

APPENDIX-2

PHP:

Index

```
<?php

//index.php

include('header.php');

?>

<div class="container" style="margin-top:30px">
  <div class="card">
    <div class="card-header">
      <div class="row">
        <div class="col-md-9">Overall Student Attendance Status</div>
        <div class="col-md-3" align="right">

      </div>
    </div>
  </div>
  <div class="card-body">
    <div class="table-responsive">
      <table class="table table-striped table-bordered" id="student_table">
        <thead>
          <tr>
            <th>Student Name</th>
            <th>Roll Number</th>
            <th>Class</th>
            <th>Attendance Percentage</th>
            <th>Report</th>
          </tr>
        </thead>
        <tbody>

      </tbody>
    </table>
  </div>
</div>
</div>

</body>
</html>

<script type="text/javascript" src="js/bootstrap-datepicker.js"></script>
<link rel="stylesheet" href="css/datepicker.css" />
```

```

<style>
    .datepicker
    {
        z-index: 1600 !important; /* has to be larger than 1050 */
    }
</style>

<div class="modal" id="formModal">
    <div class="modal-dialog">
        <div class="modal-content">

            <!-- Modal Header -->
            <div class="modal-header">
                <h4 class="modal-title">Make Report</h4>
                <button type="button" class="close" data-dismiss="modal">&times;</button>
            </div>

            <!-- Modal body -->
            <div class="modal-body">
                <div class="form-group">
                    <div class="input-daterange">
                        <input type="text" name="from_date" id="from_date" class="form-control"
placeholder="From Date" readonly />
                        <span id="error_from_date" class="text-danger"></span>
                        <br />
                        <input type="text" name="to_date" id="to_date" class="form-control"
placeholder="To Date" readonly />
                        <span id="error_to_date" class="text-danger"></span>
                    </div>
                </div>
            </div>

            <!-- Modal footer -->
            <div class="modal-footer">
                <input type="hidden" name="student_id" id="student_id" />
                <button type="button" name="create_report" id="create_report" class="btn btn-
success btn-sm">Create Report</button>
                <button type="button" class="btn btn-danger btn-sm" data-
dismiss="modal">Close</button>
            </div>

        </div>
    </div>
</div>

<script>
$(document).ready(function(){

    var dataTable = $('#student_table').DataTable({
        "processing":true,
        "serverSide":true,
        "order":[],
        "ajax":{

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```

        url:"attendance_action.php",
        type:"POST",
        data:{action:'index_fetch'}
    }
});

$('.input-daterange').datepicker({
    todayBtn:"linked",
    format:"yyyy-mm-dd",
    autoclose:true,
    container: '#formModal modal-body'
});

$(document).on('click', '.report_button', function(){
    var student_id = $(this).attr('id');
    $('#student_id').val(student_id);
    $('#formModal').modal('show');
});

$('#create_report').click(function(){
    var student_id = $('#student_id').val();
    var from_date = $('#from_date').val();
    var to_date = $('#to_date').val();
    var error = 0;
    if(from_date == '')
    {
        $('#error_from_date').text('From Date is Required');
        error++;
    }
    else
    {
        $('#error_from_date').text('');
    }
    if(to_date == '')
    {
        $('#error_to_date').text('To Date is Required');
        error++;
    }
    else
    {
        $('#error_to_date').text('');
    }

    if(error == 0)
    {
        $('#from_date').val('');
        $('#to_date').val('');
        $('#formModal').modal('hide');
        window.open("report.php?action=student_report&student_id="+student_id+"&from_date="+
from_date+"&to_date="+to_date);
    }
});
});

```

Teacher Login

```
<?php

//login.php

include('admin/database_connection.php');

session_start();

if(isset($_SESSION["teacher_id"]))
{
    header('location:index.php');
}

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Bodhi Valley</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.0/jquery.min.js"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"></script>
</head>
<body>

<div class="jumbotron text-center" style="margin-bottom:0">

    <h4 style="margin-top:20px; text-align:center; padding-left:60px;">Bodhi Tracker</h4>
    <div>
        <p style="text-align:center; margin-left:50px;"><a href="login.php" > Teacher </a>/ <a
href="admin/login.php"> Admin </a></p>
    </div>
</div>

<div class="container">
    <div class="row">
        <div class="col-md-4">

    </div>
    <div class="col-md-4" style="margin-top:20px;">
        <div class="card">
            <div class="card-header">Teacher Login</div>
            <div class="card-body">
```



```

        {
            $('#error_teacher_emailid').text(data.error_teacher_emailid);
        }
        else
        {
            $('#error_teacher_emailid').text('');
        }
        if(data.error_teacher_password != '')
        {
            $('#error_teacher_password').text(data.error_teacher_password);
        }
        else
        {
            $('#error_teacher_password').text('');
        }
    }
}
})
});
});
</script>

```

Admin Login

```

<?php

//login.php

include('database_connection.php');

session_start();

if(isset($_SESSION["admin_id"]))
{
    header('location:index.php');
}

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Student Attendance System in PHP using Ajax</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.0/jquery.min.js"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"></script>

```

```

    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"></script>
</head>
<body>

<div class="jumbotron text-center" style="margin-bottom:0">

    <h4 style="margin-top:20px; text-align:center; padding-left:60px;">Bodhi Tracker</h4>
    <div>
        <p style="text-align:center; margin-left:50px;"><a href="../../login.php" > Teacher </a>/
<a href="login.php"> Admin </a></p>
    </div>
</div>

<div class="container">
    <div class="row">
        <div class="col-md-4">

        </div>
        <div class="col-md-4" style="margin-top:20px;">
            <div class="card">
                <div class="card-header">Admin Login</div>
                <div class="card-body">
                    <form method="post" id="admin_login_form">
                        <div class="form-group">
                            <label>Enter Username</label>
                            <input type="text" name="admin_user_name" id="admin_user_name" class="form-
control" />
                            <span id="error_admin_user_name" class="text-danger"></span>
                        </div>
                        <div class="form-group">
                            <label>Enter Password</label>
                            <input type="password" name="admin_password" id="admin_password"
class="form-control" />
                            <span id="error_admin_password" class="text-danger"></span>
                        </div>
                        <div class="form-group">
                            <input type="submit" name="admin_login" id="admin_login" class="btn btn-
info" value="Login" />
                        </div>
                    </form>
                </div>
            </div>
            <div class="col-md-4">

        </div>
    </div>
</div>

</body>
</html>

```

```
<script>
$(document).ready(function(){
    $('#admin_login_form').on('submit', function(event){
        event.preventDefault();
        $.ajax({
            url:"check_admin_login.php",
            method:"POST",
            data:$(this).serialize(),
            dataType:"json",
            beforeSend:function(){
                $('#admin_login').val('Validate...');
                $('#admin_login').attr('disabled', 'disabled');
            },
            success:function(data)
            {
                if(data.success)
                {
                    location.href = "<?php echo $base_url; ?>admin";
                }
                if(data.error)
                {
                    $('#admin_login').val('Login');
                    $('#admin_login').attr('disabled', false);
                    if(data.error_admin_user_name != '')
                    {
                        $('#error_admin_user_name').text(data.error_admin_user_name);
                    }
                    else
                    {
                        $('#error_admin_user_name').text('');
                    }
                    if(data.error_admin_password != '')
                    {
                        $('#error_admin_password').text(data.error_admin_password);
                    }
                    else
                    {
                        $('#error_admin_password').text('');
                    }
                }
            }
        });
    });
});
</script>
```


Teacher account functionalities

```
<?php

include('header.php');

?>

<div class="container" style="margin-top:30px">
  <div class="card">
    <div class="card-header">
      <div class="row">
        <div class="col-md-9">Teacher List</div>
        <div class="col-md-3" align="right">
          <button type="button" id="add_button" class="btn btn-info btn-sm">Add</button>
        </div>
      </div>
    </div>
  </div>
  <div class="card-body">
    <div class="table-responsive">
      <span id="message_operation"></span>
      <table class="table table-striped table-bordered" id="teacher_table">
        <thead>
          <tr>
            <th>Image</th>
            <th>Teacher Name</th>
            <th>Email Address</th>
            <th>Class</th>
            <th>View</th>
            <th>Edit</th>
            <th>Delete</th>
          </tr>
        </thead>
        <tbody>

        </tbody>
      </table>
    </div>
  </div>
</div>

</body>
</html>

<script type="text/javascript" src="../js/bootstrap-datepicker.js"></script>
<link rel="stylesheet" href="../css/datepicker.css" />

<style>
  .datepicker {
    z-index: 1600 !important; /* has to be larger than 1050 */
  }
</style>
```

```

</style>

<div class="modal" id="formModal">
  <div class="modal-dialog">
    <form method="post" id="teacher_form" enctype="multipart/form-data">
      <div class="modal-content">

        <!-- Modal Header -->
        <div class="modal-header">
          <h4 class="modal-title" id="modal_title"></h4>
          <button type="button" class="close" data-dismiss="modal">&times;</button>
        </div>

        <!-- Modal body -->
        <div class="modal-body">
          <div class="form-group">
            <div class="row">
              <label class="col-md-4 text-right">Teacher Name <span class="text-
danger">*</span></label>
              <div class="col-md-8">
                <input type="text" name="teacher_name" id="teacher_name" class="form-
control" />
                <span id="error_teacher_name" class="text-danger"></span>
              </div>
            </div>
          </div>
          <div class="form-group">
            <div class="row">
              <label class="col-md-4 text-right">Address <span class="text-
danger">*</span></label>
              <div class="col-md-8">
                <textarea name="teacher_address" id="teacher_address" class="form-
control"></textarea>
                <span id="error_teacher_address" class="text-danger"></span>
              </div>
            </div>
          </div>
          <div class="form-group">
            <div class="row">
              <label class="col-md-4 text-right">Email Address <span class="text-
danger">*</span></label>
              <div class="col-md-8">
                <input type="text" name="teacher_emailid" id="teacher_emailid"
class="form-control" />
                <span id="error_teacher_emailid" class="text-danger"></span>
              </div>
            </div>
          </div>
          <div class="form-group">
            <div class="row">
              <label class="col-md-4 text-right">Password <span class="text-
danger">*</span></label>
              <div class="col-md-8">

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```

        <input type="password" name="teacher_password" id="teacher_password"
class="form-control" />
        <span id="error_teacher_password" class="text-danger"></span>
    </div>
</div>
</div>
<div class="form-group">
    <div class="row">
        <label class="col-md-4 text-right">Qualification <span class="text-
danger">*</span></label>
        <div class="col-md-8">
            <input type="text" name="teacher_qualification" id="teacher_qualification"
class="form-control" />
            <span id="error_teacher_qualification" class="text-danger"></span>
        </div>
    </div>
</div>
<div class="form-group">
    <div class="row">
        <label class="col-md-4 text-right">Class <span class="text-
danger">*</span></label>
        <div class="col-md-8">
            <select name="teacher_grade_id" id="teacher_grade_id" class="form-
control">
                <option value="">Select Class</option>
                <?php
                echo load_grade_list($connect);
                ?>
            </select>
            <span id="error_teacher_grade_id" class="text-danger"></span>
        </div>
    </div>
</div>
<div class="form-group">
    <div class="row">
        <label class="col-md-4 text-right">Date of Joining <span class="text-
danger">*</span></label>
        <div class="col-md-8">
            <input type="text" name="teacher_doj" id="teacher_doj" class="form-
control" />
            <span id="error_teacher_doj" class="text-danger"></span>
        </div>
    </div>
</div>
<div class="form-group">
    <div class="row">
        <label class="col-md-4 text-right">Image <span class="text-
danger">*</span></label>
        <div class="col-md-8">
            <input type="file" name="teacher_image" id="teacher_image" />
            <span class="text-muted">Only .jpg and .png allowed</span><br />
            <span id="error_teacher_image" class="text-danger"></span>
        </div>
    </div>
</div>

```

```

        </div>
    </div>

    <!-- Modal footer -->
    <div class="modal-footer">
        <input type="hidden" name="hidden_teacher_image" id="hidden_teacher_image"
value="" />
        <input type="hidden" name="teacher_id" id="teacher_id" />
        <input type="hidden" name="action" id="action" value="Add" />
        <input type="submit" name="button_action" id="button_action" class="btn btn-
success btn-sm" value="Add" />
        <button type="button" class="btn btn-danger btn-sm" data-
dismiss="modal">Close</button>
    </div>

</div>
</form>
</div>
</div>

<div class="modal" id="viewModal">
    <div class="modal-dialog modal-lg">
        <div class="modal-content">

            <!-- Modal Header -->
            <div class="modal-header">
                <h4 class="modal-title">Teacher Details</h4>
                <button type="button" class="close" data-dismiss="modal">&times;</button>
            </div>

            <!-- Modal body -->
            <div class="modal-body" id="teacher_details">

            </div>

            <!-- Modal footer -->
            <div class="modal-footer">
                <button type="button" class="btn btn-danger btn-sm" data-
dismiss="modal">Close</button>
            </div>

        </div>
    </div>
</div>

<div class="modal" id="deleteModal">
    <div class="modal-dialog">
        <div class="modal-content">

            <!-- Modal Header -->
            <div class="modal-header">
                <h4 class="modal-title">Delete Confirmation</h4>
                <button type="button" class="close" data-dismiss="modal">&times;</button>
            </div>

```

```

    <!-- Modal body -->
    <div class="modal-body">
        <h3 align="center">Are you sure you want to remove this?</h3>
    </div>

    <!-- Modal footer -->
    <div class="modal-footer">
        <button type="button" name="ok_button" id="ok_button" class="btn btn-primary btn-sm">OK</button>
        <button type="button" class="btn btn-danger btn-sm" data-dismiss="modal">Close</button>
    </div>

</div>
</div>
</div>

<script>
$(document).ready(function(){
    var dataTable = $('#teacher_table').DataTable({
        "processing":true,
        "serverSide":true,
        "order":[],
        "ajax":{
            url:"teacher_action.php",
            type:"POST",
            data:{action:'fetch'}
        },
        "columnDefs":[
            {
                "targets":[0, 4, 5, 6],
                "orderable":false,
            },
        ],
    });

    $('#teacher_doj').datepicker({
        format: "yyyy-mm-dd",
        autoclose: true,
        container: '#formModal modal-body'
    });

    function clear_field()
    {
        $('#teacher_form')[0].reset();
        $('#error_teacher_name').text('');
        $('#error_teacher_address').text('');
        $('#error_teacher_emailid').text('');
        $('#error_teacher_password').text('');
        $('#error_teacher_qualification').text('');
        $('#error_teacher_doj').text('');
        $('#error_teacher_image').text('');
    }
}

```

```

$('#error_teacher_grade_id').text('');
}

$('#add_button').click(function(){
    $('#modal_title').text("Add Teacher");
    $('#button_action').val('Add');
    $('#action').val('Add');
    $('#formModal').modal('show');
    clear_field();
});

$('#teacher_form').on('submit', function(event){
    event.preventDefault();
    $.ajax({
        url:"teacher_action.php",
        method:"POST",
        data:new FormData(this),
        dataType:"json",
        contentType:false,
        processData:false,
        beforeSend:function()
        {
            $('#button_action').val('Validate...');
            $('#button_action').attr('disabled', 'disabled');
        },
        success:function(data){
            $('#button_action').attr('disabled', false);
            $('#button_action').val($('#action').val());
            if(data.success)
            {
                $('#message_operation').html('<div class="alert alert-success">'+data.success+'</div>');
                clear_field();
                $('#formModal').modal('hide');
                dataTable.ajax.reload();
            }
            if(data.error)
            {
                if(data.error_teacher_name != '')
                {
                    $('#error_teacher_name').text(data.error_teacher_name);
                }
                else
                {
                    $('#error_teacher_name').text('');
                }
                if(data.error_teacher_address != '')
                {
                    $('#error_teacher_address').text(data.error_teacher_address);
                }
                else
                {
                    $('#error_teacher_address').text('');
                }
            }
        }
    });

```

```

        if(data.error_teacher_emailid != '')
        {
            $('#error_teacher_emailid').text(data.error_teacher_emailid);
        }
        else
        {
            $('#error_teacher_emailid').text('');
        }
        if(data.error_teacher_password != '')
        {
            $('#error_teacher_password').text(data.error_teacher_password);
        }
        else
        {
            $('#error_teacher_password').text('');
        }
        if(data.error_teacher_grade_id != '')
        {
            $('#error_teacher_grade_id').text(data.error_teacher_grade_id);
        }
        else
        {
            $('#error_teacher_grade_id').text('');
        }
        if(data.error_teacher_qualification != '')
        {
            $('#error_teacher_qualification').text(data.error_teacher_qualification);
        }
        else
        {
            $('#error_teacher_qualification').text('');
        }
        if(data.error_teacher_doj != '')
        {
            $('#error_teacher_doj').text(data.error_teacher_doj);
        }
        else
        {
            $('#error_teacher_doj').text('');
        }
        if(data.error_teacher_image != '')
        {
            $('#error_teacher_image').text(data.error_teacher_image);
        }
        else
        {
            $('#error_teacher_image').text('');
        }
    }
}
});
});

var teacher_id = '';

```

```

$(document).on('click', '.view_teacher', function(){
    teacher_id = $(this).attr('id');
    $.ajax({
        url:"teacher_action.php",
        method:"POST",
        data:{action:'single_fetch', teacher_id:teacher_id},
        success:function(data)
        {
            $('#viewModal').modal('show');
            $('#teacher_details').html(data);
        }
    });
});

$(document).on('click', '.edit_teacher', function(){
    teacher_id = $(this).attr('id');
    clear_field();
    $.ajax({
        url:"teacher_action.php",
        method:"POST",
        data:{action:'edit_fetch', teacher_id:teacher_id},
        dataType:"json",
        success:function(data)
        {
            $('#teacher_name').val(data.teacher_name);
            $('#teacher_address').val(data.teacher_address);
            $('#teacher_grade_id').val(data.teacher_grade_id);
            $('#teacher_qualification').val(data.teacher_qualification);
            $('#teacher_doj').val(data.teacher_doj);
            $('#error_teacher_image').html('');
            $('#hidden_teacher_image').val(data.teacher_image);
            $('#teacher_id').val(data.teacher_id);
            $('#modal_title').text('Edit Teacher');
            $('#button_action').val('Edit');
            $('#action').val('Edit');
            $('#formModal').modal('show');
        }
    });
});

$(document).on('click', '.delete_teacher', function(){
    teacher_id = $(this).attr('id');
    $('#deleteModal').modal('show');
});

$('#ok_button').click(function(){
    $.ajax({
        url:"teacher_action.php",
        method:"POST",
        data:{teacher_id:teacher_id, action:'delete'},
        success:function(data)
        {

```



```

        $('#message_operation').html('<div class="alert alert-success">'+data+'</div>');
        $('#deleteModal').modal('hide');
        dataTable.ajax.reload();
    }
})
});
});
</script>

```

Teacher related actions

```

<?php

//teacher_action.php

include('database_connection.php');

session_start();

if(isset($_POST["action"]))
{
    if($_POST["action"] == "fetch")
    {
        $query = "
        SELECT * FROM tbl_teacher
        INNER JOIN tbl_grade
        ON tbl_grade.grade_id = tbl_teacher.teacher_grade_id
        ";
        if(isset($_POST["search"]["value"]))
        {
            $query .= '
            WHERE tbl_teacher.teacher_name LIKE "%'.$_POST["search"]["value"]. '%"
            OR tbl_teacher.teacher_emailid LIKE "%'.$_POST["search"]["value"]. '%"
            OR tbl_grade.grade_name LIKE "%'.$_POST["search"]["value"]. '%"
            ';
        }
        if(isset($_POST["order"]))
        {
            $query .= '
            ORDER BY '.$_POST['order']['0']['column'].' '.$_POST['order']['0']['dir'].'
            ';
        }
        else
        {
            $query .= '
            ORDER BY tbl_teacher.teacher_id DESC
            ';
        }
        if($_POST["length"] != -1)
        {

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```

        $query .= 'LIMIT ' . $_POST['start'] . ', ' . $_POST['length'];
    }

    $statement = $connect->prepare($query);
    $statement->execute();
    $result = $statement->fetchAll();
    $data = array();
    $filtered_rows = $statement->rowCount();
    foreach($result as $row)
    {
        $sub_array = array();
        $sub_array[] = '';
        $sub_array[] = $row["teacher_name"];
        $sub_array[] = $row["teacher_emailid"];
        $sub_array[] = $row["grade_name"];
        $sub_array[] = '<button type="button" name="view_teacher" class="btn btn-info btn-sm view_teacher" id="' . $row["teacher_id"] . '">View</button>';
        $sub_array[] = '<button type="button" name="edit_teacher" class="btn btn-primary btn-sm edit_teacher" id="' . $row["teacher_id"] . '">Edit</button>';
        $sub_array[] = '<button type="button" name="delete_teacher" class="btn btn-danger btn-sm delete_teacher" id="' . $row["teacher_id"] . '">Delete</button>';
        $data[] = $sub_array;
    }
    $output = array(
        "draw"           => intval($_POST["draw"]),
        "recordsTotal"   => $filtered_rows,
        "recordsFiltered" => get_total_records($connect, 'tbl_teacher'),
        "data"           => $data
    );
    echo json_encode($output);
}

if($_POST["action"] == 'Add' || $_POST["action"] == "Edit")
{
    $teacher_name = '';
    $teacher_address = '';
    $teacher_emailid = '';
    $teacher_password = '';
    $teacher_grade_id = '';
    $teacher_qualification = '';
    $teacher_doj = '';
    $teacher_image = '';
    $error_teacher_name = '';
    $error_teacher_address = '';
    $error_teacher_emailid = '';
    $error_teacher_password = '';
    $error_teacher_grade_id = '';
    $error_teacher_qualification = '';
    $error_teacher_doj = '';
    $error_teacher_image = '';
    $error = 0;

    $teacher_image = $_POST["hidden_teacher_image"];

```

```

if($_FILES["teacher_image"]["name"] != '')
{
    $file_name = $_FILES["teacher_image"]["name"];
    $tmp_name = $_FILES["teacher_image"]["tmp_name"];
    $extension_array = explode(".", $file_name);
    $extension = strtolower($extension_array[1]);
    $allowed_extension = array('jpg','png');
    if(!in_array($extension, $allowed_extension))
    {
        $error_teacher_image = 'Invalid Image Format';
        $error++;
    }
    else
    {
        $teacher_image = uniqid() . '.' . $extension;
        $upload_path = 'teacher_image/' . $teacher_image;
        move_uploaded_file($tmp_name, $upload_path);
    }
}
else
{
    if($teacher_image == '')
    {
        $error_teacher_image = 'Image is required';
        $error++;
    }
}
if(empty($_POST["teacher_name"]))
{
    $error_teacher_name = 'Teacher Name is required';
    $error++;
}
else
{
    $teacher_name = $_POST["teacher_name"];
}
if(empty($_POST["teacher_address"]))
{
    $error_teacher_address = 'Teacher Address is required';
    $error++;
}
else
{
    $teacher_address = $_POST["teacher_address"];
}
if($_POST["action"] == "Add")
{
    if(empty($_POST["teacher_emailid"]))
    {
        $error_teacher_emailid = 'Email Address is required';
        $error++;
    }
    else
    {

```

```

        if(!filter_var($_POST["teacher_emailid"], FILTER_VALIDATE_EMAIL))
        {
            $error_teacher_emailid = 'Invalid email format';
            $error++;
        }
        else
        {
            $teacher_emailid = $_POST["teacher_emailid"];
        }
    }
    if(empty($_POST["teacher_password"]))
    {
        $error_teacher_password = "Password is required";
        $error++;
    }
    else
    {
        $teacher_password = $_POST["teacher_password"];
    }
}
if(empty($_POST["teacher_grade_id"]))
{
    $error_teacher_grade_id = "Class is required";
    $error++;
}
else
{
    $teacher_grade_id = $_POST["teacher_grade_id"];
}
if(empty($_POST["teacher_qualification"]))
{
    $error_teacher_qualification = 'Qualification Field is required';
    $error++;
}
else
{
    $teacher_qualification = $_POST["teacher_qualification"];
}
if(empty($_POST["teacher_doj"]))
{
    $error_teacher_doj = 'Date of Join Field is required';
    $error++;
}
else
{
    $teacher_doj = $_POST["teacher_doj"];
}
if($error > 0)
{
    $output = array(
        'error' => true,
        'error_teacher_name' => $error_teacher_name,
        'error_teacher_address' => $error_teacher_address,
        'error_teacher_emailid' => $error_teacher_emailid,

```

```

        'error_teacher_password'      => $error_teacher_password,
        'error_teacher_grade_id'      => $error_teacher_grade_id,
        'error_teacher_qualification'  => $error_teacher_qualification,
        'error_teacher_doj'           => $error_teacher_doj,
        'error_teacher_image'         => $error_teacher_image
    );
}
else
{
    if($_POST["action"] == 'Add')
    {
        $data = array(
            ':teacher_name'             => $teacher_name,
            ':teacher_address'          => $teacher_address,
            ':teacher_emailid'          => $teacher_emailid,
            ':teacher_password'         => password_hash($teacher_password,
PASSWORD_DEFAULT),
            ':teacher_qualification'     => $teacher_qualification,
            ':teacher_doj'              => $teacher_doj,
            ':teacher_image'            => $teacher_image,
            ':teacher_grade_id'         => $teacher_grade_id
        );
        $query = "
        INSERT INTO tbl_teacher
        (teacher_name, teacher_address, teacher_emailid, teacher_password,
teacher_qualification, teacher_doj, teacher_image, teacher_grade_id)
        SELECT * FROM (SELECT :teacher_name, :teacher_address, :teacher_emailid,
:teacher_password, :teacher_qualification, :teacher_doj, :teacher_image,
:teacher_grade_id) as temp
        WHERE NOT EXISTS (
            SELECT teacher_emailid FROM tbl_teacher WHERE teacher_emailid =
:teacher_emailid
        ) LIMIT 1
        ";
        $statement = $connect->prepare($query);
        if($statement->execute($data))
        {
            if($statement->rowCount() > 0)
            {
                $output = array(
                    'success'            => 'Data Added Successfully',
                );
            }
            else
            {
                $output = array(
                    'error'               => true,
                    'error_teacher_emailid' => 'Email Already Exists'
                );
            }
        }
    }
    if($_POST["action"] == "Edit")
    {

```

```

        $data = array(
            ':teacher_name'      => $teacher_name,
            ':teacher_address'   => $teacher_address,
            ':teacher_qualification' => $teacher_qualification,
            ':teacher_doj'       => $teacher_doj,
            ':teacher_image'     => $teacher_image,
            ':teacher_grade_id'  => $teacher_grade_id,
            ':teacher_id'        => $_POST["teacher_id"]
        );
        $query = "
        UPDATE tbl_teacher
        SET teacher_name = :teacher_name,
            teacher_address = :teacher_address,
            teacher_grade_id = :teacher_grade_id,
            teacher_qualification = :teacher_qualification,
            teacher_doj = :teacher_doj,
            teacher_image = :teacher_image
        WHERE teacher_id = :teacher_id
        ";
        $statement = $connect->prepare($query);
        if($statement->execute($data))
        {
            $output = array(
                'success'      => 'Data Edited Successfully',
            );
        }
    }
}
echo json_encode($output);
}

```

```

if($_POST["action"] == "single_fetch")
{
    $query = "
    SELECT * FROM tbl_teacher
    INNER JOIN tbl_grade
    ON tbl_grade.grade_id = tbl_teacher.teacher_grade_id
    WHERE tbl_teacher.teacher_id = '".$_POST["teacher_id"]."'";
    $statement = $connect->prepare($query);
    if($statement->execute())
    {
        $result = $statement->fetchAll();
        $output = '
        <div class="row">
        ';
        foreach($result as $row)
        {
            $output .= '
            <div class="col-md-3">
                
            </div>

```



```

        <th>Class</th>
        <th>Edit</th>
        <th>Delete</th>
    </tr>
</thead>
<tbody>

</tbody>
</table>

</div>
</div>
</div>
</div>

</body>
</html>

<script type="text/javascript" src="../js/bootstrap-datepicker.js"></script>
<link rel="stylesheet" href="../css/datepicker.css" />

<style>
    .datepicker {
        z-index: 1600 !important; /* has to be larger than 1050 */
    }
</style>

<div class="modal" id="formModal">
    <div class="modal-dialog">
        <form method="post" id="student_form">
            <div class="modal-content">

                <!-- Modal Header -->
                <div class="modal-header">
                    <h4 class="modal-title" id="modal_title"></h4>
                    <button type="button" class="close" data-dismiss="modal">&times;</button>
                </div>

                <!-- Modal body -->
                <div class="modal-body">
                    <div class="form-group">
                        <div class="row">
                            <label class="col-md-4 text-right">Student Name <span class="text-
danger">*</span></label>
                            <div class="col-md-8">
                                <input type="text" name="student_name" id="student_name" class="form-
control" />
                                <span id="error_student_name" class="text-danger"></span>
                            </div>
                        </div>
                    </div>
                    <div class="form-group">
                        <div class="row">

```

```

        <label class="col-md-4 text-right">Roll No. <span class="text-
danger">*</span></label>
        <div class="col-md-8">
            <input type="text" name="student_roll_number" id="student_roll_number"
class="form-control" />
            <span id="error_student_roll_number" class="text-danger"></span>
        </div>
    </div>
    <div class="form-group">
        <div class="row">
            <label class="col-md-4 text-right">Date of Birth <span class="text-
danger">*</span></label>
            <div class="col-md-8">
                <input type="text" name="student_dob" id="student_dob" class="form-
control" />
                <span id="error_student_dob" class="text-danger"></span>
            </div>
        </div>
        <div class="form-group">
            <div class="row">
                <label class="col-md-4 text-right">Class <span class="text-
danger">*</span></label>
                <div class="col-md-8">
                    <select name="student_grade_id" id="student_grade_id" class="form-
control">
                        <option value="">Select Class</option>
                        <?php
                            echo load_grade_list($connect);
                        ?>
                    </select>
                    <span id="error_student_grade_id" class="text-danger"></span>
                </div>
            </div>
        </div>
    </div>

    <!-- Modal footer -->
    <div class="modal-footer">
        <input type="hidden" name="student_id" id="student_id" />
        <input type="hidden" name="action" id="action" value="Add" />
        <input type="submit" name="button_action" id="button_action" class="btn btn-
success btn-sm" value="Add" />
        <button type="button" class="btn btn-danger btn-sm" data-
dismiss="modal">Close</button>
    </div>

</div>
</form>
</div>
</div>

<div class="modal" id="deleteModal">

```

```

<div class="modal-dialog">
  <div class="modal-content">

    <!-- Modal Header -->
    <div class="modal-header">
      <h4 class="modal-title">Delete Confirmation</h4>
      <button type="button" class="close" data-dismiss="modal">&times;</button>
    </div>

    <!-- Modal body -->
    <div class="modal-body">
      <h3 align="center">Are you sure you want to remove this?</h3>
    </div>

    <!-- Modal footer -->
    <div class="modal-footer">
      <button type="button" name="ok_button" id="ok_button" class="btn btn-primary btn-sm">OK</button>
      <button type="button" class="btn btn-danger btn-sm" data-dismiss="modal">Close</button>
    </div>

  </div>
</div>

<script>
$(document).ready(function(){

  var dataTable = $('#student_table').DataTable({
    "processing":true,
    "serverSide":true,
    "order":[],
    "ajax":{
      url:"student_action.php",
      method:"POST",
      data:{action:'fetch'},
    }
  });

  $('#student_dob').datepicker({
    format:"yyyy-mm-dd",
    autoclose: true,
    container: '#formModal modal-body'
  });

  function clear_field()
  {
    $('#student_form')[0].reset();
    $('#error_student_name').text('');
    $('#error_student_roll_number').text('');
    $('#error_student_dob').text('');
    $('#error_student_grade_id').text('');
  }
}

```

```

$('#add_button').click(function(){
    $('#modal_title').text('Add Student');
    $('#button_action').val('Add');
    $('#action').val('Add');
    $('#formModal').modal('show');
    clear_field();
});

$('#student_form').on('submit', function(event){
    event.preventDefault();
    $.ajax({
        url:"student_action.php",
        method:"POST",
        data:$(this).serialize(),
        dataType:"json",
        beforeSend:function(){
            $('#button_action').val('Validate...');
            $('#button_action').attr('disabled', 'disabled');
        },
        success:function(data)
        {
            $('#button_action').attr('disabled', false);
            $('#button_action').val($('#action').val());
            if(data.success)
            {
                $('#message_operation').html('<div class="alert alert-
success">'+data.success+'</div>');
                clear_field();
                $('#formModal').modal('hide');
                dataTable.ajax.reload();
            }
            if(data.error)
            {
                if(data.error_student_name != '')
                {
                    $('#error_student_name').text(data.error_student_name);
                }
                else
                {
                    $('#error_student_name').text('');
                }
                if(data.error_student_roll_number != '')
                {
                    $('#error_student_roll_number').text(data.error_student_roll_number);
                }
                else
                {
                    $('#error_student_roll_number').text('');
                }
                if(data.error_student_dob != '')
                {
                    $('#error_student_dob').text(data.error_student_dob);
                }
            }
        }
    });

```

```

        else
        {
            $('#error_student_dob').text('');
        }
        if(data.error_student_grade_id != '')
        {
            $('#error_student_grade_id').text(data.error_student_grade_id);
        }
        else
        {
            $('#error_student_grade_id').text('');
        }
    }
}
})
});

```

```

var student_id = '';

```

```

$(document).on('click', '.edit_student', function(){
    student_id = $(this).attr('id');
    clear_field();
    $.ajax({
        url:"student_action.php",
        method:"POST",
        data:{action:'edit_fetch', student_id:student_id},
        dataType:"json",
        success:function(data)
        {
            $('#student_name').val(data.student_name);
            $('#student_roll_number').val(data.student_roll_number);
            $('#student_dob').val(data.student_dob);
            $('#student_grade_id').val(data.student_grade_id);
            $('#student_id').val(data.student_id);
            $('#modal_title').text('Edit Student');
            $('#button_action').val('Edit');
            $('#action').val('Edit');
            $('#formModal').modal('show');
        }
    })
});

```

```

$(document).on('click', '.delete_student', function(){
    student_id = $(this).attr('id');
    $('#deleteModal').modal('show');
});

```

```

$('#ok_button').click(function(){
    $.ajax({
        url:"student_action.php",
        method:"POST",
        data:{student_id:student_id, action:"delete"},
        success:function(data)
        {

```

```

        $('#message_operation').html('<div class="alert alert-success">'+data+'</div>');
        $('#deleteModal').modal('hide');
        dataTable.ajax.reload();
    }
})
});
});
</script>

```

Student related actions

```

<?php
//student_action.php

include('database_connection.php');

session_start();

if(isset($_POST["action"]))
{
    if($_POST["action"] == "fetch")
    {
        $query = "
        SELECT * FROM tbl_student
        INNER JOIN tbl_grade
        ON tbl_grade.grade_id = tbl_student.student_grade_id
        ";

        if(isset($_POST["search"]["value"]))
        {
            $query .= '
            WHERE tbl_student.student_name LIKE "%'.$_POST["search"]["value"].%"
            OR tbl_student.student_roll_number LIKE "%'.$_POST["search"]["value"].%"
            OR tbl_student.student_dob LIKE "%'.$_POST["search"]["value"].%"
            OR tbl_grade.grade_name LIKE "%'.$_POST["search"]["value"].%"
            ';
        }

        if(isset($_POST["order"]))
        {
            $query .= '
            ORDER BY '.$_POST['order']['0']['column'].' '.$_POST['order']['0']['dir'].'
            ';
        }
        else
        {
            $query .= '
            ORDER BY tbl_student.student_id DESC
            ';
        }
    }
}

```

```

        ';
    }
    if($_POST["length"] != -1)
    {
        $query .= 'LIMIT ' . $_POST['start'] . ', ' . $_POST['length'];
    }

    $statement = $connect->prepare($query);

    $statement->execute();
    $result = $statement->fetchAll();
    $data = array();
    $filtered_rows = $statement->rowCount();
    foreach($result as $row)
    {
        $sub_array = array();
        $sub_array[] = $row["student_name"];
        $sub_array[] = $row["student_roll_number"];
        $sub_array[] = $row["student_dob"];
        $sub_array[] = $row["grade_name"];
        $sub_array[] = '<button type="button" name="edit_student" class="btn btn-
primary btn-sm edit_student" id="'. $row["student_id"].' ">Edit</button>';
        $sub_array[] = '<button type="button" name="delete_student" class="btn btn-
danger btn-sm delete_student" id="'. $row["student_id"].' ">Delete</button>';
        $data[] = $sub_array;
    }
    $output = array(
        "draw"           => intval($_POST["draw"]),
        "recordsTotal"    => $filtered_rows,
        "recordsFiltered" => get_total_records($connect, 'tbl_student'),
        "data"           => $data
    );

    echo json_encode($output);
}

if($_POST["action"] == 'Add' || $_POST["action"] == "Edit")
{
    $student_name = '';
    $student_roll_number = '';
    $student_dob = '';
    $student_grade_id = '';
    $error_student_name = '';
    $error_student_roll_number = '';
    $error_student_dob = '';
    $error_student_grade_id = '';
    $error = 0;
    if(empty($_POST["student_name"]))
    {
        $error_student_name = 'Student Name is required';
        $error++;
    }
    else
    {

```

```

        $student_name = $_POST["student_name"];
    }
    if(empty($_POST["student_roll_number"]))
    {
        $error_student_roll_number = 'Student Roll Number is required';
        $error++;
    }
    else
    {
        $student_roll_number = $_POST["student_roll_number"];
    }
    if(empty($_POST["student_dob"]))
    {
        $error_student_dob = 'Student Date of Birth is required';
        $error++;
    }
    else
    {
        $student_dob = $_POST["student_dob"];
    }
    if(empty($_POST["student_grade_id"]))
    {
        $error_student_grade_id = "Class is required";
        $error++;
    }
    else
    {
        $student_grade_id = $_POST["student_grade_id"];
    }
    if($error > 0)
    {
        $output = array(
            'error' => true,
            'error_student_name' => $error_student_name,
            'error_student_roll_number' => $error_student_roll_number,
            'error_student_dob' => $error_student_dob,
            'error_student_grade_id' => $error_student_grade_id
        );
    }
    else
    {
        if($_POST["action"] == 'Add')
        {
            $data = array(
                ':student_name' => $student_name,
                ':student_roll_number' => $student_roll_number,
                ':student_dob' => $student_dob,
                ':student_grade_id' => $student_grade_id
            );
            $query = "
            INSERT INTO tbl_student
            (student_name, student_roll_number, student_dob, student_grade_id)
            VALUES (:student_name, :student_roll_number, :student_dob,
:student_grade_id)

```



```

";

$stmtement = $connect->prepare($query);
if($statement->execute($data))
{
    $output = array(
        'success'      =>  'Data Added Successfully',
    );
}
}
if($_POST["action"] == "Edit")
{
    $data = array(
        ':student_name'      =>  $student_name,
        ':student_roll_number' =>  $student_roll_number,
        ':student_dob'       =>  $student_dob,
        ':student_grade_id'  =>  $student_grade_id,
        ':student_id'        =>  $_POST["student_id"]
    );
    $query = "
    UPDATE tbl_student
    SET student_name = :student_name,
    student_roll_number = :student_roll_number,
    student_dob = :student_dob,
    student_grade_id = :student_grade_id
    WHERE student_id = :student_id
    ";
    $statement = $connect->prepare($query);
    if($statement->execute($data))
    {
        $output = array(
            'success'      =>  'Data Edited Successfully',
        );
    }
}
}
echo json_encode($output);
}

if($_POST["action"] == "edit_fetch")
{
    $query = "
    SELECT * FROM tbl_student
    WHERE student_id = '".$_POST["student_id"]."
    ";
    $statement = $connect->prepare($query);
    if($statement->execute())
    {
        $result = $statement->fetchAll();
        foreach($result as $row)
        {
            $output["student_name"] = $row["student_name"];
            $output["student_roll_number"] = $row["student_roll_number"];
            $output["student_dob"] = $row["student_dob"];
        }
    }
}

```

```

        $output["student_grade_id"] = $row["student_grade_id"];
        $output["student_id"] = $row["student_id"];
    }
    echo json_encode($output);
}
}
if($_POST["action"] == "delete")
{
    $query = "
    DELETE FROM tbl_student
    WHERE student_id = '".$_POST["student_id"]."'
    ";
    $statement = $connect->prepare($query);
    if($statement->execute())
    {
        echo 'Data Delete Successfully';
    }
}
}
?>

```

Attendance functionalities

```

<?php
//attendance.php
include('header.php');
?>

<div class="container" style="margin-top:30px">
    <div class="card">
        <div class="card-header">
            <div class="row">
                <div class="col-md-9">Attendance List</div>
                <div class="col-md-3 align="right">
                    <button type="button" id="chart_button" class="btn btn-primary btn-sm">Chart</button>
                    <button type="button" id="report_button" class="btn btn-danger btn-sm">Report</button>
                </div>
            </div>
        </div>
        <div class="card-body">
            <div class="table-responsive">
                <table class="table table-striped table-bordered" id="attendance_table">
                    <thead>
                        <tr>

```



```

        <input type="text" name="from_date" id="from_date" class="form-control"
placeholder="From Date" readonly />
        <span id="error_from_date" class="text-danger"></span>
        <br />
        <input type="text" name="to_date" id="to_date" class="form-control"
placeholder="To Date" readonly />
        <span id="error_to_date" class="text-danger"></span>
    </div>
</div>
</div>
<!-- Modal footer -->
<div class="modal-footer">
    <button type="button" name="create_report" id="create_report" class="btn btn-
success btn-sm">Create Report</button>
    <button type="button" class="btn btn-danger btn-sm" data-
dismiss="modal">Close</button>
</div>

</div>
</div>
</div>

<div class="modal" id="chartModal">
    <div class="modal-dialog">
        <div class="modal-content">

            <!-- Modal Header -->
            <div class="modal-header">
                <h4 class="modal-title">Create Class Attendance Chart</h4>
                <button type="button" class="close" data-dismiss="modal">&times;</button>
            </div>

            <!-- Modal body -->
            <div class="modal-body">
                <div class="form-group">
                    <select name="chart_grade_id" id="chart_grade_id" class="form-control">
                        <option value="">Select Class</option>
                        <?php
                            echo load_grade_list($connect);
                        ?>
                    </select>
                    <span id="error_chart_grade_id" class="text-danger"></span>
                </div>
                <div class="form-group">
                    <div class="input-daterange">
                        <input type="text" name="attendance_date" id="attendance_date" class="form-
control" placeholder="Select Date" readonly />
                        <span id="error_attendance_date" class="text-danger"></span>
                    </div>
                </div>
            </div>
            <!-- Modal footer -->
            <div class="modal-footer">

```

```

        <button type="button" name="create_chart" id="create_chart" class="btn btn-success btn-sm">Create Chart</button>
        <button type="button" class="btn btn-danger btn-sm" data-dismiss="modal">Close</button>
    </div>

</div>
</div>
</div>

<script>
$(document).ready(function(){

    var dataTable = $('#attendance_table').DataTable({
        "processing":true,
        "serverSide":true,
        "order":[],
        "ajax":{
            url:"attendance_action.php",
            type:"POST",
            data:{action:'fetch'}
        }
    });

    $('#.input-daterange').datepicker({
        todayBtn: "linked",
        format: "yyyy-mm-dd",
        autoclose: true,
        container: '#formModal modal-body'
    });

    $(document).on('click', '#report_button', function(){
        $('#reportModal').modal('show');
    });

    $('#create_report').click(function(){
        var grade_id = $('#grade_id').val();
        var from_date = $('#from_date').val();
        var to_date = $('#to_date').val();
        var error = 0;

        if(grade_id == '')
        {
            $('#error_grade_id').text('Class is Required');
            error++;
        }
        else
        {
            $('#error_grade_id').text('');
        }

        if(from_date == '')
        {
            $('#error_from_date').text('From Date is Required');

```

```

        error++;
    }
    else
    {
        $('#error_from_date').text('');
    }

    if(to_date == '')
    {
        $('#error_to_date').text("To Date is Required");
        error++;
    }
    else
    {
        $('#error_to_date').text('');
    }

    if(error == 0)
    {
        $('#from_date').val('');
        $('#to_date').val('');
        $('#formModal').modal('hide');
        window.open("report.php?action=attendance_report&grade_id="+grade_id+"&from_date="+from_date+"&to_date="+to_date);
    }

});

$('#chart_button').click(function(){
    $('#chart_grade_id').val('');
    $('#attendance_date').val('');
    $('#chartModal').modal('show');
});

$('#create_chart').click(function(){
    var grade_id = $('#chart_grade_id').val();
    var attendance_date = $('#attendance_date').val();
    var error = 0;
    if(grade_id == '')
    {
        $('#error_chart_grade_id').text('Class is Required');
        error++;
    }
    else
    {
        $('#error_chart_grade_id').text('');
    }
    if(attendance_date == '')
    {
        $('#error_attendance_date').text('Date is Required');
        $error++;
    }
    else
    {

```

```

        $('#error_attendance_date').text('');
    }

    if(error == 0)
    {
        $('#attendance_date').val('');
        $('#chart_grade_id').val('');
        $('#chartModal').modal('show');
        window.open("chart1.php?action=attendance_report&grade_id="+grade_id+"&date="+attendance_date);
    }

});

});
</script>

```

Attendance related actions

```

<?php

//student_action.php

include('database_connection.php');

session_start();

if(isset($_POST["action"]))
{
    if($_POST["action"] == "fetch")
    {
        $query = "
        SELECT * FROM tbl_attendance
        INNER JOIN tbl_student
        ON tbl_student.student_id = tbl_attendance.student_id
        INNER JOIN tbl_grade
        ON tbl_grade.grade_id = tbl_student.student_grade_id
        INNER JOIN tbl_teacher
        ON tbl_teacher.teacher_id = tbl_attendance.teacher_id
        ";
        if(isset($_POST["search"]["value"]))
        {
            $query .= '
            WHERE tbl_student.student_name LIKE "%'.$_POST["search"]["value"].%"
            OR tbl_student.student_roll_number LIKE "%'.$_POST["search"]["value"].%"
            OR tbl_attendance.attendance_status LIKE "%'.$_POST["search"]["value"].%"
            OR tbl_attendance.attendance_date LIKE "%'.$_POST["search"]["value"].%"
            OR tbl_teacher.teacher_name LIKE "%'.$_POST["search"]["value"].%"
            ';
        }
    }
}

```

```

if(isset($_POST["order"]))
{
    $query .= '
    ORDER BY ' . $_POST['order']['0']['column'] . ' ' . $_POST['order']['0']['dir'] . '
    ';
}
else
{
    $query .= '
    ORDER BY tbl_attendance.attendance_id DESC
    ';
}

if($_POST["length"] != -1)
{
    $query .= 'LIMIT ' . $_POST['start'] . ', ' . $_POST['length'];
}

$statement = $connect->prepare($query);
$statement->execute();
$result = $statement->fetchAll();
$data = array();
$filtered_rows = $statement->rowCount();
foreach($result as $row)
{
    $sub_array = array();
    $status = '';
    if($row["attendance_status"] == "Present")
    {
        $status = '<label class="badge badge-success">Present</label>';
    }
    if($row["attendance_status"] == "Absent")
    {
        $status = '<label class="badge badge-danger">Absent</label>';
    }
    $sub_array[] = $row["student_name"];
    $sub_array[] = $row["student_roll_number"];
    $sub_array[] = $row["grade_name"];
    $sub_array[] = $status;
    $sub_array[] = $row["attendance_date"];
    $sub_array[] = $row["teacher_name"];
    $data[] = $sub_array;
}
$output = array(
    "draw"                => intval($_POST["draw"]),
    "recordsTotal"        => $filtered_rows,
    "recordsFiltered"     => get_total_records($connect, 'tbl_attendance'),
    "data"                => $data
);

echo json_encode($output);
}

if($_POST["action"] == "index_fetch")

```



```

{
    $query = "
    SELECT * FROM tbl_student
    LEFT JOIN tbl_attendance
    ON tbl_attendance.student_id = tbl_student.student_id
    INNER JOIN tbl_grade
    ON tbl_grade.grade_id = tbl_student.student_grade_id
    INNER JOIN tbl_teacher
    ON tbl_teacher.teacher_grade_id = tbl_grade.grade_id
    ";
    if(isset($_POST["search"]["value"]))
    {
        $query .= '
        WHERE tbl_student.student_name LIKE "%'.$_POST["search"]["value"].%"
        OR tbl_student.student_roll_number LIKE "%'.$_POST["search"]["value"].%"
        OR tbl_grade.grade_name LIKE "%'.$_POST["search"]["value"].%"
        OR tbl_teacher.teacher_name LIKE "%'.$_POST["search"]["value"].%"
        ';
    }
    $query .= 'GROUP BY tbl_student.student_id ';
    if(isset($_POST["order"]))
    {
        $query .= 'ORDER BY '.$_POST['order']['0']['column'].'
        '.$_POST['order']['0']['dir'].' ';
    }
    else
    {
        $query .= 'ORDER BY tbl_student.student_name ASC ';
    }

    if($_POST["length"] != -1)
    {
        $query .= 'LIMIT ' . $_POST['start'] . ', ' . $_POST['length'];
    }

    $statement = $connect->prepare($query);
    $statement->execute();
    $result = $statement->fetchAll();
    $data = array();
    $filtered_rows = $statement->rowCount();
    foreach($result as $row)
    {
        $sub_array = array();
        $sub_array[] = $row["student_name"];
        $sub_array[] = $row["student_roll_number"];
        $sub_array[] = $row["grade_name"];
        $sub_array[] = $row["teacher_name"];
        $sub_array[] = get_attendance_percentage($connect, $row["student_id"]);
        $sub_array[] = '<button type="button" name="report_button" data-
student_id="'.$row["student_id"].'" class="btn btn-info btn-sm
report_button">Report</button>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<button type="button" name="chart_button"
data-student_id="'.$row["student_id"].'" class="btn btn-danger btn-sm
report_button">Chart</button>
        ';
    }
}

```

```

        $data[] = $sub_array;
    }

    $output = array(
        'draw'           => intval($_POST["draw"]),
        "recordsTotal"   => $filtered_rows,
        "recordsFiltered" => get_total_records($connect, 'tbl_student'),
        "data"           => $data
    );

    echo json_encode($output);
}
}
?>

```

Grade functionalities

```

<?php
//grade.php

include('header.php');

?>

<div class="container" style="margin-top:30px">
    <div class="card">
        <div class="card-header">
            <div class="row">
                <div class="col-md-9">Class List</div>
                <div class="col-md-3 align="right">
                    <button type="button" id="add_button" class="btn btn-info btn-sm">Add</button>
                </div>
            </div>
        </div>
    </div>
    <div class="card-body">
        <div class="table-responsive">
            <span id="message_operation"></span>
            <table class="table table-striped table-bordered" id="grade_table">
                <thead>
                    <tr>
                        <th>Class Name</th>
                        <th>Edit</th>
                        <th>Delete</th>
                    </tr>
                </thead>
                <tbody>

```

```

        </tbody>
    </table>
</div>
</div>
</div>
</div>
</div>

</body>
</html>

<div class="modal" id="formModal">
    <div class="modal-dialog">
        <form method="post" id="grade_form">
            <div class="modal-content">

                <!-- Modal Header -->
                <div class="modal-header">
                    <h4 class="modal-title" id="modal_title"></h4>
                    <button type="button" class="close" data-dismiss="modal">&times;</button>
                </div>

                <!-- Modal body -->
                <div class="modal-body">
                    <div class="form-group">
                        <div class="row">
                            <label class="col-md-4 text-right">Class Name <span class="text-
danger">*</span></label>
                            <div class="col-md-8">
                                <input type="text" name="grade_name" id="grade_name" class="form-control"
/>
                                <span id="error_grade_name" class="text-danger"></span>
                            </div>
                        </div>
                    </div>
                </div>

                <!-- Modal footer -->
                <div class="modal-footer">
                    <input type="hidden" name="grade_id" id="grade_id" />
                    <input type="hidden" name="action" id="action" value="Add" />

                    <input type="submit" name="button_action" id="button_action" class="btn btn-
success btn-sm" value="Add" />
                    <button type="button" class="btn btn-danger btn-sm" data-
dismiss="modal">Close</button>
                </div>
            </div>
        </form>
    </div>
</div>

<div class="modal" id="deleteModal">
    <div class="modal-dialog">
        <div class="modal-content">

```

```

<!-- Modal Header -->
<div class="modal-header">
  <h4 class="modal-title">Delete Confirmation</h4>
  <button type="button" class="close" data-dismiss="modal">&times;</button>
</div>

<!-- Modal body -->
<div class="modal-body">
  <h3 align="center">Are you sure you want to remove this?</h3>
</div>

<!-- Modal footer -->
<div class="modal-footer">
  <button type="button" name="ok_button" id="ok_button" class="btn btn-primary btn-sm">OK</button>
  <button type="button" class="btn btn-danger btn-sm" data-dismiss="modal">Close</button>
</div>

</div>
</div>
</div>

<script>
$(document).ready(function(){

var dataTable = $('#grade_table').DataTable({
  "processing":true,
  "serverSide":true,
  "order":[],
  "ajax":{
    url:"grade_action.php",
    type:"POST",
    data:{action:'fetch'}
  },
  "columnDefs":[
    {
      "targets":[0, 1, 2],
      "orderable":false,
    },
  ],
});

$('#add_button').click(function(){
  $('#modal_title').text('Add Class');
  $('#button_action').val('Add');
  $('#action').val('Add');
  $('#formModal').modal('show');
  clear_field();
});

```

```

function clear_field()
{
    $('#grade_form')[0].reset();
    $('#error_grade_name').text('');
}

$('#grade_form').on('submit', function(event){
    event.preventDefault();
    $.ajax({
        url:"grade_action.php",
        method:"POST",
        data:$(this).serialize(),
        dataType:"json",
        beforeSend:function()
        {
            $('#button_action').attr('disabled', 'disabled');
            $('#button_action').val('Validate...');
        },
        success:function(data)
        {
            $('#button_action').attr('disabled', false);
            $('#button_action').val($('#action').val());
            if(data.success)
            {
                $('#message_operation').html('<div class="alert alert-success">'+data.success+'</div>');
                clear_field();
                dataTable.ajax.reload();
                $('#formModal').modal('hide');
            }
            if(data.error)
            {
                if(data.error_grade_name != '')
                {
                    $('#error_grade_name').text(data.error_grade_name);
                }
                else
                {
                    $('#error_grade_name').text('');
                }
            }
        }
    })
});

var grade_id = '';

$(document).on('click', '.edit_grade', function(){
    grade_id = $(this).attr('id');
    clear_field();
    $.ajax({
        url:"grade_action.php",
        method:"POST",
        data:{action:'edit_fetch', grade_id:grade_id},

```

```

        dataType:"json",
        success:function(data)
        {
            $('#grade_name').val(data.grade_name);
            $('#grade_id').val(data.grade_id);
            $('#modal_title').text('Edit Class');
            $('#button_action').val('Edit');
            $('#action').val('Edit');
            $('#formModal').modal('show');
        }
    })
});

$(document).on('click', '.delete_grade', function(){
    grade_id = $(this).attr('id');
    $('#deleteModal').modal('show');
});

$('#ok_button').click(function(){
    $.ajax({
        url:"grade_action.php",
        method:"POST",
        data:{grade_id:grade_id, action:'delete'},
        success:function(data)
        {
            $('#message_operation').html('<div class="alert alert-success">'+data+'</div>');
            $('#deleteModal').modal('hide');
            dataTable.ajax.reload();
        }
    })
});
});
</script>

```

Grade related actions

```

<?php

//grade_action.php

include('database_connection.php');

session_start();

$output = '';

if(isset($_POST["action"]))
{
    if($_POST["action"] == "fetch")

```

```

{
    $query = "SELECT * FROM tbl_grade ";
    if(isset($_POST["search"]["value"]))
    {
        $query .= 'WHERE grade_name LIKE "%'.$_POST["search"]["value"].'%" ';
    }
    if(isset($_POST["order"]))
    {
        $query .= 'ORDER BY '.$_POST['order']['0']['column'].'
'.$_POST['order']['0']['dir'].' ';
    }
    else
    {
        $query .= 'ORDER BY grade_name ';
    }
    if($_POST["length"] != -1)
    {
        $query .= 'LIMIT ' . $_POST['start'] . ', ' . $_POST['length'];
    }

    $statement = $connect->prepare($query);
    $statement->execute();
    $result = $statement->fetchAll();
    $data = array();
    $filtered_rows = $statement->rowCount();
    foreach($result as $row)
    {
        $sub_array = array();
        $sub_array[] = $row["grade_name"];
        $sub_array[] = '<button type="button" name="edit_grade" class="btn btn-primary
btn-sm edit_grade" id="'.$row["grade_id"].'">Edit</button>';
        $sub_array[] = '<button type="button" name="delete_grade" class="btn btn-
danger btn-sm delete_grade" id="'.$row["grade_id"].'">Delete</button>';
        $data[] = $sub_array;
    }

    $output = array(
        "draw"          => intval($_POST["draw"]),
        "recordsTotal"   => $filtered_rows,
        "recordsFiltered" => get_total_records($connect, 'tbl_grade'),
        "data"          => $data
    );
}

if($_POST["action"] == 'Add' || $_POST["action"] == "Edit")
{
    $grade_name = '';
    $error_grade_name = '';
    $error = 0;
    if(empty($_POST["grade_name"]))
    {
        $error_grade_name = 'Class Name is required';
        $error++;
    }
}

```

```

}
else
{
    $grade_name = $_POST["grade_name"];
}
if($error > 0)
{
    $output = array(
        'error' => true,
        'error_grade_name' => $error_grade_name
    );
}
else
{
    if($_POST["action"] == "Add")
    {
        $data = array(
            ':grade_name' => $grade_name
        );
        $query = "
        INSERT INTO tbl_grade
        (grade_name)
        SELECT * FROM (SELECT :grade_name) as temp
        WHERE NOT EXISTS (
            SELECT grade_name FROM tbl_grade WHERE grade_name = :grade_name
        ) LIMIT 1
        ";
        $statement = $connect->prepare($query);
        if($statement->execute($data))
        {
            if($statement->rowCount() > 0)
            {
                $output = array(
                    'success' => 'Data Added Successfully',
                );
            }
            else
            {
                $output = array(
                    'error' => true,
                    'error_grade_name' => 'Class Name Already Exists'
                );
            }
        }
    }
    if($_POST["action"] == "Edit")
    {
        $data = array(
            ':grade_name' => $grade_name,
            ':grade_id' => $_POST["grade_id"]
        );

        $query = "
        UPDATE tbl_grade

```



```

        SET grade_name = :grade_name
        WHERE grade_id = :grade_id
        ";
        $statement = $connect->prepare($query);
        if($statement->execute($data))
        {
            $output = array(
                'success' => 'Data Updated Successfully',
            );
        }
    }
}

if($_POST["action"] == "edit_fetch")
{
    $query = "
    SELECT * FROM tbl_grade WHERE grade_id = '".$_POST["grade_id"]."'
    ";
    $statement = $connect->prepare($query);
    if($statement->execute())
    {
        $result = $statement->fetchAll();
        foreach($result as $row)
        {
            $output["grade_name"] = $row["grade_name"];
            $output["grade_id"] = $row["grade_id"];
        }
    }
}

if($_POST["action"] == "delete")
{
    $query = "
    DELETE FROM tbl_grade
    WHERE grade_id = '".$_POST["grade_id"]."'
    ";
    $statement = $connect->prepare($query);
    if($statement->execute())
    {
        echo 'Data Deleted Successfully';
    }
}

echo json_encode($output);
}

?>

```

Chart report logic

```
<?php

//chart.php

include('header.php');

$present_percentage = 0;
$absent_percentage = 0;
$total_present = 0;
$total_absent = 0;
$output = "";

$query = "
SELECT * FROM tbl_attendance
WHERE student_id = '". $_GET['student_id']."'
AND attendance_date >= '". $_GET["from_date"]."'
AND attendance_date <= '". $_GET["to_date"]."'
";

$statement = $connect->prepare($query);

$statement->execute();

$result = $statement->fetchAll();

$total_row = $statement->rowCount();

foreach($result as $row)
{
    $status = '';
    if($row["attendance_status"] == "Present")
    {
        $total_present++;
        $status = '<span class="badge badge-success">Present</span>';
    }

    if($row["attendance_status"] == "Absent")
    {
        $total_absent++;
        $status = '<span class="badge badge-danger">Absent</span>';
    }

    $output .= '
        <tr>
            <td>'.$row["attendance_date"].'</td>
            <td>'.$status.'</td>
        </tr>
    ';

    $present_percentage = ($total_present/$total_row) * 100;
```



```

<script type="text/javascript" src="https://www.gstatic.com/charts/loader.js"></script>

<script type="text/javascript">

    google.charts.load('current', {'packages':['corechart']});

    google.charts.setOnLoadCallback(drawChart);

    function drawChart()
    {
        var data = google.visualization.arrayToDataTable([
            ['Attendance Status', 'Percentage'],
            ['Present', <?php echo $present_percentage; ?>],
            ['Absent', <?php echo $absent_percentage; ?>]
        ]);

        var options = {
            title : 'Overall Attendance Analytics',
            hAxis : {
                title: 'Percentage',
                minValue: 0,
                maxValue: 100
            },
            vAxis : {
                title: 'Attendance Status'
            }
        };

        var chart = new
google.visualization.PieChart(document.getElementById('attendance_pie_chart'));

        chart.draw(data, options);
    }

</script>

```

PDF report logic

```

<?php

//pdf.php

require_once 'dompdf/autoload.inc.php';

use Dompdf\Dompdf;

class Pdf extends Dompdf
{
    public function __construct()
    {

```

```
        parent::__construct();
    }
}

?>
```

Logout

```
<?php

//logout.php

session_start();

session_destroy();

header('location:login.php');

?>
```

Database connection

```
<?php

//database_connection.php

$connect = new PDO("mysql:host=localhost;dbname=attendance","root","");

$base_url = "http://localhost/Attendance System/";

function get_total_records($connect, $table_name)
{
    $query = "SELECT * FROM $table_name";
    $statement = $connect->prepare($query);
    $statement->execute();
    return $statement->rowCount();
}

function load_grade_list($connect)
{
    $query = "
    SELECT * FROM tbl_grade ORDER BY grade_name ASC
    ";
    $statement = $connect->prepare($query);
    $statement->execute();
}
```

```

$result = $statement->fetchAll();
$output = '';
foreach($result as $row)
{
    $output .= '<option value="'. $row["grade_id"].">' . $row["grade_name"].'</option>';
}
return $output;
}

function get_attendance_percentage($connect, $student_id)
{
    $query = "
    SELECT
        ROUND((SELECT COUNT(*) FROM tbl_attendance
        WHERE attendance_status = 'Present'
        AND student_id = '". $student_id. "')
        * 100 / COUNT(*)) AS percentage FROM tbl_attendance
    WHERE student_id = '". $student_id. "'
    ";

    $statement = $connect->prepare($query);
    $statement->execute();
    $result = $statement->fetchAll();
    foreach($result as $row)
    {
        if($row["percentage"] > 0)
        {
            return $row["percentage"] . '%';
        }
        else
        {
            return 'NA';
        }
    }
}

function Get_student_name($connect, $student_id)
{
    $query = "
    SELECT student_name FROM tbl_student
    WHERE student_id = '". $student_id. "'
    ";

    $statement = $connect->prepare($query);

    $statement->execute();

    $result = $statement->fetchAll();

    foreach($result as $row)
    {
        return $row["student_name"];
    }
}

```

```

function Get_student_grade_name($connect, $student_id)
{
    $query = "
    SELECT tbl_grade.grade_name FROM tbl_student
    INNER JOIN tbl_grade
    ON tbl_grade.grade_id = tbl_student.student_grade_id
    WHERE tbl_student.student_id = '$student_id.'"
    ";
    $statement = $connect->prepare($query);
    $statement->execute();
    $result = $statement->fetchAll();
    foreach($result as $row)
    {
        return $row['grade_name'];
    }
}

```

```

function Get_student_teacher_name($connect, $student_id)
{
    $query = "
    SELECT tbl_teacher.teacher_name
    FROM tbl_student
    INNER JOIN tbl_grade
    ON tbl_grade.grade_id = tbl_student.student_grade_id
    INNER JOIN tbl_teacher
    ON tbl_teacher.teacher_grade_id = tbl_grade.grade_id
    WHERE tbl_student.student_id = '$student_id.'"
    ";
    $statement = $connect->prepare($query);
    $statement->execute();
    $result = $statement->fetchAll();
    foreach($result as $row)
    {
        return $row["teacher_name"];
    }
}

```

```

function Get_grade_name($connect, $grade_id)
{
    $query = "
    SELECT grade_name FROM tbl_grade
    WHERE grade_id = '$grade_id.'"
    ";
    $statement = $connect->prepare($query);
    $statement->execute();
    $result = $statement->fetchAll();
    foreach($result as $row)
    {
        return $row["grade_name"];
    }
}

```

```

?>

```

Database tables

phpMyAdmin

Recent Favorites

New

attendance

New

tbl_admin

tbl_attendance

tbl_grade

tbl_student

tbl_teacher

information_schema

mysql

performance_schema

phpmyadmin

test

Server: 127.0.0.1 > Database: attendance

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Tracking Designer

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> tbl_admin		1	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_attendance		154	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_grade		7	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_student		2	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_teacher		2	InnoDB	latin1_swedish_ci	16.0 KiB	-
5 tables Sum		166	InnoDB	utf8mb4_general_ci	80.0 KiB	0 B

☐ Check all With selected:

Print

Data dictionary

Create table