'localhost/Mini-project/adminlogin.php'. The form has two text input fields: 'Email address' containing 'username' and 'Password' containing '*****'. Below the password field is a blue 'Confirm identity' button.

The gardener and the admin page uses the same kind of code except for when the user is authorised they are redirected to their individual pages.

```

<?php
    require_once('db.php');
    session_start();
    $wrong = 0;
    if(isset($_POST['username'])) {
        $username = $_POST['username'];
        $password = $_POST['password'];
        $sql = "SELECT * FROM admin WHERE username = '$username'";
        $result = mysqli_query($db, $sql);
        $row = mysqli_fetch_assoc($result);
        if($row['password'] === $password) {
            $_SESSION['username'] = $username;
            header("Location: attendance.php");
        }
        else{
            $wrong = 1;
        }
    }
?>

```

Here as we can see when the password entered by the user will match the password it had set earlier the user will be taken to the respective page

From here we will first see all the admin side interface and then we will see the gardener's side interface.

The Attendance Page:

mark	present	absent
Puja Goyal	Tejas	Tarusi Mittal
Tanishq Malu	Tripati	

The screenshot shows a web application titled "Landscaping portal". At the top, there is a navigation bar with links: Home, Duty Roaster, Gardener Status Today, Grass Cutting Requests, Equipments Requests, Holiday Request, and a dropdown menu "miniproject ▾". Below the navigation bar is a table representing the attendance status of four individuals. The columns are labeled "mark", "present", and "absent". The rows contain the names of the gardeners: Puja Goyal, Tanishq Malu, Tejas, and Tarusi Mittal. Each row has two buttons under the "mark" column: "Present" (green) and "Absent" (red). The "Present" button is highlighted for Puja Goyal and Tanishq Malu, while the "Absent" button is highlighted for Tejas and Tarusi Mittal.

When we successfully login from admin login we reach the attendance page. Now here are three column

Mark: The gardener's for which we have to mark the attendance

Present: Those who have been Marked Present

Absent: Those who have been Marked Absent

How we will see the individual code for these :

```

<?php
require_once('db.php');
require_once('../template/navbar.php');
$sql = "SELECT gardenerid FROM gardener";
$result = mysqli_query($db, $sql);
// $row = mysqli_fetch_array($result);
// echo mysqli_error($db);
// echo strval(mysqli_num_rows($result))." ";
$tomark = array();
$present = array();
$absent = array();
$date = date("y-m-d");
while($row = mysqli_fetch_array($result)){
    $query = "SELECT * from attendance WHERE
    date='".$date' and gardenerid={$row['gardenerid']} ";
    $resultMark = mysqli_query($db,$query);
    $markRow = mysqli_fetch_array($resultMark);

    if(mysqli_num_rows($resultMark) == 0){
        array_push($tomark,$row['gardenerid']);
    }
    else if($markRow['mark'] == 1){
        array_push($present,$row['gardenerid']);
    }
    else{
        array_push($absent,$row['gardenerid']);
    }
}

?>

```

This is the attendance page where all gardeners for that date are fetched and put in the mark section.

```

<?php
require_once('db.php');
if(isset($_POST['id'])){
$id = $_POST['id'];
$date = date("y-m-d");
$markpressql = "INSERT into
| attendance values('$id', '$date',1)";
$result = mysqli_query($db, $markpressql);
if($result){
// header("Location: attendance.php" );
}
else{
    echo mysqli_error($db);
}
?>

```

To mark present

```

<?php
require_once('db.php');
if(isset($_POST['id'])){
$id = $_POST['id'];
$date = date("y-m-d");
$markpressql = "INSERT into
| attendance values('$id', '$date',0)";
$result = mysqli_query($db, $markpressql);
if($result){
// header("Location: attendance.php" );
}
else{
    echo mysqli_error($db);
}
?>

```

To mark absent

Now from the navbar we come to the [Duty Roaster](#)

The screenshot shows the homepage of the Landscaping portal. At the top, there is a header with the text "IIT PATNA" on the left and "Landscaping portal" on the right. Below the header is a teal-colored navigation bar containing links for "Home", "Duty Roaster", "Gardener Status Today", "Grass Cutting Requests", "Equipments Requests", "Holiday Request", and "miniproject ▾". The main content area contains several blue hyperlinks: "Assign Duties", "Check Area Wise Details", "Display Duty Roaster For All gardeners", and "Check Individual Gardener Duty Details". Under "Check Individual Gardener Duty Details", there is a list of gardener IDs: "Gardener ID: 7", "Gardener ID: 5", "Gardener ID: 3", "Gardener ID: 6", and "Gardener ID: 4".

In our duty roaster we see that we have 4 types of functionalities:

1. **Assign Duties:** This is basically if the admin wants to assign duty on a particular day to a gardener.

The screenshot shows a form titled "Assign Duties". It includes fields for "Start Date" (set to "12/01/2021") and "End Date" (set to "12/04/2021"). There is also a "Area" field containing "Block10" and a "GardenerID" field containing "4". At the bottom of the form is a blue "Submit" button.

Over here after clicking the submit button from the start date to end date work will be allotted to that gardener in that area

and it will be reflected on the gardeners page. You will see that once we move on to the gardeners' side of the website.

```
<?php
    require_once('db.php');

    require_once('./template/navbar.php');

    if(!isset($_SESSION['username'])){
        header("Location: adminlogin.php");
    }
    $sql = "SELECT gardenerid FROM gardener";
    $result = mysqli_query($db, $sql);

    $gardenerids = array();

    while($row = mysqli_fetch_array($result)){
        array_push($gardenerids, $row['gardenerid']);
    }

    if(isset($_POST['DutySubmit'])){
        $gardenerid = $_POST['gardenerid'];
        $area = $_POST['area'];
        $startdate = $_POST['startdate'];
        $enddate = $_POST['enddate'];
        $table = "roster";

        $begin = new DateTime($startdate);
        $end = new DateTime($enddate);

        $interval = DateInterval::createFromString('1 day');
        $period = new DatePeriod($begin, $interval, $end);
        $holidayquery = "SELECT holiday FROM gardener WHERE
gardenerid='$gardenerid'";
        $holidayres = mysqli_query($db, $holidayquery);
        $holidayrow = mysqli_fetch_array($holidayres);
        $holiday = $holidayrow['holiday'];
    }
}

foreach ($period as $dt) {
    $dateform = $dt->format('Y-m-d');
    $holidayinsert = "INSERT INTO dutyroaster
VALUES('$gardenerid', '$dateform', '$holiday')";
    $insertquery = "INSERT INTO dutyroaster
VALUES('$gardenerid', '$dateform', '$area')";
    echo mysqli_error($db);
    $MyGivenDateIn = strtotime($dateform);
    $ConverDate = date("I", $MyGivenDateIn);
    $ConverDateTomatch = strtolower($ConverDate);
    if($ConverDateTomatch == $holiday){
        mysqli_query($db, $holidayinsert);
    } else {
        $res = mysqli_query($db, $insertquery);
        if($res){
            $updateQuery = "UPDATE gardener SET workingarea
= '$area' WHERE gardenerid=$gardenerid";
            $ures = mysqli_query($db,$updateQuery);
        }else{
            echo mysqli_error($db);
        }
    }
}
unset($_POST['DutySubmit']);
```

These are the queries by which the Roaster Creation Takes Place and our table in the database which is the duty roaster table also gets populated by this.

2. Check Area Wise Details: Over here we can select the area and the date on which we want to see the gardener's detail i.e. It shows us the gardener's details of a particular area.

The screenshot shows a web application interface. At the top, there is a navigation bar with links: Home, Duty Roaster, Gardener Status Today, Grass Cutting Requests, Equipments Requests, Holiday Request, and a dropdown menu 'miniproject ▾'. Below the navigation bar, the title 'Area Wise Gardener Id's' is displayed. Underneath the title, there is a form labeled 'Area Filter:' with fields for 'Block5' (text input), '12/02/2021' (date input), and 'Submit' (button). Below the form is a table with columns: GardenerID, Username, Full Name, Contact No, Date Of Joining, Date Of Birth, Address, and Gender. One row is highlighted in blue, showing the following data: GardenerID 7, Username puja, Full Name Puja Goyal, Contact No 8798798789, Date Of Joining 2021-11-25, Date Of Birth 1994-08-23, Address House no 147, Punjab, and Gender F.

```
<?php
    $sql = "SELECT * FROM dutyroaster where gardenerid = 0";
    if(isset($area) and $area != ''){
        $sql = "select * from dutyroaster where areaname = '$area' and date = '$date'";
    }

    $result = mysqli_query($db, $sql);

    while($row = mysqli_fetch_assoc($result)){
        $sql1 = "SELECT * FROM gardener WHERE gardenerid={$row['gardenerid']}";
        $result1 = mysqli_query($db, $sql1);
        $row1 = mysqli_fetch_assoc($result1);
    }
?>
```

This is the sql query by which we find the gardener details of a particular area. Here first we select the gardener id list corresponding to that area and date from duty roaster and then from our gardener table we display values corresponding to that gardener id.

3. Display Duty Roaster for all gardeners: This is basically the monthly duty roaster or in our case we can see that between any days i.e rather than simply being monthly it is year wise and day wise also.

Date	Gardener ID	Area Name
2021-11-30	3	Block7
2021-12-10	3	mess Backside
2021-12-01	4	Block10
2021-12-02	4	Block10
2021-12-03	4	Block10
2021-12-01	7	Block5
2021-12-02	7	Block5
2021-12-03	7	Block5

```
if(isset($_POST['ViewDutySubmit'])){
    $startdate = $_POST['startdate'];
    $enddate = $_POST['enddate'];
    if($gardenerid=='*'){
        $getquery = "SELECT * FROM dutyroaster
                    WHERE date BETWEEN '$startdate' AND '$enddate' ";
        $fires = mysqli_query($db, $getquery);
    }
}
```

Here we can see that if we want to display total for all gardeners it simply select the dates then gets the query between that dates

4. Check Individual Gardener's Duty Details: This is the personal duty roaster type of each gardener based on their gardenerid.

Date	Area Name
2021-12-01	Block5
2021-12-02	Block5
2021-12-03	Block5

This is for gardenerid 7 as can be seen from the url and the dates that were selected.

```

$getquery = "SELECT * FROM dutyroaster WHERE
gardenerid='$gardenerid' and (date BETWEEN '$startdate' AND '$enddate' ) ";
$fires = mysqli_query($db, $getquery);

```

This is the sql query corresponding to 4th point.

For 3rd and 4th point to display the roaster the following code was used:

<pre> if(\$gardenerid == '*'){ if(\$fires != null){ ?> <div class="wrapper0"> <div class="wrapper1"> <table id ="users"> <tr><th>Date</th> <th>Gardener ID</th> <th>Area Name</th></tr> <?php while(\$row = mysqli_fetch_array(\$fires)){ ?> <tr> <td><?php echo \$row['date'];?></td> <td><?php echo \$row['gardenerid'];?></td> <td><?php echo \$row['areaname'];?></td> </tr> <?php } ?> </table> </div> </div> <?php } } </pre>	<pre> else { if(\$fires != null){ ?> <div class="wrapper0"> <div class="wrapper1"> <table id ="users"> <tr><th>Date</th> <th>Area Name</th></tr> <?php while(\$row = mysqli_fetch_array(\$fires)){ ?> <tr> <td><?php echo \$row['date'];?></td> <td><?php echo \$row['areaname'];?></td> </tr> !!-- // echo "<li class='list-group-item'>"<?php } </table> </div> </div> <?php } } </pre>
---	--

For all gardeners

```

<body>
<div class="wrapper0">
    <div class="wrapper1">
        <h1>Gardener Status Today</h1>

        <table id = "users">
            <tr>
                <th>Gardener-ID</th>
                <th>Current Working Area</th>
            </tr>

            <?php
                $gardener_query = "SELECT * FROM dutyroaster WHERE date = current_date";
                $gardener_result = mysqli_query($db, $gardener_query);

                while($gardener_row = mysqli_fetch_assoc($gardener_result)){
                    ?>
                    <tr>
                        <td><?php echo $gardener_row['gardenerid'];?></td>
                        <td><?php echo $gardener_row['areaname'];?></td>
                    </tr>
                    <?php
                }
            ?>
        </table>
    </div>
</div>

```

For gardener with a particular gardener id

Now coming to the Garden Status Today In Navbar. It basically shows the admin where every garden who is allotted work today is working. This fetches the gardenerid and area details from the duty roaster corresponding to that date.

Grass Cutting Requests:

Now we come to the Grass Cutting Requests:

Request-ID	Area of request	Gardener-ID	Status	Action
6	block2	3	Pending	Work allotted
7	block8	4	Pending	Work allotted
8	boys hostel	6	Pending	Work allotted
9	new girls hostel	Not Assigned	Pending	<input type="text" value="Enter gardenerid"/> <input type="button" value="Allot"/>
10	mess 3 backyard	Not Assigned	Pending	<input type="text" value="Enter gardenerid"/> <input type="button" value="Allot"/>
11	admin block	Not Assigned	Pending	<input type="text" value="Enter gardenerid"/> <input type="button" value="Allot"/>
1	block5	3	Completed	Work allotted
3	block2	3	Completed	Work allotted
4	block1	4	Completed	Work allotted
5	girls hostel	4	Completed	Work allotted

```

<div class="wrapper0">
  <div class="wrapper1">
    <h1>Grass Cutting Requests</h1>
    <table id = "users">
      <tr>
        <th>Request-ID</th>
        <th>Area of request</th>
        <th>Gardener-ID</th>
        <th>Status</th>
        <th>Action</th>
      </tr>
      <?php
        $request_query = "SELECT * FROM request ORDER BY status ASC";
        $request_result = mysqli_query($db, $request_query);

        while($request_row = mysqli_fetch_assoc($request_result)){
      ?>
      <tr>
        <td><?php echo $request_row['srid'];?></td>
        <td><?php echo $request_row['areaname'];?></td>
        <td><?php if($request_row['gardenerid']==NULL) echo 'Not Assigned'; else echo $request_row['gardenerid'];?></td>
        <td><?php if($request_row['status']==0) echo 'Pending'; else echo 'Completed';?></td>
        <td><?php if($request_row['gardenerid']==NULL){ ?>
          <td>
            <form action = "grasscuttingrequest.php" method = "POST">
              <input type = "hidden" name = "srid" value = "<?php echo $request_row['srid'];?>" />
              <input type= "text" name="gardenerid" placeholder="Enter gardenerid"/>
              <input type = "submit" name = "allot" value = "Allot"/>
            </form>
          </td>
        <?php }else{ ?>
          <td>Work allotted</td>
        <?php } ?>
        <?php
      ?>
      </tr>
    </?php
  </div>
</div>

<?php

if(isset($_POST['allot'])){
  $srid = $_POST['srid'];
  $allot_gardenerid = $_POST['gardenerid'];
  $allot_select = "UPDATE request SET gardenerid='$allot_gardenerid' WHERE srid = '$srid'";
  $allot_result = mysqli_query($db, $allot_select);

  echo '<script type = "text/javascript">';
  echo 'alert("gardener allotted!");';
  echo 'window.location.href = "grasscuttingrequest.php"';
  echo '</script>';
}

?>
```

There are 3 types of different options that we see:

1. The status pending and In action a Space to allot the Gardener: This is basically when some person generated a grass cutting request and send it to the admin that grass of this area needs to be cut. The admin then according to the available gardener can allot the garderid and hence work will be allotted.

2. The Work Allotted And Status Pending: This is when the work has been allocated to a gardener but the work is not completed yet and the gardener is working on the request.

3. The status completed: This Implies that when the grass cutting is completed.

Equipment Repair Requests:

The screenshot shows a table titled "Equipment Repair Requests" with the following data:

Request-ID	Equipment-ID	Gardener-ID	Status	Action
25	10	3	Request Pending	<button>Approve</button> <button>Decline</button>
23	4	3	Approved! Work in Progress	<button>Repair Completed</button>
17	12	3	Declined	Declined!
1	231	4	Declined	Declined!
11	22	4	Declined	Declined!
10	30	3	Declined	Declined!
9	90	3	Repaired	Repaired
24	54	7	Repaired	Repaired
8	19	1	Pending	Pending

```


# Equipment Repair Requests



| Request-ID | Equipment-ID | Gardener-ID | Status                     | Action                                            |
|------------|--------------|-------------|----------------------------|---------------------------------------------------|
| 25         | 10           | 3           | Request Pending            | <button>Approve</button> <button>Decline</button> |
| 23         | 4            | 3           | Approved! Work in Progress | <button>Repair Completed</button>                 |
| 17         | 12           | 3           | Declined                   | Declined!                                         |
| 1          | 231          | 4           | Declined                   | Declined!                                         |
| 11         | 22           | 4           | Declined                   | Declined!                                         |
| 10         | 30           | 3           | Declined                   | Declined!                                         |
| 9          | 90           | 3           | Repaired                   | Repaired                                          |
| 24         | 54           | 7           | Repaired                   | Repaired                                          |
| 8          | 19           | 1           | Pending                    | Pending                                           |



```

if(isset($_POST['approve'])){
 $erid = $_POST['erid'];
 $allot_equipmentid = $_POST['equipmentid'];
 $allot_select = "UPDATE equipmentrequest SET status=1 WHERE erid = '$erid'";
 $allot_result = mysqli_query($db, $allot_select);
 $allot_select1 = "UPDATE equipment SET status=0 WHERE equipmentid = '$allot_equipmentid'";
 $allot_result1 = mysqli_query($db, $allot_select1);

 echo '<script type = "text/javascript">';
 echo 'alert("Equipment Request Approved!");';
 echo 'window.location.href = "equipmentrequest.php"';
 echo '</script>';
}

if(isset($_POST['decline'])){
 $erid = $_POST['erid'];
 $allot_equipmentid = $_POST['equipmentid'];
 $allot_select = "UPDATE equipmentrequest SET status=2 WHERE erid = '$erid'";
 $allot_result = mysqli_query($db, $allot_select);

 echo '<script type = "text/javascript">';
 echo 'alert("You declined the equipment request!");';
 echo 'window.location.href = "equipmentrequest.php"';
 echo '</script>';
}

if(isset($_POST['repair'])){
 $erid = $_POST['erid'];
 $allot_equipmentid = $_POST['equipmentid'];
 $allot_select = "UPDATE equipmentrequest SET status=3 WHERE erid = '$erid'";
 $allot_result = mysqli_query($db, $allot_select);
 $allot_select1 = "UPDATE equipment SET status=1 WHERE equipmentid = '$allot_equipmentid'";
 $allot_result1 = mysqli_query($db, $allot_select1);

 echo '<script type = "text/javascript">';
 echo 'alert("Equipment repaired!");';
 echo 'window.location.href = "equipmentrequest.php"';
 echo '</script>';
}

```


```

The equipment Request will be generated by any gardener when s/he feels that the equipment is broken.

Here we can see that there are 4 options:

When a request is pending the admin has two options either to approve the request or to decline. If it declines the portal shows decline

If the admin accepts it will show that work in progress i.e the equipment is currently in repair status. In the work in progress the admin has the button of repair complete. So when equipment repair is complete it will click that button and the same will reflect for the gardener that the repair is done.

Holiday Requests:

The screenshot shows a web interface with a navigation bar at the top containing links: Home, Duty Roaster, Gardener Status Today, Grass Cutting Requests, Equipments Requests, Holiday Request, and miniproject ▾. The main content area has two tables.

Holiday Requests

Gardener ID	Start Date	End Date	Action
3	2021-12-03	2021-12-03	<button>Approve</button> <button>Decline</button>
4	2021-12-09	2021-12-11	<button>Approve</button> <button>Decline</button>

Previous Holiday Requests

Gardener ID	Start Date	End Date	Action
3	2021-11-28	2021-11-28	denied
3	2021-11-29	2021-11-29	approved
5	2021-11-28	2021-11-29	approved
3	2021-11-30	2021-11-30	denied
7	2021-12-03	2021-12-03	denied

```
</tr>
<?php
    $sql = "SELECT * FROM holidayrequest where isApproved='pending'";
    $result = mysqli_query($db, $sql);
    if(mysqli_num_rows($result)==0){
        >
        <td>No Request</td>
        <td>Relax!</td>
        <td>Relax!</td>
        <td>Relax!</td>
    >
}
else{
    while($row = mysqli_fetch_assoc($result)){
        >
        <td><?php echo $row['gardenerid'];?></td>
        <td><?php echo $row['startdate'];?></td>
        <td><?php echo $row['enddate'];?></td>
        <td>
            <form action ="approverequestserver.php" method ="POST">
                <input type="hidden" name="gardenerid" value=<?php echo $row['gardenerid'];?>>;
                <input type="hidden" name="startdate" value=<?php echo $row['startdate'];?>>;
                <input type="hidden" name="enddate" value=<?php echo $row['enddate'];?>>;
                <input type = "submit" name = "accept" value = "Approve"/>
                <input type = "submit" name = "decline" value = "Decline"/>
            </form>
        </td>
    </tr>
    </php>
}
}
</table>

<br>
<br>
<br>

<h2>Previous Holiday Requests</h2>

<table id = "users">
<tr>
    <th>Gardener ID</th>
    <th>Start Date</th>
    <th>End Date</th>
    <th>Action</th>
</tr>
<?php
    $sql1 = "SELECT * FROM holidayrequest where isApproved != 'pending'";
    $result1 = mysqli_query($db, $sql1);
    while($row1 = mysqli_fetch_assoc($result1)){
        >
        <tr>
            <td><?php echo $row1['gardenerid'];?></td>
            <td><?php echo $row1['startdate'];?></td>
            <td><?php echo $row1['enddate'];?></td>
            <td><?php echo $row1['isApproved'];?></td>
        </tr>
    <?php
}
}
</table>
```

```
> approverequestserver.php
1   <?php
2
3   include('db.php');
4
5   if(isset($_POST['accept'])) {
6       $gid = $_POST['gardenerid'];
7       $sdate = $_POST['startdate'];
8       $edate = $_POST['enddate'];
9
10  $sql = "UPDATE holidayrequest set isApproved='approved' where gardenerid='$gid' and startdate='$sdate' and enddate='$edate'";
11
12  $result = mysqli_query($db, $sql);
13
14  if($result){
15      echo '<script type = "text/javascript">';
16      echo 'alert("Approved!");';
17      echo 'window.location.href = "approverequest.php";';
18      echo '</script>';
19  }
20  else{
21      echo mysqli_error($db);
22  }
23 }else{
24     $gid = $_POST['gardenerid'];
25     $sdate = $_POST['startdate'];
26     $edate = $_POST['enddate'];
27
28  $sql = "UPDATE holidayrequest set isApproved='denied' where gardenerid='$gid' and startdate='$sdate' and enddate='$edate'";
29
30  $result = mysqli_query($db, $sql);
31
32  if($result){
33      echo '<script type = "text/javascript">';
34      echo 'alert("Denied!");';
35      echo 'window.location.href = "approverequest.php";';
36      echo '</script>';
37  }
38  else{
39      echo mysqli_error($db);
40  }
41 }
42 >
```

This portal is where when any gardener will request for a holiday, All that will be shown here. The admin will have two options either to decline the request or to approve the request.

Whatever action the admin takes will also be reflected on the gardener's portal as well. The table on the down shows all the previous holiday request that have been sent till now so as to keep track.

Gardener's List:

In our navbar when we click the admin username we see two options either to logout or to see the complete Gardener's List. The logout button takes you to the index.php

```
...>


# Gardeners



This functionality is just to ensure that the admin can view any gardener's detail at any time.



With this the Admin's Side of the Landscaping is completed and now we will see in detail the Gardener's Portal.


```

Gardener's Portal

The screenshot shows the 'User profile' section of the Gardener's Portal. At the top, there is a navigation bar with links: Welcome, taru, Home, How to Reach IIT Patna, Request Holiday, and Contact Us. On the right side of the header is a 'Logout' button.

The main content area is divided into several sections:

- User profile:** Displays a placeholder profile picture of a person with dark hair and a pink shirt, labeled "Taru". Below it, "Gardener ID" is listed as "3".
- Work This Month:** A table showing work assignments for the next 30 days:

Date	Area
2021-11-30	Block7
2021-12-10	mess Backside
- Grass Cutting Requests:** A table showing current areas of work:

block2
Completed
- Request Equipment Repair:** A form with an input field for "Equipment ID" and a "Request" button.
- User Details:** A table with the following information:

Full Name	Tarui Mittal
Gender	F
Address	house no 4688,q block darshan vihar sector 68 mohali,punjab
Phone	9781337500
Date of Birth	2000-12-22
Date of Joining	2021-10-07
Current area of work	Block7
Holiday	sunday
- Update and Change Password:** Buttons for updating the profile and changing the password.
- Request History:** A table showing previous requests:

Request-ID	Equipment ID	Status
25	10	Request Pending
23	4	Approved/ Work in Progress
10	30	Declined
17	12	Declined

This is our main user profile page. In this we can see that all the users' details are given.

And below that is the button for updating the profile and changing the password.

On the left side we have the Work This Month column which shows to you the work that the admin has allocated for the next 30 days.

Inside the details is the current area of work which shows the area assigned on that day.

The holiday is the one fixed holiday that every gardener gets once a week

Below WorkThisMonth comes the Grass Cutting Requests.

As mentioned in the Admin Side when the admin will allot any Gardener Id for a particular Area It will be reflected in the Gardener's Page. Below the user details we can see that there is a Request Equipment Repair.

Over here if the gardener finds out that any equipment is broken then it can request the admin to repair it by providing the id. And the progress on the request is also shown below.

In the navigation bar we can see that there is a holiday request where the gardener can request for holidays.

Now we will see into these functionalities and the related queries for them.

Update Profile

Update Profile [Back](#)



Taru
Gardener ID
3

Full Name	Tarusi Mittal
Gender	F
Address	house no 4688,q block darshan vihar sector 68 mohali,punjab
Phone	9781337500
Date Of Birth	12/22/2000 Edit
Date Of Joining	10/07/2021 Edit
Holiday	sunday

[Save Changes](#)

```
require('db.php');
$var1 = $_SESSION['gardenerid'];
$sql = "SELECT * from `gardener` where gardenerid= '$var1' ";
$query = mysqli_query($db, $sql);
$row = mysqli_fetch_assoc($query);
?>
<?php
$var1 = $_SESSION['gardenerid'];
if (isset($_REQUEST['submit'])) {
    $name = $_REQUEST['name'];
    $gender = $_REQUEST['gender'];
    $dob = $_REQUEST['dob'];
    $contactno = $_REQUEST['contactno'];
    $address = $_REQUEST['address'];
    $doj = $_REQUEST['doj'];
    $holiday = $_REQUEST['holiday'];

    $query = "Update `gardener` SET name = '$name', gender = '$gender', address='$address',
    contactno = '$contactno', dob='$dob', doj = '$doj', holiday ='$holiday' WHERE gardenerid='
    $var1'";
    $result = mysqli_query($db, $query);
    $rows = mysqli_fetch_assoc($result);
    echo '<script type = "text/javascript">';
    echo 'alert("Changes Updated!");';
    echo 'window.location.href = "userprofile.php"';
    echo '</script>';
}
```

From here if the user wishes to change any of his/her details they can simply alter the details and by clicking on save changes the info will be updated and the user will be directed back to the user profile page.

Update Password

The screenshot shows a user profile for 'Taru' with a Gardener ID of 3. On the right, there are fields for 'Existing Password' and 'New Password' with a 'Save Changes' button.

```
require('db.php');
$var1 = $_SESSION['gardenerid'];
$sql = "SELECT * from `gardener` where gardenerid= '$var1' ";
$query = mysqli_query($db, $sql);
$row = mysqli_fetch_assoc($query);
?>
?>php

$wrong = 0;
if (isset($_REQUEST['submit'])) {
    $curr_pass = $_REQUEST['curr_pass'];
    $new_pass = $_REQUEST['new_pass'];
    if($row['password'] === md5($curr_pass)) {
        $hash_new_pass = md5($new_pass);
        $query = "Update `gardener` SET password = '$hash_new_pass' WHERE `gardenerid`='$var1'";
        $result = mysqli_query($db, $query);
        $rows = mysqli_fetch_assoc($result);

        echo '<script type = "text/javascript">';
        echo 'alert("Password Updated!");';
        echo 'window.location.href = "userprofile.php"';
        echo '</script>';
    }
    else{
        $wrong = 1;
    }
}
```

This functionality is for the user to change the portal's password.

Work This Month

With this the work of 30 days is displayed directly to the gardener of the profile page itself.

```
<div class="card mt-3">
<div class="d-flex flex-column align-items-center text-center">
<h3>Work This Month</h3>
<?php
$sql2 = "SELECT * from `dutyroaster` where gardenerid = '$var1' ";
$result2 = mysqli_query($db, $sql2);
if(mysqli_num_rows($result2)==0){
    ?>
    <div class="col-sm-3 mb-3">
    <h6>Hurray ! ALL Work completed.</h6>
    </div>
?>php } else { ?>
<table>
    <tr>
        <th>Date</th>
        <th>Area</th>
    </tr>
<?php
while($row2 = mysqli_fetch_assoc($result2)){
    ?>
    <tr>
        <td><?php echo $row2['date'];?></td>
        <td><?php echo $row2['areaname'];?></td>
    </tr>
?>php
}
```

Date	Area
2021-11-30	Block7
2021-12-10	mess Backside

Grass Cutting Request

```
<div class="card mt-3">
<div class="d-flex flex-column align-items-center text-center">
<h3>Grass Cutting Requests</h3>

<?php
$sql1 = "SELECT * from `request` where gardenerid = '$var1' and status = 0" ;
$result1 = mysqli_query($db, $sql1);
if(mysqli_num_rows($result1)==0){
    >>
    <div class="col-sm-4 mb-3">
        <h6>Hurray ! ALL Requests completed.</h6>
    </div>
<?php } else {
while($row1 = mysqli_fetch_assoc($result1)){
    >
    <div class="col-sm-4 mb-3 db">
        <!-- <div class="card h-100">
            <div class="card-body"> -->
                <h6 class="d-flex align-items-center mb-3"><?php echo $row1['areaname'];?></h6>
                <form action="userprofile.php" method ="POST">
                    <input type = "hidden" name = "srid" value = "<?php echo $row1['srid'];?>" />
                    <input type = "submit" name = "completed" value = "Completed"/>
                </form>
            <!-- </div>
        </div> -->
    </div>
    <?php
}
?>
</div>
```

Here if the admin allotts any area to cut the grass off to the gardener will appear. The Gardener also have the button to complete so that when the work is completed and gardener can press it and let the admin know about it.



Equipment Repair Request

```
if(isset($_POST['request'])){
    $allot_equipmentid = $_POST['equipmentid'];
    $allot_check="SELECT * from equipmentrequest WHERE equipmentid=$allot_equipmentid and (status=0 or status=1)";
    $check_result= mysqli_query($db, $allot_check);
    $num_rows=mysqli_num_rows($check_result);
    if($num_rows){
        echo '<script type = "text/javascript">';
        echo 'alert("Request already exists!");';
        echo 'window.location.href = "userprofile.php"';
        echo '</script>';
    }
    else{
        $allot_select = "INSERT into equipmentrequest(equipmentid,gardenerid) values ('$allot_equipmentid','$var1') ";
        $allot_result = mysqli_query($db, $allot_select);

        echo '<script type = "text/javascript">';
        echo 'alert("Request Generated!");';
        echo 'window.location.href = "userprofile.php"';
        echo '</script>';
    }
}
?>
```

From here the gardener can request to the admin if any of his equipment is not working. As we saw in The Admin's portal. All the updates regarding the equipment request will be shown to the gardener as well so as to maintain clear status.

```

        | <h3>Request Equipment Repair</h3>
        | <div>
        |   <table id = "users">
<tr>
|   |   <th>Equipment-ID</th>
</tr>
<tr>
|   |   <td>
|   |       <form action ="userprofile.php" method ="POST">
|   |           <input type= "text" name="equipmentid" placeholder="Enter Equipment ID"/>
|   |           <input type = "submit" name = "request" value = "Request"/>
|   |       </form>
|   |   </td>
</tr>
</table>
|   </div>
|   </div>
|   </div>
| 
| </div>

<table>
<tr>
|   <th>Request-ID</th>
|   <th>Equipment-ID</th>
|   <th>Status</th>
</tr>
<tr>
|   <td>No Request Made</td>
|   <td>Relax!</td>
|   <td>Relax!</td>
</tr>
<?php
$sql2 = "SELECT * from `equimentrequest` where gardenerid = '$var1' order by status ASC" ;
$result2= mysqli_query($db, $sql2);
if(mysqli_num_rows($result2)==0){
?>
<tr>
<td>No Request Made</td>
<td>Relax!</td>
<td>Relax!</td>
</tr>
<?php } else {
while($row2 = mysqli_fetch_assoc($result2)){
?>
<tr>
<td><?php echo $row2['erid'] ?></td>
<td><?php echo $row2['equipmentid'] ?></td>
<td><?php if($row2['status']==0) echo 'Request Pending';
else if($row2['status']==1) echo 'Approved! Work in Progress';
else if($row2['status']==2) echo 'Declined';
else if($row2['status']==3) echo 'Repaired';
?></td>
</tr>
<?php }} ?>
</table>
| 
| </div>

```

It displays the status by checking the queries from the equipment request status.

The requested request is by status 0

The approved and work in progress has status 1

The decline has its status 2

And the Repaired will be with status 3

This is also connected to the equipment table. In that table all the equipment is and status (default 1 i.e it is in working condition) is stored,

According to the requests of the equipment that table is also updated so that the admin has count clarity of equipment's status

Request Equipment Repair

Equipment-ID

Enter Equipment ID Request

Request-ID	Equipment-ID	Status
25	10	Request Pending
23	4	Approved! Work in Progress
10	30	Declined
17	12	Declined
22	3	Repaired
21	5	Repaired
20	2	Repaired
19	2	Repaired
18	45	Repaired
9	90	Repaired
8	22	Repaired

Holiday request

On clicking the request Holiday on navigation Bar the gardener will land on the request holiday page from where it can request the holiday

Request Holidays

GardenerID
3

Start Date
mm/dd/yyyy

End Date
mm/dd/yyyy

Request holiday

Request Id	Start Date	End Date	Status
1	2021-11-28	2021-11-28	denied
2	2021-11-29	2021-11-29	approved
7	2021-11-30	2021-11-30	denied
8	2021-12-03	2021-12-03	pending

starting from a particular date and ending on a particular date

Below the requesting server the gardener can also see the status of the previous requests.

First the

status will be pending and then depending on the action taken by the admin the request will be either approved or declined.

```
form action = "requestholidayserver.php" method="post">


GardenerID
    <input type="text" name = "gardenerid" class="form-control" value = 'php echo $_SESSION['gardenerid']; ?' >



Start Date
    <input type="date" name = "startdate" class="form-control" placeholder="enter date" required>



End Date
    <input type="date" name = "enddate" class="form-control" placeholder="enter date" required>


<button type = "submit" class="btn btn-outline-primary" name = "gardenerdetailsubmit">Request holiday</button>
</form>
  


| Request Id      | Start Date | End Date | Status |
|-----------------|------------|----------|--------|
| No Request Made | Relax!     | Relax!   | Relax! |


```

```
?php
include('db.php');

$gid = $_POST['gardenerid'];
$startdate = $_POST['startdate'];
$enddate = $_POST['enddate'];

$sql = "insert into holidayrequest(gardenerid, startdate, enddate) values('$gid', '$startdate', '$enddate')";

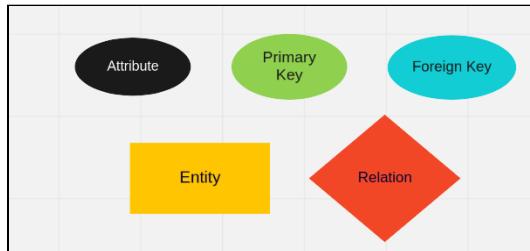
$result = mysqli_query($db,$sql);

if($result){
    echo '<script type = "text/javascript">';
    echo 'alert("Holiday Request Sent!");';
    echo 'window.location.href = "requestholiday.php"';
    echo '</script>';
} else{
    echo mysqli_error($db);
}

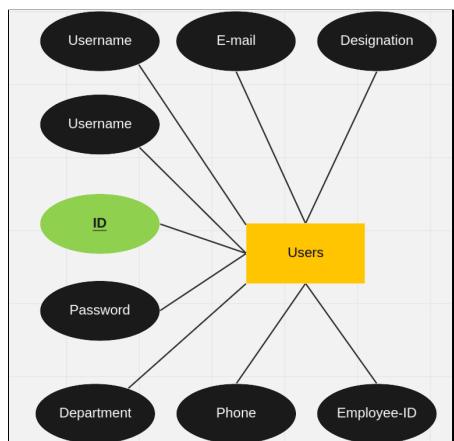
?>
```

GUEST-HOUSE SERVICES

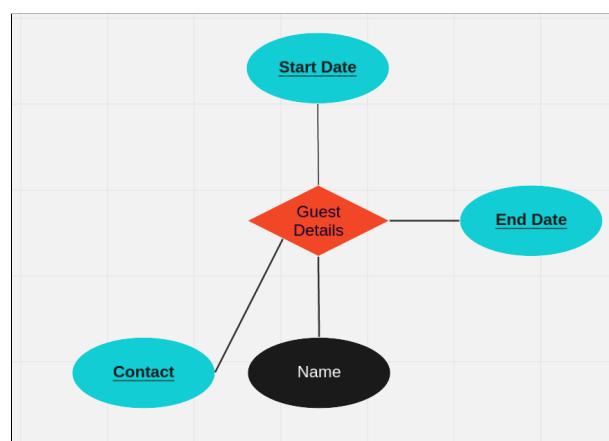
E-R Diagrams



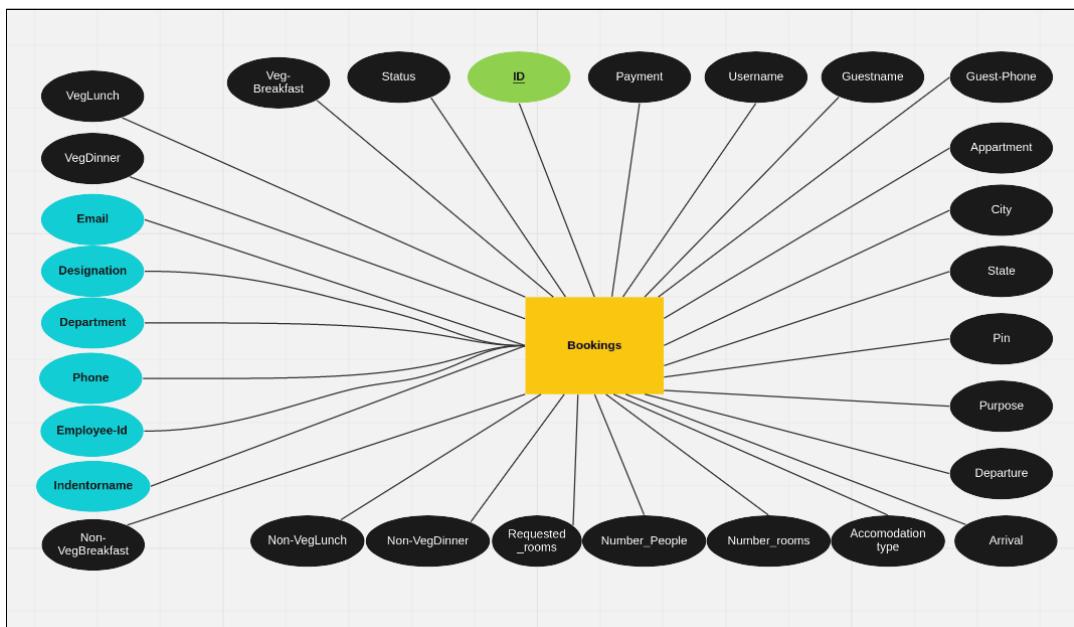
Legend



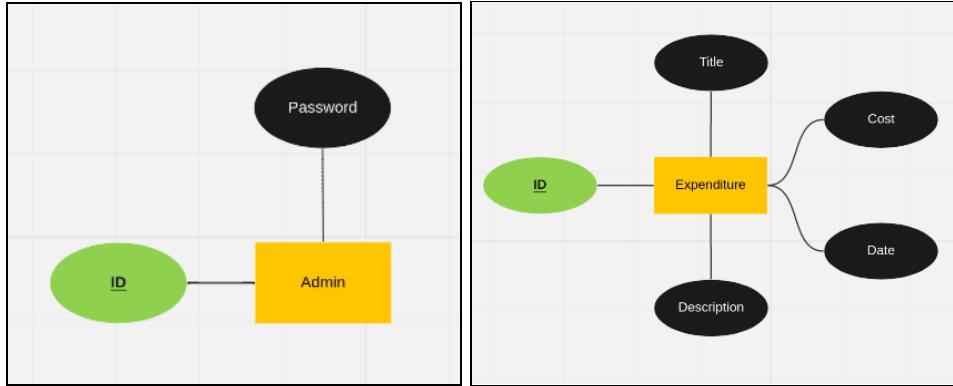
Users



Guest-Details

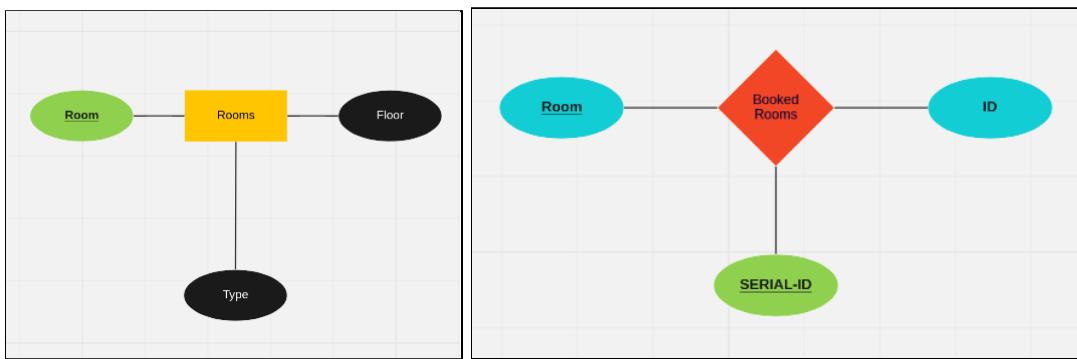


Bookings



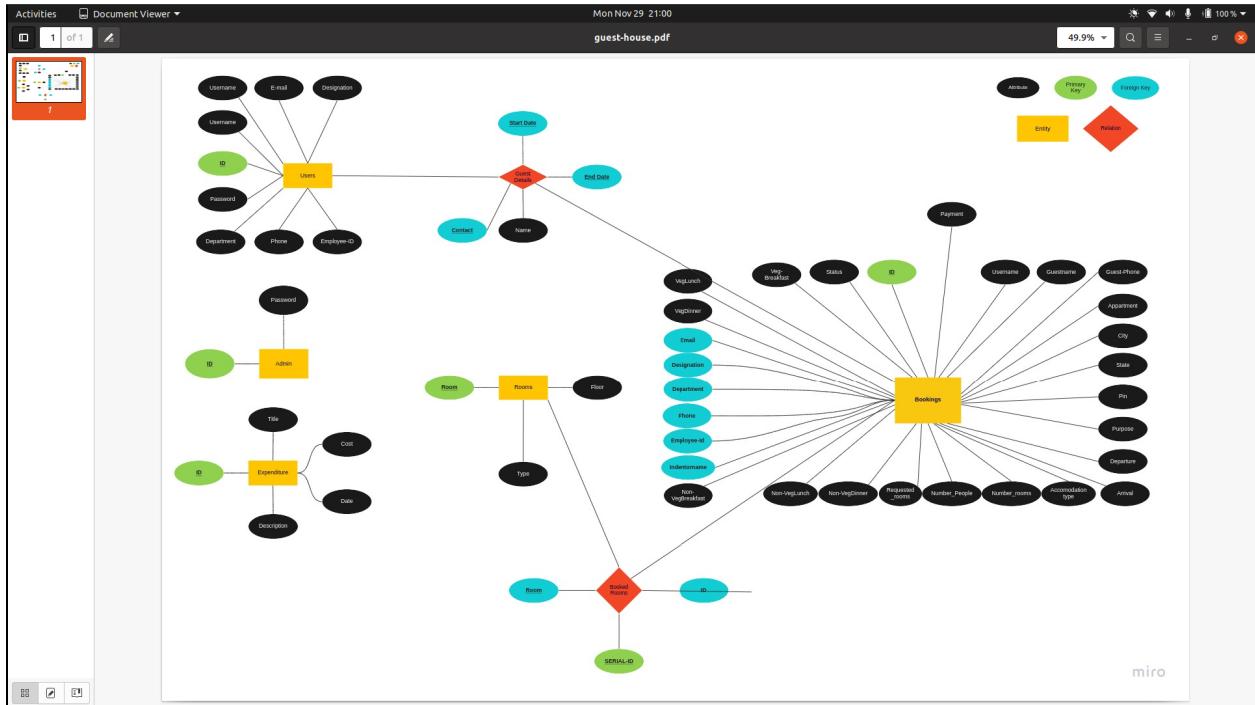
Admin

Expenditure



Rooms

Booked-Rooms



Complete ER-Diagram

Relational Schema

Our Guest-House Database Consists Of the Following Tables:

Entity 1: Admin

Attribute	Description	Type	Length
Username	Admin Side Username	Varchar	255
Password	Password to access admin login	Varchar	50

Relation1 : Booked Rooms

Attribute	Description	Type	Length
Serial	Unique Booking Id	int	11
Room	Room number which is booked	varchar	256
Type	Type of room - Deluxe or normal	varchar	256
Floor	Floor of room	varchar	256
Id	Id of user of booked the room	varchar	256
Username	Name of user who booked room	varchar	256
Guestname	Guest name who'll stay in the room	varchar	256
Indentorname	Name of indentor	varchar	256
Arrival	Arrival date and time	datetime	
Departure	Departure date and time	datetime	

Entity 2: Bookings

Attribute	Description	Type	Length
id	Id of user who requested for room	varchar	256
username	Name of user who requested for room	varchar	256
guestname	Person who'll stay in the room	varchar	256

status	Status of booking request	varchar	256
guestphone	Guest phone number	varchar	12
appartment	Guest address - apartment name	varchar	256
city	Guest address - city name	varchar	256
state	Guest address - state name	varchar	256
pin	Guest address - pin code	varchar	6
number_peopl e	Num. of people who'll stay in rooms	int	11
payment	Payment mode	varchar	256
number_rooms	Number of rooms requested	int	11
accomodation	Accomodation type - Deluxe or normal	varchar	256
arrival	Arrival date and time	datetim e	
departure	Departure date and time	datetim e	
purpose	Purpose of visit	varchar	256
vegbreakfast	No. of veg breakfast required daily	int	11
veglunch	No. of veg Lunch required daily	int	11
vegdinner	No. of veg dinner required daily	int	11
nonvegbreakf ast	No. of non- veg breakfast required daily	int	11
nonveglunch	No. of non-veg lunch required daily	int	11
nonvegdinner	No. of non-veg dinner required daily	int	11
indentorname	Name of indentore	varchar	256
employeeid	Employee id thorugh which room is booked	varchar	256
designation	Designation of employee	varchar	256
department	Department of employee	varchar	256
phone	Phone number of employee	varchar	256
email	email id of employee	varchar	256
requestedroo m	Room number requested	varchar	256

Entity 3: Expenditure

Attribute	Description	Type	Length
id	Unique expenditure id	int	11
Title	Title for expenditure	varchar	255
date	Date when This transaction took place	date	
cost	Cost incurred	int	11
Description	Description of why this cost was incurred	text	

Entity 4: Guest Details

Attribute	Description	Type	Length
Name	Name of guest residing in one of the room	varchar	255
Contact	Contact of the guest	Bigint	20
Startdate	Start date from when guest is residing	datetime	
Enddate	end date upto when guest is residing	datetime	11

Entity 5: Room

Attribute	Description	Type	Length
Room	Room number of the room	varchar	256
Type	Type of room - Deluxe or Normal	varchar	256
Floor	Floor of the room	Varchar	256

Entity 6: Users

Attribute	Description	Type	Length
id	Unique id of user	int	11
username	Unique Username of user	varchar	256
name	Name of user	varchar	256

email	Email id of user	varchar	256
designation	Designation of user	varchar	256
employeeid	Employee id of user	varchar	256
phone	Phone number of user	varchar	256
department	Department of user	varchar	256
password	Password of user (encrypted)	varchar	256

Home Page

IIT PATNA
Guest House Booking Portal

Home Contact us Login

About Us

IIT Patna is one of the new IITs established by an Act of the Indian Parliament on August 06, 2008. Patna which was known as Patalputra has been a center of knowledge since long and been attracting visitors and scholars from many parts of the world such as China, Indonesia, Japan, Korea, Sri Lanka, among others. This has been a land of legends. Some of the legends from this region include Lord Gautam Buddha, Lord Mahavir, Guru Gobind Singh, the famous astronomer Aryabhata and the first President of India, Dr. Rajendra Prasad.

IIT Patna has ten departments: These are

- Computer Science & Engineering
- Electrical Engineering
- Mechanical Engineering
- Chemical and Biochemical Engineering
- Civil & Environmental Engineering
- Materials Science & Engineering
- Chemistry
- Physics
- Mathematics
- Humanities & Social Science departments.

The following code is used to run the home page. A user can navigate to admin login, Student/ faculty/ Staff login register page from it.

```

adminhome.php           index.php
-----                   -----
$SESSION['userRole']=1;
if(isset($_POST['adminlogin'])) {
    $username = $_POST['username'];
    $password = $_POST['password'];
    //ensure fields are entered.
    if(empty($username)) {
        array_push($errors, "Username is required.");
    }
    if(empty($password)) {
        array_push($errors, "Password is required.");
    }
    if(count($errors)==0) {
        // encrypting password for security.
        $query = "SELECT * FROM admin WHERE username= '$username' AND password=' $password' ";
        $result = mysql_query($db,$query);
        $query2 = "SELECT password FROM admin WHERE username= '$username'";
        $result2 = mysql_query($db,$query2);
        $result3 = mysqli_fetch_array($result,MYSQLI_ASSOC);
        $row = $result3['password'];
        $username2 = mysql_real_escape_string($username);
        $count2 = mysqli_num_rows($result2);
        if(mysql_num_rows($result)==1) {
            //log user in
            $SESSION['username']=$username;
            $SESSION['success'] = "You are now logged in.";
        }
    }
}

```

Admin Login Page

```

adminhome.php           server.php
-----                   -----
//logging in (from admin)
if(isset($_POST['adminlogin'])) {
    $username = $_POST['username'];
    $password = $_POST['password'];
    //ensure fields are entered.
    if(empty($username)) {
        array_push($errors, "Username is required.");
    }
    if(empty($password)) {
        array_push($errors, "Password is required.");
    }
    if(count($errors)==0) {
        // encrypting password for security.
        $query = "SELECT * FROM admin WHERE username= '$username' AND password=' $password' ";
        $result = mysql_query($db,$query);
        $query2 = "SELECT password FROM admin WHERE username= '$username'";
        $result2 = mysql_query($db,$query2);
        $result3 = mysqli_fetch_array($result,MYSQLI_ASSOC);
        $row = $result3['password'];
        $username2 = mysql_real_escape_string($username);
        $count2 = mysqli_num_rows($result2);
        if(mysql_num_rows($result)==1) {
            //log user in
            $SESSION['username']=$username;
            $SESSION['success'] = "You are now logged in.";
        }
    }
}

```

The following code validates the id password of admin and help admin to log-into the adminhome

IIT PATNA
Guest House Booking Portal

Home Contact us Admin Login

Admin Login

Username

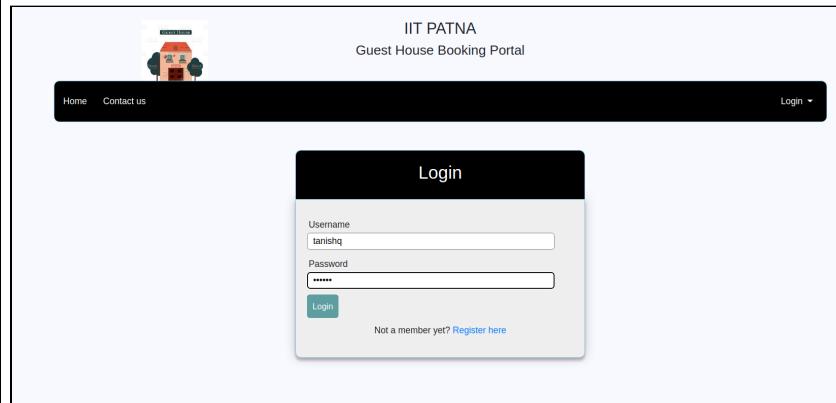
Student/Faculty/Staff Login Page

```
//Logging in (from loginpage)
if(isset($_POST['login']))
{
    $username = $_POST['username'];
    $password = $_POST['password'];
    //ensure fields are entered
    if(empty($username))
    {
        array_push($errors, "Username is required.");
    }
    if(empty($password))
    {
        array_push($errors, "Password is required.");
    }
    if(count($errors)==0)
    {
        $password= md5($password); // encrypting password for security.
        $query= "SELECT * FROM users WHERE username= '$username' AND password= '$password' ";
        $result = mysqli_query($db,$query);

        $query2 = "SELECT password FROM users WHERE username = '$username'";
        $query2 = "SELECT username FROM users WHERE password = '$password'";
        $result2 = mysqli_query($db,$query2);
        $row1 = mysqli_fetch_array($result,MYSQLI_ASSOC);
        $row2 = mysqli_fetch_array($result2,MYSQLI_ASSOC);
        $count1 = mysqli_num_rows($result);
        $count2 = mysqli_num_rows($result2);

        if(mysqli_num_rows($result)==1)
        {
            //...
            $SESSION['username']=$username;
            $SESSION['success'] = "You are now logged in.";
            header('location: homepage.php');
        }
        else
        {
            array_push($errors, "The username/password combination is incorrect.");
            if($count1==0)
            {
                array_push($errors, "The Username does not exist.");
            }
            else if ($count1==1)
            {
                array_push($errors, "Incorrect password.");
            }
        }
    }
}
```

The following code validates the id password of Non-admin users and help them to log-into the user home page.



User Register Page

```
if(isset($_POST['register']))
{
    $username = $_POST['username'];
    $name = $_POST['name'];
    $designation = $_POST['designation'];
    $email = $_POST['email'];
    $password = $_POST['password'];
    $confirmpassword = $_POST['confirmpassword'];

    //checks if new fields are filled
    if(empty($username))
    {
        $err_username="Username is required.";
    }
    if(empty($name))
    {
        $err_name="Name is required.";
    }
    if(empty($email))
    {
        $err_email="Email is required.";
    }
    if(empty($designation))
    {
        $err_designation="Designation is required.";
    }
    if(empty($password))
    {
        $err_password="Password is required.";
    }
    if(empty($confirmpassword))
    {
        $err_confirmpassword="Please enter your password again.";
    }

    //checks if both passwords match
    if($password != $confirmpassword)
    {
        $err_password="The two passwords do not match!";
    }

    //checks if all fields are filled, registration will be complete
    if(empty($username) || empty($name) || empty($email) || empty($password) || empty($confirmpassword))
    {
        $err_all="All fields are required, registration will be incomplete";
    }

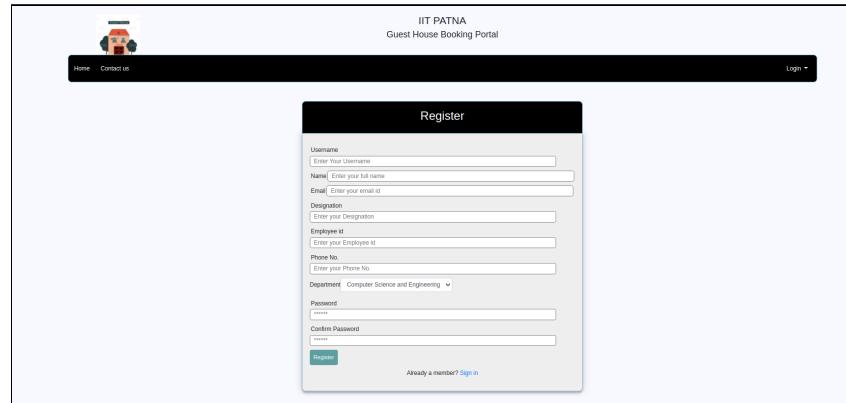
    $query = "SELECT * FROM users WHERE email = '$email'";
    $result = mysqli_query($db,$query);
    $row = mysqli_fetch_array($result,MYSQLI_ASSOC);
    $count = mysqli_num_rows($result);
    $exist = $row['username'];

    if($exist)
    {
        $err_email="The email id is already registered.";
    }
    else
    {
        $sql = "INSERT INTO users (username,email,designation,employeeid,phone,designation,password) VALUES ('$username','$email','$designation','$employeeid','$phone','$designation','$password')";

        if(mysqli_query($db,$sql))
        {
            $SESSION['success'] = "You are now logged in.";
            header('location: homepage.php');
        }
        else
        {
            if($err_email)
            {
                $err_email="The email id is already registered.";
            }
            if($err_all)
            {
                $err_all="All fields are required.";
            }
            array_push($errors, "The username already exists.");
            header('location: register.php?errors=');
        }
    }
}

//registering as Admin Employee
if(isset($_POST['register']))
{
    $username = $_POST['username'];
    $name = $_POST['name'];
    $designation = $_POST['designation'];
}
```

The following code validates the id password of Non-admin users and help them to log-into the user home page.



Admin Home Page With Calendar and reminders

IIT PATNA
Guest House Booking Portal

November 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4

Room Booking Requests

ACCEPTED Pending Rejected

IIT PATNA
Guest House Booking Portal

Accepted Pending Rejected

S.No.	Indenter Name	Guest Name	Guest Number	Rooms Requested	Arrival	Departure	Change Status
1	Tarney Maka	Prahlal	1122334455	R-112	2021-11-16 17:45:00	2021-11-17 17:45:00	<button>Cancel</button>
2	Tarney Maka	Sapna Maka	9896449021	R-122,R-123	2021-11-30 17:45:00	2021-12-01 17:45:00	<button>Cancel</button>
3	Tarney Maka	Terush	9781557100	R-111	2021-12-21 00:00:00	2021-12-29 00:00:00	<button>Cancel</button>

IIT PATNA
Guest House Booking Portal

Accepted Pending Rejected

S.No.	Indenter Name	Guest Name	Guest Number	Rooms Requested	Arrival	Departure	Change Status
1	Sapay Maka	Prahlal	336514422	R-212,R-213	2021-11-30 00:00:00	2021-12-01 00:00:00	<button>Approve</button> <button>Reject</button>
2	Tarney Maka	Yashash Chokshi	1234564321	R-211	2021-12-11 00:00:00	2021-12-11 00:00:00	<button>Approve</button> <button>Reject</button>

Rejected

IIT PATNA
Guest House Booking Portal

Accepted Pending Rejected

S.No.	Indenter Name	Guest Name	Guest Number	Rooms Requested	Arrival	Departure	Change Status	Delete Request
1	Sapay Maka	Prahlal	1122334455	R-212,R-213	2021-11-30 00:00:00	2021-12-01 00:00:00	<button>Approve</button> <button>Delete</button>	
2	Tarney Maka	Yashash Chokshi	1234564321	R-211	2021-12-11 00:00:00	2021-12-11 00:00:00	<button>Approve</button> <button>Delete</button>	

Successfully updated.

The following sql-php code validates status of room booking and displays the result as per the badge select from the above three.

```

// Start the session
require_once('../server.php');
require_once('../templates/navbar.php');

// Connect to Database
$cdbc = mysqli_connect(DB_HOST, DB_USER, DB_PASSWORD, DB_NAME);
if (!$cdbc) {
    die("Connection failed: " . mysqli_connect_error());
}

// Fetch id
$id = $_GET['id'];

$query = "SELECT * FROM bookings WHERE id='$id'";
$data = mysqli_query($cdbc, $query);

if ($data) {
    die("QUERY FAILED ".mysqli_error($cdbc));
}

if(mysqli_num_rows($data) == "1"){
    $row = mysqli_fetch_assoc($data);
    $username = $row["username"];
    $guestname = $row["guestname"];
    $guestphone = $row["guestphone"];
    $status = $row["status"];
}



### Room Booking Details



Guest Information:



ID: #ID#



Username: #username#



Guest Name: #guestname#



Guest Phone: #guestphone#



Status:



#status#


```

Room Bookings & Availability in Given time range

The screenshot shows a web application interface for room bookings. At the top, there's a logo and the text "IIT PATNA Guest House Booking Portal". Below the header, a navigation bar includes links for Home, Room Requests, All Bookings, Room Status & Availability, Monthly Cost, Staff Duty, and Admin. A date range selector shows "30/11/2021" to "03/12/2021" with a "Check" button. The main content area is titled "ROOMS" and displays a grid of room status indicators. Below the grid, a legend indicates: Selected (green dot), Booked (red dot), Normal (blue dot), and Deuse (grey dot). To the left of the grid, there's a large block of PHP source code for generating the room availability matrix.

```

<?php
require_once('../server.php');
require_once('adminhome.php');
?>

<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Show Rooms</title>
<link rel="stylesheet" type="text/css" href="../css/matrix.css">
<script type="text/javascript" language="javascript">
function checkThis(oCheckbox, limit)
{
    limit=0;
    var el, i = 0, n = limit, oForm = oCheckbox.form;
    while (el = oForm.elements[i++])
    {
        if (el.className == 'single-checkbox' && el.checked)
        --n;
        if (n < 0)
        {
            alert('Editing/Viewing is not enabled yet.');
            return false;
        }
    }
    return true;
}</script>

```

The following sql-php-Javascript code validates status of room bookings and displays the result in the form of a matrix displaying available and booked rooms.

Room Add and Delete

```

if (isset($_POST['add'])) {
    // code...
    $number = $_POST['number'];
    $type = $_POST['type'];
    $floor = $_POST['floor'];
    $query = "INSERT INTO rooms (room,type,floor) VALUES ('$number','$type','$floor')";
    $update_status = mysqli_query($dbc, $query);
    // var_dump($update_status);
    if(!$update_status){
        echo '<div class="container"><div class="alert alert-warning alert-dismissible fade show" role="alert">' .
        'Failed to update. Please try again.' . '<button type="button" class="close" data-dismiss="alert" aria-label="Close">' .
        '<span aria-hidden="true">&times;</span></button></div></div>';
        die("QUERY FAILED ".mysqli_error($dbc));
    } else {
        echo '<div class="container"><div class="alert alert-success alert-dismissible fade show" role="alert">' .
        'Successfully Updated.<button type="button" class="close" data-dismiss="alert" aria-label="Close">' .
        '<span aria-hidden="true">&times;</span></button></div></div>';
    }
    $activeTab = "#3";
}

```

Add rooms

Room Number	Room Type	Room Floor Number	Submit
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Submit"/>

```

if(isset($_POST['delete'])){
    //connect to database

    $dbc= mysqli_connect(DB_HOST, DB_USER, DB_PASSWORD, DB_NAME);
    if (!$dbc) {
        die("Connection failed: " . mysqli_connect_error());
    }

    $serial = mysqli_real_escape_string($dbc, trim($_GET['serial']));

    $update_status_query = "DELETE FROM rooms WHERE serial='$serial'";
    $update_status = mysqli_query($dbc, $update_status_query);
    if(!$update_status){
        echo '

Failed to update. Please try again.' . '<button type="button" class="close" data-dismiss="alert" aria-hidden="true">&times;</span></button></div></div>';
        die("QUERY FAILED ".mysqli_error($dbc));
    } else {
        echo '

Successfully Updated.<button type="button" class="close" data-dismiss="alert" aria-label="Close">
            <span aria-hidden="true">&times;</span></button></div></div>';
    }
    $activeTab = "3";
}
?>


```

Delete rooms

Delete rooms				
	Booked	Empty	All Rooms	Add Rooms
S.No.	Room Number	Room Type	Room Floor Number	Delete
1	R-101	Deluxe	1	<button type="button">Delete</button>
2	R-102	Normal	1	<button type="button">Delete</button>
3	R-103	Normal	1	<button type="button">Delete</button>
4	R-111	Deluxe	1	<button type="button">Delete</button>

Room Status with user details

```

<?php
if(isset($_GET['checkin'])) {
    $to_date= $_GET['to_date'];
    $from_date= $_GET['from_date'];
    $date = date('Y-m-d');
}







$dbc= mysqli_connect(DB_HOST, DB_USER, DB_PASSWORD, DB_NAME);
if(!$dbc) {
    die("Connection failed: " . mysqli_connect_error());
}

$query = "SELECT room FROM bookerooms WHERE arrival=>$from_date AND departure=<$to_date OR arrival=<$to_date AND departure=>$from_date OR arrival=<$from_date AND departure=>$to_date";
$result = mysqli_query($dbc, $query);

$booked = mysqli_num_rows($result);
$empty = $all_rooms - $booked;
$all_rooms = mysqli_num_rows(mysqli_query($dbc, "SELECT * FROM rooms"));

if(mysqli_num_rows($result) == 0){
    echo "No bookings found between $from_date and $to_date";
} else {
    echo "Total bookings found: $booked | Total empty rooms: $empty | Total rooms: $all_rooms";
}

?>

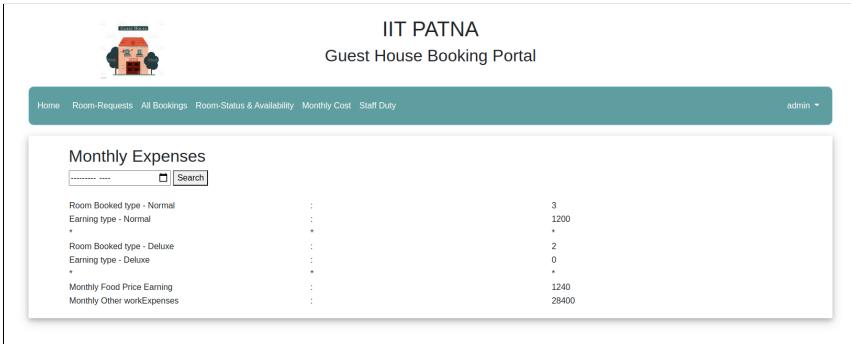
```

The following sql-php code gives detailed report/status of room bookings along with user details.

Room Status with user details								
Check-In Date:		Check-Out Date:		Room Status				
\$from_date		\$to_date		Booked: \$booked Empty: \$empty All Rooms: \$all_rooms Add Room: \$add_room				
\$from_date		\$to_date		Booked: \$booked	Empty: \$empty	All Rooms: \$all_rooms	Add Room: \$add_room	

(P.T.O)

Monthly Cost Incurred



The screenshot shows a web application titled "IIT PATNA Guest House Booking Portal". The main menu includes Home, Room-Requests, All Bookings, Room-Status & Availability, Monthly Cost, Staff Duty, and a user account dropdown for "admin". The current page is "Monthly Expenses", which displays a table of room types and their monthly costs:

Room Booked type - Normal	Earning type - Normal	3
*	*	1200
Room Booked type - Deluxe	Earning type - Deluxe	2
*	*	0
Monthly Food Price Earning		1240
Monthly Other workExpenses		28400

```
month = date('m',time());
$year = date('Y', time());
if(isset($_POST['submitMonth'])) {
$pickMonth = $_POST['pickMonth'];

$month = date('m', strtotime($pickMonth));
$year = date('Y', strtotime($pickMonth));
}

$monthlyFoodPrice = 0;
$bookingsDetailNormal = "SELECT * FROM bookings WHERE (EXTRACT(MONTH FROM arrival)=$month OR EXTRACT(MONTH FROM departure)=$month) AND (EXTRACT(YEAR FROM arrival)=$year OR EXTRACT(YEAR FROM departure)=$year)";
$res = mysql_query($db,$bookingsDetailNormal);

$monthNormal = 0;
$costNormal = 0;
while($row = mysql_fetch_array($res)){
    $monthlyFoodPrice += ($row['vegbreakfast'])*30;
    $monthlyFoodPrice += ($row['nonvegbreakfast'])*40;
    $monthlyFoodPrice += ($row['veglunch'])*30;
    $monthlyFoodPrice += ($row['nonveglunch'])*40;
    $monthlyFoodPrice += ($row['veginner'])*60;
    $monthlyFoodPrice += ($row['nonveginner'])*60;
    $monthlyFoodPrice += ($row['number_rooms']);
    $costNormal += 250;
}

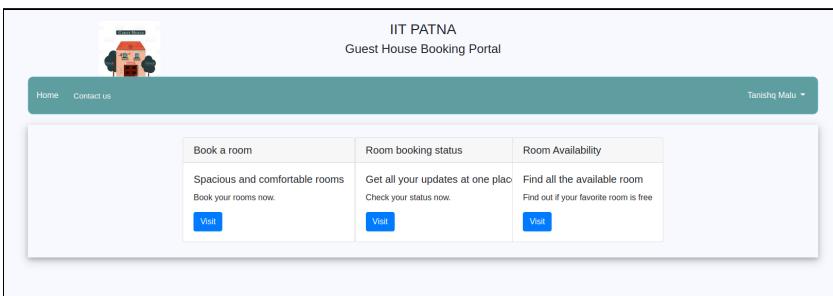
$monthMaster = 0;
$costMaster = 0;
$bookingsDetailMaster = "SELECT * FROM bookings WHERE (EXTRACT(MONTH FROM arrival)=$month OR EXTRACT(MONTH FROM departure)=$month) AND (EXTRACT(YEAR FROM arrival)=$year OR EXTRACT(YEAR FROM departure)=$year)";
$res = mysql_query($db,$bookingsDetailMaster);
while($row = mysql_fetch_array($res)){
    $monthlyFoodPrice += ($row['vegbreakfast'])*30;
    $monthlyFoodPrice += ($row['nonvegbreakfast'])*40;
    $monthlyFoodPrice += ($row['veglunch'])*50;
    $monthlyFoodPrice += ($row['nonveglunch'])*60;
    $monthlyFoodPrice += ($row['veginner'])*80;
    $monthlyFoodPrice += ($row['nonveginner'])*80;
    $costMaster += $row['number_rooms'];
}
$costNormal += 350;

$expenses = 0;
$expensesQuery = "SELECT * FROM expenditure WHERE (EXTRACT(MONTH FROM date)=$month) AND (EXTRACT(YEAR FROM date)=$year) ";
$res = mysql_query($db,$expensesQuery);
while($row = mysql_fetch_array($res)){
    $expenses += $row['cost'];
}

SELECT * FROM expenditure WHERE (EXTRACT(MONTH FROM date)=$month) AND (EXTRACT(YEAR FROM date)=$year) ";
$res = mysql_query($db,$expensesQuery);
while($row = mysql_fetch_array($res)){
    $expenses += $row['cost'];
}
```

The following sql-php calculates the monthly expenses of the guest house and returns the sum of all the room cost of normal and deluxe rooms plus food expenses plus other misc. charges.

Staff/faculty/Student Home page



The screenshot shows the "IIT PATNA Guest House Booking Portal" home page. It features a header with the portal logo and title, and a navigation bar with "Home" and "Contact us". Below the header is a search bar with the placeholder "Tanihq Malu". The main content area contains three cards:

- Book a room:** Spacious and comfortable rooms. Book your rooms now. [Visit](#)
- Room booking status:** Get all your updates at one place. Check your status now. [Visit](#)
- Room Availability:** Find all the available room. Find out if your favorite room is free. [Visit](#)

dummy)

Any User can Book a room, Check its booking status and check room availability. He can also view his bill from room status and pay it (pay button is dummy).

Room Booking Form

<div style="background-color: #008000; color: white; padding: 5px; text-align: center;">GUEST INFORMATION</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Yashavi Ghadale</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">1234564321</div> <div style="background-color: #008000; color: white; padding: 5px; text-align: center;">GUEST ADDRESS</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Paras city</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Bhopal</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">MP</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">462032</div> <div style="background-color: #008000; color: white; padding: 5px; text-align: center;">INDENTOR INFORMATION</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">2</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Tanmay Malu</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">hod</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Computer Science and Engineering</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">9565610206</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">tanmay.malu@gmail.com</div>	<div style="background-color: #008000; color: white; padding: 5px; text-align: center;">ROOM DETAILS</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">2</div> <div style="background-color: #008000; color: white; padding: 5px; text-align: center;">Fill Details</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Yashavi Ghadale</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Aryan Ghadale</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Payment: On Arrival</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Number of Rooms: 1</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Accommodation Type: Deluxe</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Date & Time of arrival : 11/12/2021, 00:09</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Date & Time of departure : 11/12/2021, 00:09</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Purpose of visit: Meeting</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">Numbers of food Type:</div> <div style="margin-left: 20px;">• Veg: <input type="text" value="2"/> <input type="text" value="2"/> <input type="text" value="2"/></div> <div style="margin-left: 20px;">• Non-Veg: <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/></div>
--	--

```

if(isset($_REQUEST['guest_name'])){
    $guest_name=$_REQUEST['guest_name'];
    $phone_number=$_REQUEST['phone_number'];
    $appartment_number=$_REQUEST['appartment'];
    $city=$_REQUEST['city'];
    $state=$_REQUEST['state'];
    $pin=$_REQUEST['pin'];
    $employee_id=$_REQUEST['employee_id'];
    $indentorname=$_REQUEST['indentorname'];
    $designation=$_REQUEST['designation'];
    $department=$_REQUEST['department'];
    $phone=$_REQUEST['phone'];
    $email=$_REQUEST['email'];
    $room_number_people=$_REQUEST['number_people'];

    $room_payment=$_REQUEST['payment'];
    $room_number_rooms=$_REQUEST['number_rooms'];
    $room_accommodation=$_REQUEST['accommodation'];
    $room_arrival=$_REQUEST['arrival'];
    $room_departure=$_REQUEST['departure'];
    $room_purpose=$_REQUEST['purpose'];
    $room_veg_breakfast=$_REQUEST['veg_breakfast'];
    $room_veg_lunch=$_REQUEST['veg_lunch'];
    $room_veg_dinner=$_REQUEST['veg_dinner'];
    $room_nonveg_breakfast=$_REQUEST['nonveg_breakfast'];
    $room_nonveg_lunch=$_REQUEST['nonveg_lunch'];
    $room_nonveg_dinner=$_REQUEST['nonveg_dinner'];

    $random_id = bin2hex(random_bytes(8));
    $_SESSION['id']=$random_id;

    $sql= "INSERT INTO bookings (id,username,guestname,guestphone,appartment,city,state,pin,employeeid,indentorname,designation,department,phone,email,number_people,payment,number_rooms,accommodation,arrival,dep";
    $sql.= "($random_id','$username','$guest_name','$phone_number','$appartment_number','$city','$state','$pin','$employee_id','$indentorname','$designation','$department','$phone','$email','$room_number_people','$room_payment','$room_number_rooms','$room_accommodation','$room_arrival','$room_departure','$room_purpose','$room_veg_breakfast','$room_veg_lunch','$room_veg_dinner','$room_nonveg_breakfast','$room_nonveg_lunch','$room_nonveg_dinner')";
    if(mysqli_query($dbc,$sql)){
        throw new Exception(mysqli_error($dbc));
    }else{
        // redirect to homepage
        $_SESSION['username']=$username;
        $_SESSION['email']=$email;
        $_SESSION['id']=$random_id;
        $_SESSION['success'] = "You are now logged in.";
    }
}

// heading to choose room.php
header('location: choseroom.php');

```

LF UTF-8 PHP GitHub Git (0)

The following code validates the entries and help user book a room. It also inputs names of all the members who would stay and store the details in guest-details. Once the user sends a booking request he is prompted to room choosing page. If no room is available he will be automatically sent back.

Choose Room after booking request

The screenshot shows a web page titled "IIT PATNA Guest House Booking Portal". At the top, there is a logo of a house with trees. Below the logo, the title is displayed. A navigation bar at the top includes links for "Home" and "Contact us" on the left, and "Sanjay Malu" with a dropdown arrow on the right. The main content area has a heading "Please select your rooms." followed by a grid of room numbers. The grid contains four rows of room numbers: R-101, R-102, R-103; R-111, Booked, R-113; R-121, Booked, Booked; R-131, R-132, R-133. The second row contains: R-201, R-202, R-203; R-211, R-212, R-213; R-221, R-222, R-223; R-231, R-232, R-233. Below the grid is a "Submit" button and a legend: "Selected" (yellow circle), "Booked" (red circle), "Normal" (teal circle), and "Deluxe" (black circle).

```
<?php

if(empty($_SESSION['username'])) {
    header('location: login.php');
}

require_once('server.php');
$id=$_SESSION['id'];
$email=$_SESSION['email'];
if (isset($_POST['roomschosen'])){
    if(!empty($_POST['check_list'])){
        // Loop to store and display values of individual checked checkbox.

        foreach($_POST['check_list'] as $selected){
            if(!isset($s))
                $s=$selected;
            else {
                $s=$s.", ".$selected;
            }
        }
        $dbc= mysqli_connect(DB_HOST, DB_USER, DB_PASSWORD, DB_NAME);
        if (!$dbc) {
            die("Connection failed: " . mysqli_connect_error());
        }

        $update_status_query = "UPDATE bookings SET requestedrooms='$s' WHERE id='$id'";
        $update_status = mysqli_query($dbc, $update_status_query);
    }
    header("location: homepage.php");
}

?>
```

The page shows all the current bookings within that time range and helps user book their room as per the current condition. The user cannot book room (Normal or Deluxe) other than the one chosen in the booking form also he can book only that much number of rooms which he wrote in the booking form.

Room booking Status

The screenshot shows a web page titled "IIT PATNA Guest House Booking Portal". At the top, there is a logo of a house with trees. Below the logo, the title is displayed. A navigation bar at the top includes links for "Home" and "Contact us" on the left, and "Tanishq Malu" with a dropdown arrow on the right. The main content area displays a table with the following data:

S.No.	Username	Guest Name	Guest Number	Status	BILL
1	tanishq	Tarusi	9781337500	accepted	BILL

The page shows all the current bookings status whether approved or rejected by admin. If approved, one can view the bill of that room as well.

Room Bill Page

```
<?php
    include('server.php');
    include('templates/navbar.php');
    if(empty($_SESSION['username'])) {
        header('location: login.php');
    }
    $id = null;
    if(isset($_GET['id'])){
        $id = $_GET['id'];
    }
    $username = $_SESSION['username'];
    $sql = "SELECT * FROM bookings WHERE id='$id'";
    $result = mysqli_query($db, $sql);
    $row = mysqli_fetch_assoc($result);
    $days = (strtotime($row['departure']) - strtotime($row['arrival'])) / (60*60*24);
    // echo $days;
    $vegprice = 40;
    $nonvegprice = 50;
    $breakfastvegPrice = $row['vegbreakfast']*$days*($vegprice);
    $lunchvegPrice = $row['veglunch']*$days*($vegprice);
    $dinnervegPrice = $row['vegdinner']*$days*($vegprice);
    $breakfastnonPrice = $row['nonvegbreakfast']*$days*($nonvegprice);
    $lunchnonnonPrice = $row['nonveglunch']*$days*($nonvegprice);
    $dinnernonPrice = $row['nonvegdinner']*$days*($nonvegprice);
    $roomPrice;
    if($row['accomodation'] == "Normal"){
        $roomPrice = 250*$row['number_rooms'];
    }
    else{
        $roomPrice = 350*$row['number_rooms'];
    }
    // echo $breakfastvegPrice;
```

The page shows the bill of the user. This includes room rent plus food rent. It has a payment button (dummy) through which user can pay the bill.



IIT PATNA

Guest House Booking Portal

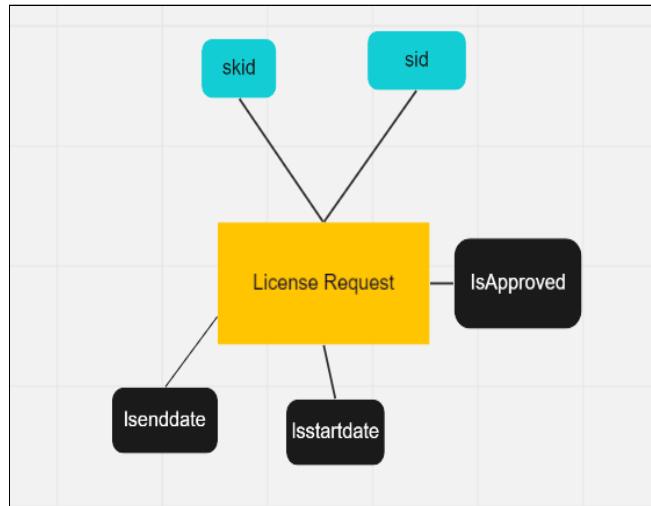
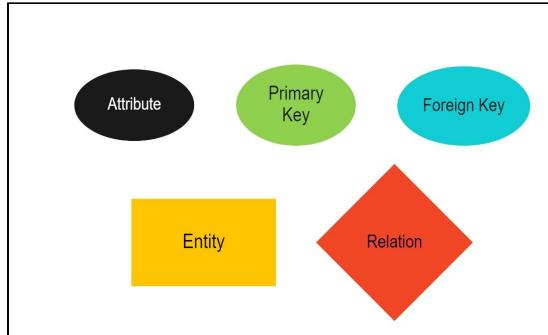
[Home](#)
[Contact us](#)
[Logout](#)

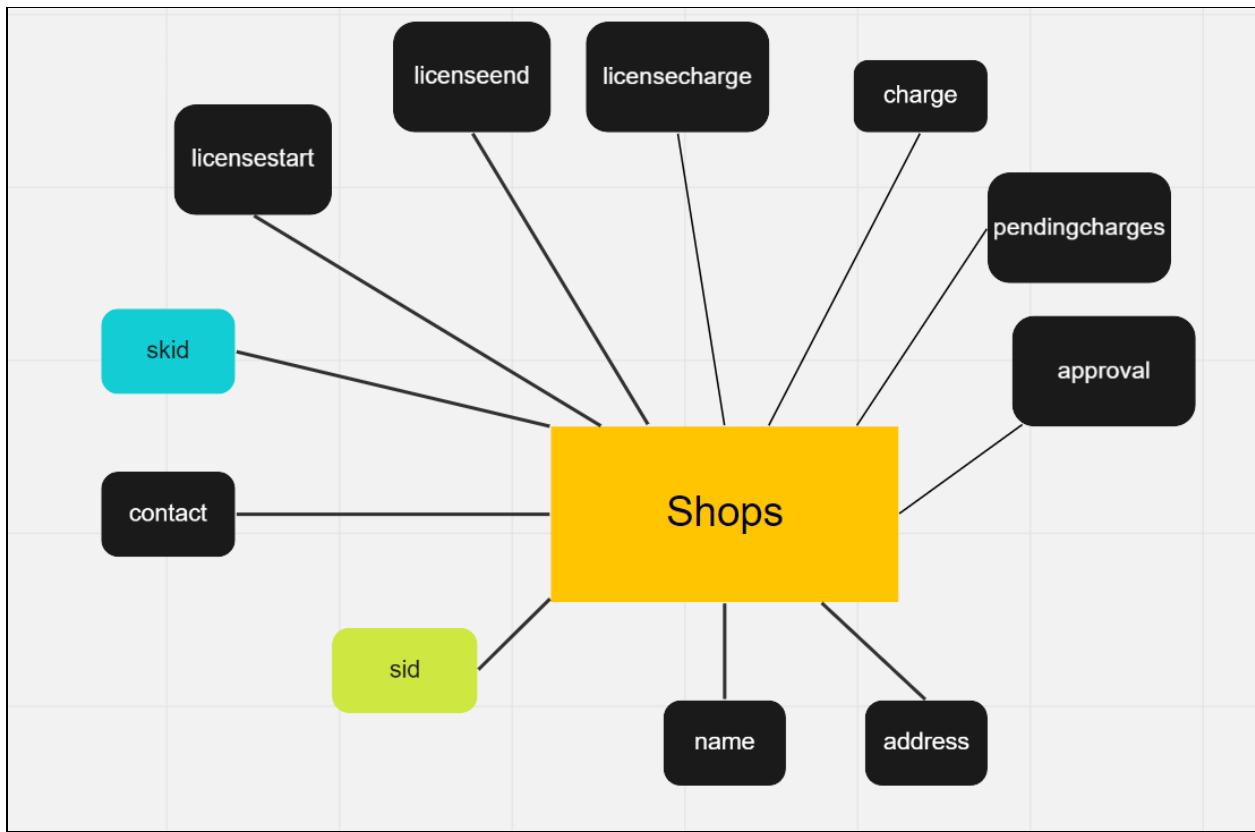
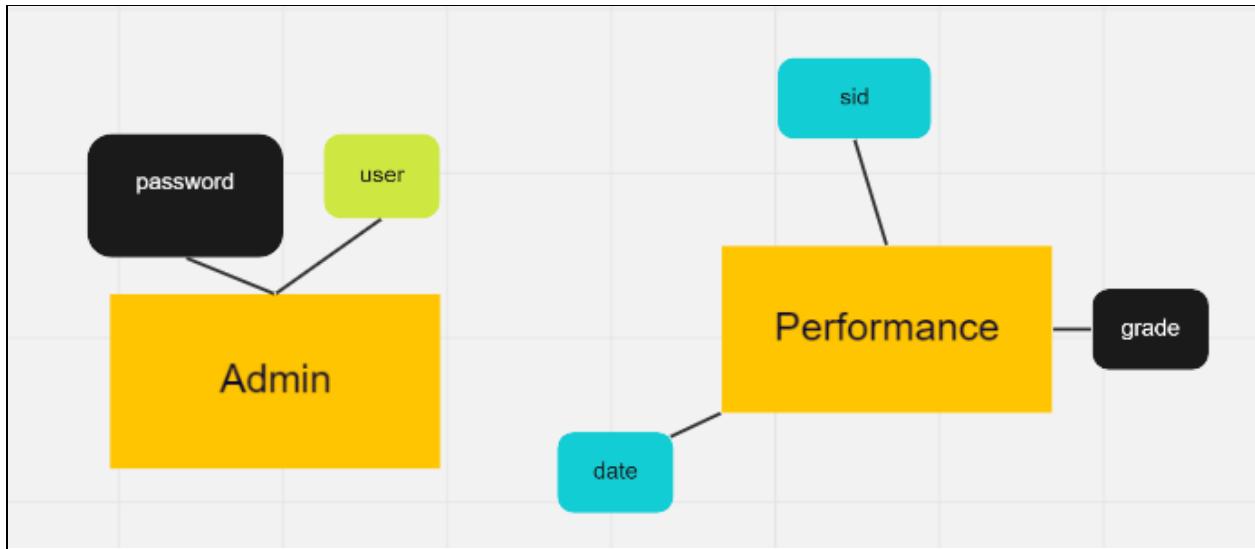
Item	quantity	price
veg Breakfast	2	80
veg lunch	2	80
veg Dinner	2	80
nonveg Breakfast	2	100
nonveg lunch	2	100
nonveg Dinner	2	100
Room Charges	2	250
	Total	790

[Pay](#)

Market shop management

E-R Diagram





Relational Schema

Our Market shops Database Consists Of the Following Tables:

Entity 1: Admin

Attribute	Description	Type	Length
Username	Admin Side Username	Varchar	100
Password	Password to access admin login	Varchar	100

Entity 2: licenserequest

Attribute	Description	Type	Length
skid	shopkeeper ID asking for license	Int	11
sid	shop ID for shop	Int	11
IsApproved	Shows status of approval for shop	Varchar	20
lsdate	Start date of license	date	
ledate	End date of license	date	

Entity 3: performance

Attribute	Description	Type	Length
sid	shop ID for shop	Int	11
dated	Date on which grade was given	date	
grade	Grade on scale of 1-10 for the shop	Int	11

Entity 4: shop

Attribute	Description	Type	Length
skid	shopkeeper ID asking for license	Int	11
sid	shop ID for shop	Int	11
sname	Shop name	Varchar	20
address	address of the shop	varchar	100
contact	contact number of the shop	big int	20

licensestart	license start date of shop	date	
licenseend	license end date of shop	date	
licensecharge	charge for license	int	11
charges	Other charges	int	11
pendingcharges	total charges to be paid	int	11
approval	Approval status of shop (pending, approved, denied)	varchar	20

Entity 5: shopkeeper

Attribute	Description	Type	Length
skid	shopkeeper ID asking for license	Int	11
skname	Shop name	Varchar	20
gender	gender of shopkeeper M/F	varchar	20
address	residential address of shopkeeper	varchar	100
contact	contact no of shopkeeper	bigint	20
dob	date of birth of shopkeeper	date	
password	password for shopkeeper to login	varchar	100

Some screenshots

Admin main page :

(P.T.O)

Shop Approval

Approve or deny users request for shop

[Visit](#)

Shop Charges

Supervise license expiry date

[Visit](#)

Performance

Give ratings to shops out of 10

[Visit](#)

Shop Lists

Areawise List of all shops

[Visit](#)

Update Shop Charges

Change category wise changes for a particular shop.

[Visit](#)

Profile Page :

User profile

Logout

Full Name: jenish mon

Gender: M

Address: varachha, surat

Phone: 7285056295

Date of Birth: 2002-09-09

Update **License Request**

jenish juice shop
Current Rating: 75.0000

jenish snacks
Current Rating: 65.0000

Status

Shop- Id	Shop Name	Address	Status	License Start	License End	Pending Charges
6	jenish juice shop	Block-7, near nescafe, IIT Patna	approved	2021-11-04	2021-11-18	100
7	jenish snacks	CV Raman gate	pending	-	-	0

Type here to search

15°C Clear 10:28:49 PM 11/29/2021

jenish juice shop
Current Rating: 75.0000

jenish snacks
Current Rating: 65.0000

Status

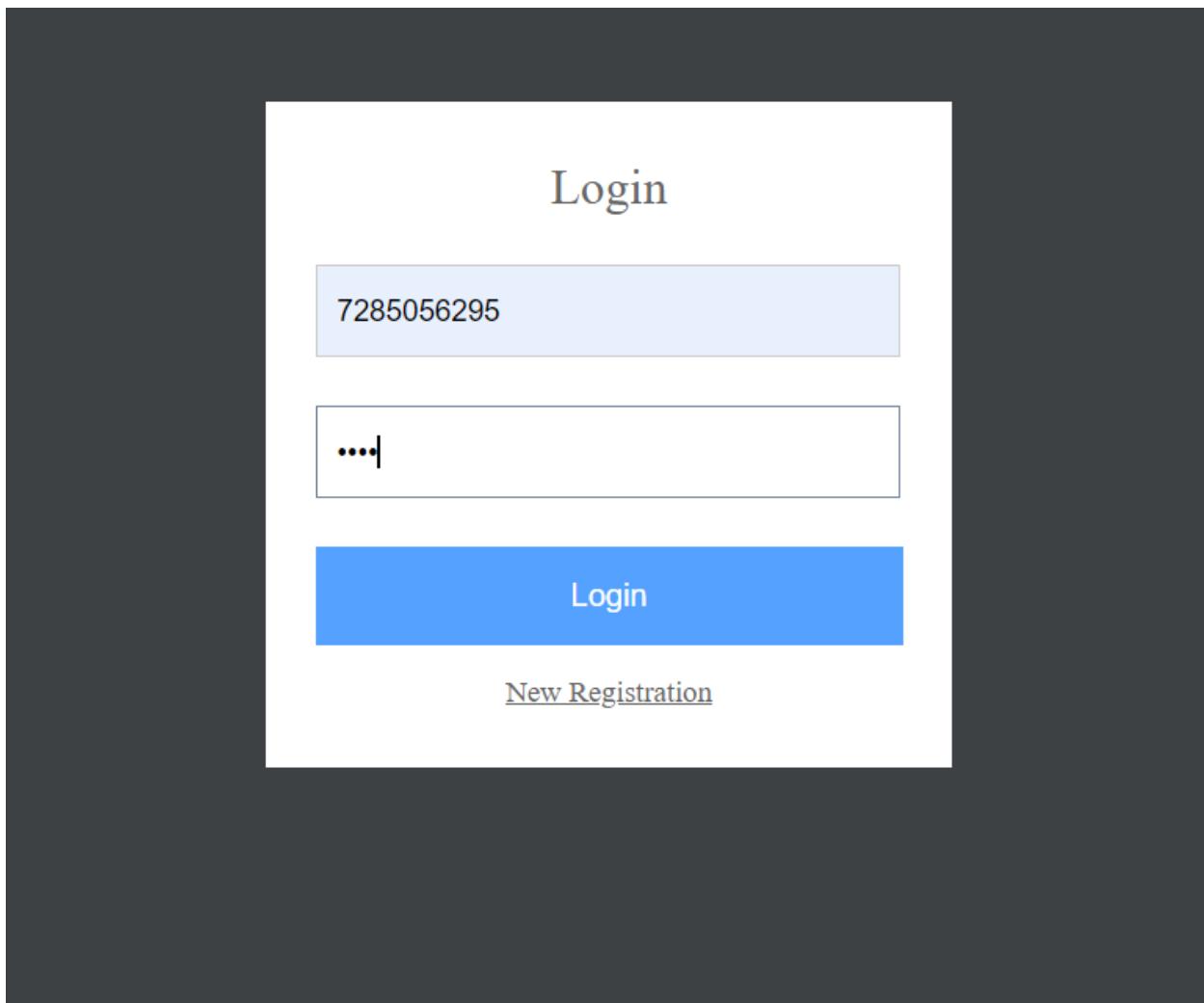
Shop- Id	Shop Name	Address	Status	License Start	License End	Pending Charges
6	jenish juice shop	Block-7, near nescafe, IIT Patna	approved	2021-11-04	2021-11-18	100
7	jenish snacks	CV Raman gate	pending	-	-	0

License Expiry Alert

(Expiring within 7 days)

Shop- Id	Shop Name	Address	License End
6	jenish juice shop	Block-7, near nescafe, IIT Patna	2021-11-18

Login Page :



Functionalities

1. License request generation

Shop keepers can login to their profile page and generate/renew shop license from there itself.

Enter the Details

Shopkeeper ID

Enter Shopkeeper ID

Shop ID

Enter Shop ID

Request license

```
$skid = $_POST['skid'];
$sid = $_POST['sid'];
$sql = "insert into licenserequest(skid,sid,isApproved) values('$skid', '$sid', 'pending')";
$result = mysqli_query($db,$sql);
```

2. User details update

Shopkeepers can update their details from profile page itself.

Update Profile



jenish mon

Shopkeeper ID
14

Full Name

jenish mon

Gender

M

Address

varachha, surat

Phone

7285056295

Date Of Birth

09/09/2002



Save Changes

```
if (isset($_REQUEST['submit'])) {
    $skname = $_REQUEST['skname'];
    $gender = $_REQUEST['gender'];
    $address = $_REQUEST['address'];
    $contact = $_REQUEST['contact'];
    $dob = $_REQUEST['dob'];

    $query1 = "Update shopkeeper SET skname = '$skname', gender = '$gender',
    address='$address', contact = '$contact', dob='$dob' WHERE skid='$skid'";
    $result1 = mysqli_query($db, $query1);
```

3. License expiration reminder

Shopkeepers get notified about pending license if license has ended or is about to end in 7 days. Also all the shops within shopkeeper's license are visible to him/her.

Status

Shop-Id	Shop Name	Address	Status	License Start	License End	Pending Charges
6	jenish juice shop	Block-7, near nescafe, IIT Patna	approved	2021-11-04	2021-11-18	100
7	jenish snacks	CV Raman gate	pending	-	-	0

License Expiry Alert

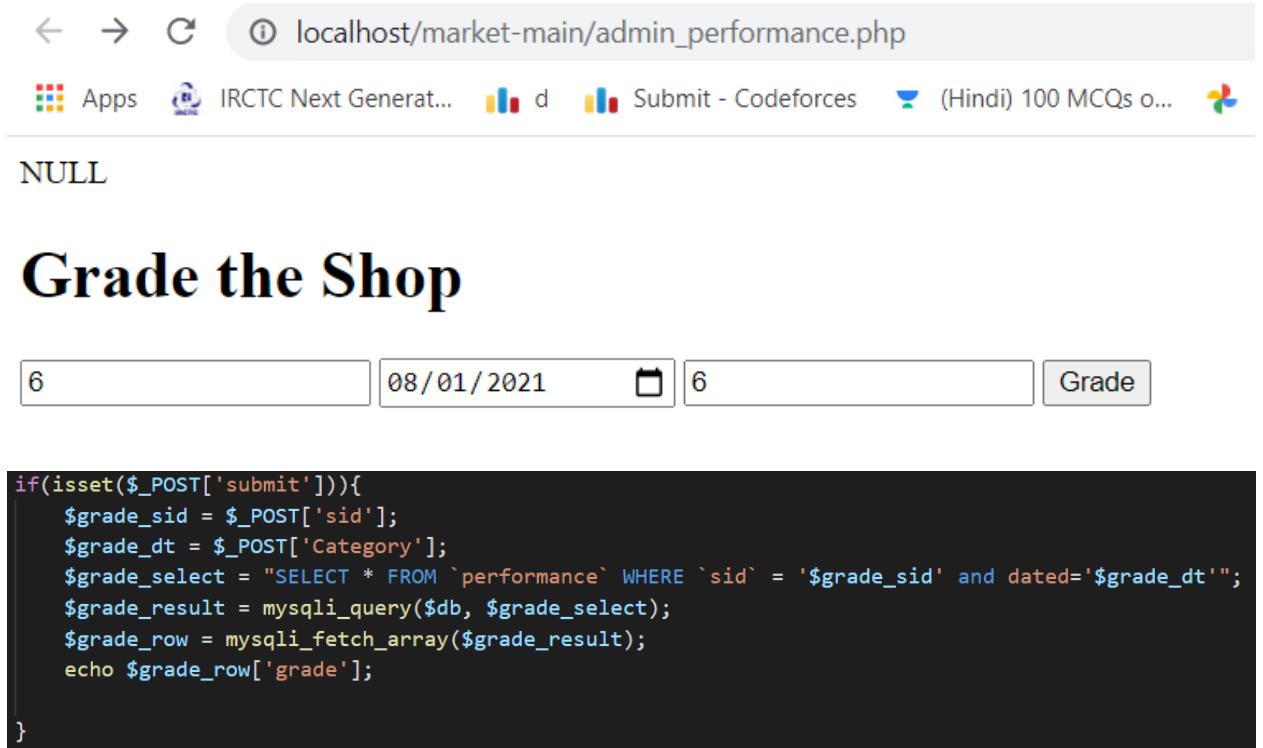
(Expiring within 7 days)

Shop-Id	Shop Name	Address	License End
6	jenish juice shop	Block-7, near nescafe, IIT Patna	2021-11-18

```
<table id = "users">
    <tr>
        <th>Shop-Id</th>
        <th>Shop Name</th>
        <th>Address</th>
        <th>License End</th>
    </tr>
    <?php
        $query = "SELECT * FROM Shop WHERE DATEDIFF(licenseend,current_date) < 7 and skid='\$skid'";
        $result = mysqli_query($db, $query);
        while($row = mysqli_fetch_assoc($result)){
    ?>
    <tr>
        <td><?php echo $row['sid'];?></td>
        <td><?php echo $row['sname'];?></td>
        <td><?php echo $row['address'];?></td>
        <td><?php echo $row['licenseend'];?></td>
    </tr>
    <?php } ?>
</table>
```

4. Shop rating system

Admin gives grade to each shop every month. S/he does that by clicking on 'Performance' from the admin panel. From where after s/he can update a shop's grade. Based on these grades, rating is calculated which is average of all grades. These rating is shown on profile page of that shopkeeper.



localhost/market-main/admin_performance.php

NULL

Grade the Shop

6 08/01/2021 6 Grade

```
if(isset($_POST['submit'])){  
    $grade_sid = $_POST['sid'];  
    $grade_dt = $_POST['Category'];  
    $grade_select = "SELECT * FROM `performance` WHERE `sid` = '$grade_sid' and dated='$grade_dt'";  
    $grade_result = mysqli_query($db, $grade_select);  
    $grade_row = mysqli_fetch_array($grade_result);  
    echo $grade_row['grade'];  
}
```

jenish juice shop

Current Rating: 75.0000

jenish snacks

Current Rating: 65.0000

```
$myshops= "SELECT * from Shop where skid = '$skid'";
$query_myshops = mysqli_query($db, $myshops);
while($row_myshops = mysqli_fetch_assoc($query_myshops)){
    $performa = "SELECT (sum(grade)/count(*))*10 as rating FROM `performance` WHERE sid = {$row_myshops['sid']}];
    $query_performance = mysqli_query($db, $performa);
    $row_performance = mysqli_fetch_assoc($query_performance);

?>

<div class="col-sm-4 mb-3">
    <div class="card h-100">
        <div class="card-body">
            <h6 class="d-flex align-items-center mb-3"><?php echo $row_myshops['sname'];?></h6>
            Current Rating: <?php echo $row_performance['rating'];?>
            <div class="progress mb-3" style="height: 5px">
                <div class="progress-bar bg-primary" role="progressbar"
                    style="width: <?php echo $row_performance['rating'];?>%
                    aria-valuenow="80" aria-valuemin="0" aria-valuemax="100"></div>
            </div>
        </div>
    </div>
</div>
<?php }?>
```

5. Shop charges update

Admin can change charges of a shop.

Enter the Details

Shopkeeper ID

Shop ID

Choose the category: Electricity ▾
Electricity
Rent
Others

Amount

```
updatechargesserver_sr.php
6   $skid= $_POST['skid'];
7   $sid= $_POST['sid'];
8   $amount= $_POST['amount'];
9
10
11  $query  = "SELECT * FROM Shop WHERE skid=$skid and sid=$sid";
12  $result = mysqli_query($db, $query);
13  $rows = mysqli_fetch_assoc($result);
14  // echo $rows['skid'];
15  $rows['charges'] += $amount;
16  $rows['pendingcharges'] += $amount;
17
18  // echo $rows['charges'];
19  $charges = $rows['charges'];
20  $pendingcharges = $rows['pendingcharges'];
21
22
23
24  $sql = "UPDATE Shop set charges=$charges, pendingcharges = $pendingcharges
25  where sid ='$sid' and skid='$skid'";
26
27  $result = mysqli_query($db, $sql);
28
29      if ($result) {
30          echo "charges updated";
31      }
32      else {
33          echo "Failed";
34      }
35  }
```

6. Filter shops from a area

Admin can view all the shops from a particular area

Shops

Area Filter :

ShopID	ShopkeeperID	Shop Name	Address	License start	License end	License Charge	Charge	Pending Charges	Approval
5	10	Tanmay Malu	Block-7, near nescafe, IIT Patna			0	0	0	approved
6	14	jenish juice shop	Block-7, near nescafe, IIT Patna	2021-11-04	2021-11-18	1000	0	100	approved

```
</tr>

<?php
    $sql = "SELECT * FROM shop";
    if(isset($area) and $area != ''){
        $sql = "select * from shop where address = '$area'";
    }

    $result = mysqli_query($db, $sql);

    while($row = mysqli_fetch_assoc($result)){
?>
<tr>
    <td><?php echo $row['sid'];?></td>
    <td><?php echo $row['skid'];?></td>
    <td><?php echo $row['sname'];?></td>
    <td><?php echo $row['address'];?></td>
    <td><?php echo $row['licensestart'];?></td>
    <td><?php echo $row['licenseend'];?></td>
    <td><?php echo $row['licensecharge'];?></td>
    <td><?php echo $row['charges'];?></td>
    <td><?php echo $row['pendingcharges'];?></td>
    <td><?php echo $row['approval'];?></td>

</tr>
<?php}?>
```

7. License approval

Admin can approve or deny pending shop license requests generated by shopkeepers. They can set the window of license and set the charges if they wish to approve. If they wish to deny, they can simply click on deny. Accordingly, the shop approval status gets reflected on shopkeepers profile page as well as shoplist page.

License Requests

Shop-Id	ShopKeeper-Id								
7	14	<input type="text" value="mm/dd/yyyy"/>	<input type="button" value=""/>	<input type="text" value="mm/dd/yyyy"/>	<input type="button" value=""/>	<input type="text" value="enter license charges"/>	<input type="button" value="approve"/>	<input type="button" value="decline"/>	

```
if(isset($_POST['approve'])){
    $lsdate=$_POST['lsdate'];
    $ledate=$_POST['ledate'];
    $sql = "UPDATE shop set approval='approved',licensestart='$lsdate',
    licenseend='$ledate',licensecharge='$licensecharge',pendingcharges='$licensecharge'
    where sid='$sid' and skid='$skid';

    $result = mysqli_query($db, $sql);
    if ($result) {
        echo "License Approved";
    }
    else {
        echo mysqli_connect_error(db);
    }

    $sql = "delete from licenserequest where sid = {$sid}";

    $result = mysqli_query($db, $sql);

    if ($result) {
        echo "License Denied";
    }
    else {
        echo "Failed";
    }
}
else{
```