**CSS FILES**

**DASHBOARD.CSS**

.logo {

  width: 150px;

  height: 150px;

}

.dashboard {

  margin-top: 20px;

  padding: 100px;

  border-radius: 30px;

  box-shadow: 0px 2px 12px 2px rgba(0, 0, 0, 0.2);

  display: flex;

  justify-content: space-between;

  align-items: center;

  background-color:rgb(255, 255, 255);

}

.metric {

  text-align: center;

}

.metric .value {

  font-size: 1rem;

  font-weight: bold;

  margin-bottom: 20px;

}

.metric .label {

  font-size: 20px;

  font-family: consolas;

  font-weight: bold;

  background-color: rgb(255, 255, 255);

}

**INDEX.CSS**

.navbar-brand img {

  max-width: 3em;

  height: auto;

}

.navbar-nav {

  display: flex;

  flex-wrap: wrap;

  font-size: 20px;

  font-family: "Gill Sans", "Gill Sans MT", Calibri, "Trebuchet MS", sans-serif;

}

.navbar {

  height: 65px;

  border-bottom: 4px solid #000000;

}

.sidebar {

  position: fixed;

  top: 64px;

  bottom: 0;

  left: 0;

  overflow-x: hidden;

  transition: 0.5s;

  padding: 10px;

  border-right: 4px solid #000000;

  background-color: rgb(255, 255, 255);

}

.nav-item {

  border-bottom: 3px solid #000000;

  margin: 0;

  text-align: left;

}

.nav-link {

  font-weight: bold;

  font-family: Consolas, monospace;

  color: rgb(8, 0, 255) !important;

  background-color:rgb(255, 255, 255);

}

.navbar-brand-label {

  color: #050505;

  font-size: 25px;

  font-family: Arial, sans-serif;

  font-weight: bold;

}

.navbar-brand {

  display: flex;

  align-items: center;

}

.hover-color:hover {

  background-color: rgb(186, 186, 186); /\* Change the color to your desired hover color \*/

}

.btn-success {

  background-color: #4bb543;

  border: none;

  border-radius: 10px;

  box-shadow: 5px 5px 20px rgba(0, 0, 0, 0.1);

  padding: 10px 15px;

}

**LOGIN.CSS**

    body {

        background-repeat: repeat;

        background-position: center;

    }

    .text-shadow {

      text-shadow: 2px 2px 4px rgba(3, 0, 2, 0.1);

    }

**PHP FILES**

**automated\_schedule.php**

    <?php

    include 'database\_connection.php';

    include 'index.php';

// Check the number of rows in the rooms table, course table, and available\_days table

$sql = "SELECT COUNT(\*) AS room\_count FROM rooms";

$result = mysqli\_query($conn, $sql);

$row = mysqli\_fetch\_assoc($result);

$roomCount = $row['room\_count'];

$sql = "SELECT COUNT(\*) AS courses\_count FROM courses";

$result = mysqli\_query($conn, $sql);

$row = mysqli\_fetch\_assoc($result);

$courses\_count = $row['courses\_count'];

$sql = "SELECT COUNT(\*) AS day\_count FROM available\_days";

$result = mysqli\_query($conn, $sql);

$row = mysqli\_fetch\_assoc($result);

$day\_count = $row['day\_count'];

if ($roomCount < 10 || $courses\_count <= 1 || $day\_count < 4) {

    if ($courses\_count <= 1) {

        echo '<script>alert("Required number of courses is 2");</script>';

        echo "<script>window.location.href = 'course\_list.php';</script>";

    } elseif ($day\_count < 4) {

        echo '<script>alert("Required number of days is 4");</script>';

        echo "<script>window.location.href = 'dashboard.php';</script>";

    } else {

        echo '<script>alert("[Required Course = 2|\n|Required Rooms = 10]\n[Required Days = 4]");</script>';

        echo "<script>window.location.href = 'dashboard.php';</script>";

    }

} else {

    // Function to check if a teacher is available at the given day and time

    function isTeacherAvailable($teacher, $day, $start\_time, $end\_time)

    {

        global $conn;

        $sql = "SELECT \* FROM faculty\_loadings WHERE teacher = '$teacher' AND day = '$day' AND (start\_time < '$end\_time' AND end\_time > '$start\_time')";

        $result = mysqli\_query($conn, $sql);

        return mysqli\_num\_rows($result) == 0;

    }

    // Function to check if a room is available at the given day and time

    function isRoomAvailable($room\_name, $day, $start\_time, $end\_time)

    {

        global $conn;

        $sql = "SELECT \* FROM faculty\_loadings WHERE room\_name = '$room\_name' AND day = '$day' AND (start\_time < '$end\_time' AND end\_time > '$start\_time')";

        $result = mysqli\_query($conn, $sql);

        return mysqli\_num\_rows($result) == 0;

    }

    // Function to check if there is a conflict in course\_year\_section

    function isCourseYearSectionConflict($course\_year\_section, $day, $start\_time, $end\_time)

    {

        global $conn;

        $sql = "SELECT \* FROM faculty\_loadings WHERE course\_year\_section = '$course\_year\_section' AND day = '$day' AND (start\_time < '$end\_time' AND end\_time > '$start\_time')";

        $result = mysqli\_query($conn, $sql);

        return mysqli\_num\_rows($result) > 0;

    }

    // Function to assign timeslots to courses using backtracking

    function assignTimeslots($courses)

    {

        global $conn;

        // Base case: If all courses have been assigned timeslots, return true

        if (empty($courses)) {

            return true;

        }

        // Select the first course from the list and remove it from the array

        $course = array\_shift($courses);

        $subjectHours = $course['subject\_hours'];

        // Retrieve a timeslot with the corresponding duration

        $duration = '';

        if ($subjectHours == 1) {

            $duration = "01:00:00";

        } elseif ($subjectHours == 1.5) {

            $duration = "01:30:00";

        } elseif ($subjectHours == 2) {

            $duration = "02:00:00";

        } elseif ($subjectHours == 3) {

            $duration = "03:00:00";

        }

        // Retrieve available timeslots with the same duration

        $timeslot\_sql = "SELECT \* FROM timeslots WHERE TIMEDIFF(end\_time, start\_time) = '$duration'";

        $timeslot\_result = mysqli\_query($conn, $timeslot\_sql);

        // Check for SQL query error

        if (!$timeslot\_result) {

            die('Error retrieving timeslots: ' . mysqli\_error($conn));

        }

        while ($timeslot\_row = mysqli\_fetch\_assoc($timeslot\_result)) {

            // Retrieve the subject type of the course

            $subject\_type = $course['subject\_type'];

            // Retrieve an available room with the same room type and subject type

            $room\_sql = "SELECT room\_name FROM rooms WHERE room\_type = '$subject\_type' ORDER BY RAND()";

            $room\_result = mysqli\_query($conn, $room\_sql);

            // Check for SQL query error

            if (!$room\_result) {

                die('Error retrieving rooms: ' . mysqli\_error($conn));

            }

            // Loop through each available room

            while ($room\_row = mysqli\_fetch\_assoc($room\_result)) {

                $room\_name = $room\_row['room\_name'];

                // Randomly select a day from available\_days

                $day\_sql = "SELECT day FROM available\_days ORDER BY RAND()";

                $day\_result = mysqli\_query($conn, $day\_sql);

                // Check for SQL query error

                if (!$day\_result) {

                    die('Error retrieving days: ' . mysqli\_error($conn));

                }

                // Loop through each available day

                while ($day\_row = mysqli\_fetch\_assoc($day\_result)) {

                    $day = $day\_row['day'];

                    // Check if the teacher, room, and course year section are available at the selected day and timeslot

                    if (isTeacherAvailable($course['teacher'], $day, $timeslot\_row['start\_time'], $timeslot\_row['end\_time']) &&

                        isRoomAvailable($room\_name, $day, $timeslot\_row['start\_time'], $timeslot\_row['end\_time']) &&

                        !isCourseYearSectionConflict($course['course\_year\_section'], $day, $timeslot\_row['start\_time'], $timeslot\_row['end\_time'])) {

                        // Assign the timeslot, day, room name, and room type to the course

                        $update\_sql = "UPDATE faculty\_loadings SET start\_time = '{$timeslot\_row['start\_time']}', end\_time = '{$timeslot\_row['end\_time']}', day = '$day', room\_name = '$room\_name' WHERE id = {$course['id']}";

                        mysqli\_query($conn, $update\_sql);

                        // Recursively assign timeslots to the remaining courses

                        $success = assignTimeslots($courses);

                        // If a valid assignment is found for all courses, return true

                        if ($success) {

                            //echo '<script>alert("Generated successfully!");</script>'; PROMPT AFTER SUCCESSFUL LOGIN

                            return true;

                        }

                        // If the assignment was not successful, backtrack by resetting the timeslot, day, room name, and room type

                        $update\_sql = "UPDATE faculty\_loadings SET start\_time = NULL, end\_time = NULL, day = NULL, room\_name = NULL WHERE id = {$course['id']}";

                        mysqli\_query($conn, $update\_sql);

                    }

                }

            }

        }

        // If no valid assignment is found, return false

        return false;

    }

    // Check if the faculty\_loadings table is empty

    $sql = "SELECT COUNT(\*) AS count FROM faculty\_loadings";

    $result = mysqli\_query($conn, $sql);

    $row = mysqli\_fetch\_assoc($result);

    $count = $row['count'];

    // SQL query to select data from the table where start\_time is empty

    $sql\_start\_time = "SELECT \* FROM faculty\_loadings WHERE start\_time IS NULL";

    $result\_start\_time = mysqli\_query($conn, $sql\_start\_time);

    $button\_disabled = "";

    if ($count == 0) {

        // The faculty\_loadings table is empty

        $button\_disabled = "disabled";

        $button\_text = "Generate";

    } elseif ($result\_start\_time->num\_rows > 0) {

        // The start\_time column is empty for some rows

        while ($row = mysqli\_fetch\_assoc($result\_start\_time)) {

            // Process each row of data

            $columnValue = $row["start\_time"];

            // Retrieve the updated value from the database

            $select\_sql = "SELECT start\_time FROM faculty\_loadings WHERE id = " . $row["id"];

            $result\_updated\_start\_time = mysqli\_query($conn, $select\_sql);

            $updated\_start\_time = mysqli\_fetch\_assoc($result\_updated\_start\_time)["start\_time"];

            // Check if the start\_time value is not null

            if ($updated\_start\_time !== null) {

                // Additional processing or output

                $button\_text = "Regenerate";

            } else {

                $button\_text = "Generate";

            }

        }

    } else {

        // The start\_time column is not empty for any rows

        $button\_text = "Regenerate";

    }

    // Check if the button was clicked

    if (isset($\_POST['assign\_timeslots'])) {

        // Retrieve the data from the faculty\_loading table

        $sql = "SELECT \* FROM faculty\_loadings";

        $result = mysqli\_query($conn, $sql);

        // Check for SQL query error

        if ($result) {

            // Store the courses in an array

            $courses = array();

            while ($row = mysqli\_fetch\_assoc($result)) {

                $courses[] = $row;

            }

            // Call the backtrack function to assign timeslots to the courses

            $success = assignTimeslots($courses);

            if ($success) {

                echo '<script type="text/javascript">';

                echo ' alert("Schedule is Generated Successfully without conflicts!");';

                echo '</script>';

            } else {

                echo '<script type="text/javascript">';

                echo ' alert("Unable to assign timeslots without conflicts.");';

                echo '</script>';

            }

        } else {

            die('Error retrieving faculty\_loadings data: ' . mysqli\_error($conn));

        }

    }

    // Check if the faculty\_loading table is not empty

    if ($count > 0) {

        // Display the timetable

        echo '

        <!DOCTYPE html>

        <html>

        <head>

            <title>Faculty Loading System</title>

            <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.0.2/css/bootstrap.min.css">

        <style>

        .table-bordered {

            border:.2rem solid;

            text-align:center;

            vertical-align:middle;

        }

        @media print {

            body {

                visibility: hidden;

            .print-page {

                visibility: visible;

                width: 210mm;

                height: 297mm;

                margin: 0 auto;

                padding: 20mm;

                box-sizing: border-box;

                page-break-after: always;

            }

        }

    </style>

    </head>

    <body>

    <div class="container print-page ">

    <h1 style="  text-shadow: 4px 2px 3px rgba(0, .5, 0, .80);" class="fw-bolder text-center text-warning mt-3 text-outline">AUTOMATED SCHEDULING</H1>

    <div class="containe-fluid text-center "><form method="post">

    <button type="submit" name="assign\_timeslots" id="buttonGenerate" class="btn btn-primary mt-4" ' . $button\_disabled . '>' . $button\_text . '</button>

    <button type="button" class=" mt-4 btn btn-danger" id="truncate">Delete Generated Schedule</button>

    </form></div>

    <table class="table mt-4 print-table table-bordered table table-hover table-sm">

        <thead class="thead-dark bg-success text-light fw-bolder text-light">

        <tr>

            <th>Time</th>'; // Empty cell for spacing

        // Loop through the days (Monday to Friday)

        $days = array('Monday', 'Tuesday', 'Wednesday', 'Thursday','Friday');

        foreach ($days as $day) {

            echo "<th>{$day}</th>";

        }

        echo '</tr>

                </thead>

                <tbody style="font-size:1rem;">';

        // Loop through the time slots MODIFY THIS IF YOU WANT TO ADD TIME RANGE

        $start\_time = strtotime('07:00:00');

        $end\_time = strtotime('19:00:00');

        while ($start\_time < $end\_time) {

            $end\_time\_formatted = date('h:i A', strtotime('+30 minutes', $start\_time));

            echo "<tr>";

            echo "<th>" . date('h:i A', $start\_time) . " - " . $end\_time\_formatted . "</th>";

            // Loop through the days (Monday to Friday)

            foreach ($days as $day) {

                echo '<td>';

                // Retrieve the data from the faculty\_loading table for the current day and time interval

                $sql = "SELECT \* FROM faculty\_loadings WHERE day = '$day' AND start\_time <= '" . date('H:i:s', $start\_time) . "' AND end\_time > '" . date('H:i:s', $start\_time) . "'";

                $result = mysqli\_query($conn, $sql);

                // Check for SQL query error

                if ($result) {

                    $combined\_data = '';

                    while ($row = mysqli\_fetch\_assoc($result)) {

                        $combined\_data .= '<div class="text-center">' . $row['teacher'] . '<br>' . $row['subject\_code'] . '<br>' . $row['course\_year\_section'] . '<br>' . $row['room\_name'] . '<br><br></div>';

                    }

                    echo $combined\_data;

                } else {

                    die('Error retrieving faculty\_loadings data: ' . mysqli\_error($conn));

                }

                echo '</td>';

            }

            echo '</tr>';

            $start\_time = strtotime('+30 minutes', $start\_time);

        }

        echo '</tbody>

            </table>

    <div>

        </body>

        </html>';

    } else {

        echo "<script>alert('No data available!\\nPlease add data to the faculty\_loadings table.');</script>";

        echo "<script>window.location.href = 'faculty\_loading\_list.php';</script>";

    }

    }

    ?>

    <!-- DELETE SCHED AJAX -->

    <script>

        $(document).ready(function () {

            $('#truncate').click(function () {

                if (confirm("Are you sure you want to delete the generated schedule?")) {

                    $.ajax({

                        url: "delete\_generated\_sched.php", // the PHP script that truncates the table

                        success: function (response) {

                            alert(response); // show the response message from the PHP script

                            location.reload(); // reload the page

                        }

                    });

                }

            });

        });

    </script>

    <script>

    $(document).ready(function () {

    $('#buttonGenerate').click(function () {

        if (confirm("Are you sure you want to generate the schedule?")) {

        $.ajax({

            url: "automated\_schedule.php",

            success: function () {

                alert("Please wait for approximately 1 to 3 minutes while the schedule is being generated.");

            location.reload();

            },

            error: function (xhr, status, error) {

            alert("An error occurred while generating the schedule. Please try again later.");

            console.log(xhr.responseText);

            }

        });

        }

    });

    });

    </script>

**course\_create.php**

<?php

//include the db connection php file.

include 'database\_connection.php';

include 'index.php';

// Check if user is not logged in

if (!isset($\_SESSION['user\_id'])) {

    header("Location: login.php");

    exit;

}

// Inserting data for courses table

if (isset($\_POST['submit'])) {

    $course\_name = mysqli\_real\_escape\_string($conn,$\_POST['course\_name']);

    $slots = mysqli\_real\_escape\_string ($conn,$\_POST['slots']);

    // Check if data already exists in the database

    $sql = "SELECT \* FROM courses WHERE course\_name = '$course\_name'";

    $result = mysqli\_query($conn, $sql);

    if (mysqli\_num\_rows($result) > 0) {

        // Data already exists in the database, display an error message

        echo '<script type="text/javascript">';

        echo ' alert("Course already exists!")';

        echo '</script>';

    } else {

        // Data does not exist in the database, insert the data into the table

        $sql = "INSERT INTO courses (course\_name, slots) VALUES ('$course\_name', '$slots')";

        if (mysqli\_query($conn, $sql)) {

            echo '<script type="text/javascript">';

            echo ' alert("New record added successfully!");';

            echo ' window.location.href = "course\_list.php";';

            echo '</script>';

            exit; // Make sure to exit after the redirect

        } else {

            echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

        }

    }

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/dashboard.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

    </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

    </script>

</head>

<body>

    <title>Add Course</title>

    <div class="container mt-3" >

        <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">ADD COURSE</H1>

        <form method="post" class="fw-bolder">

            <div class="mb-3 mt-3">

                <label for="course\_name" class="form-label">Course Name</label>

                <input type="text" class="form-control" id="course\_name" placeholder="Enter Course name"

                    name="course\_name" required>

            </div>

            <div class="mb-3">

                <label for="slots" class="form-label">Slots</label>

                <input type="number" class="form-control" id="slots" placeholder="Slots"

                    name="slots" required>

            </div>

            <button type="submit" class="btn btn-primary" name="submit">Create</button>

            <a href="course\_list.php" class="btn btn-danger" name="back">Back</a>

        </form>

    </div>

</body>

</html>

**course\_list.php**

<?php

include 'database\_connection.php';

include 'index.php';

// Delete course if delete\_id is set in the URL parameters

if (isset($\_GET['delete\_id'])) {

    $id = $\_GET['delete\_id'];

    $sql = "DELETE FROM courses WHERE id='$id'";

    if ($conn->query($sql) === TRUE) {

        echo "<script>alert('Course deleted successfully');</script>";

        echo "<script>window.location.href = 'course\_list.php';</script>";

    } else {

        echo "Error deleting record: " . $conn->$error;

    }

}

// Execute search query if search form is submitted

if (isset($\_POST['search'])) {

    $search\_term = $\_POST['search'];

    $query = "SELECT \* FROM courses WHERE course\_name LIKE '%$search\_term%'";

    $result = $conn->query($query);

} else {

    $query = "SELECT \* FROM courses";

    $result = $conn->query($query);

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/courses.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

    </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

    </script>

</head>

<body>

    <div class="container" style="background-color:#FAF8FF">

        <div class="container">

        <h1 style="text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">COURSE LIST</H1>

            <form method="POST">

                <div class="input-group mb-3">

                    <input type="text" class="form-control rounded" placeholder="Search by Course name"

                        name="search">

                    <button type="submit" class="btn btn-primary">Search</button>

                </div>

                <a href="course\_create.php" class="btn btn-success mb-3"><i class='fas fa-user-plus'></i> Add Course</a>

            </form>

            <table class="table table-bordered table-hover text-center" style="border:1px solid black">

                 <thead class="bg-warning">

                    <tr>

                        <th>No.</th>

                        <th>Course Name</th>

                        <th>Slots</th>

                        <th>Action</th>

                    </tr>

                </thead>

                <tbody style="font-size:1.2rem;font-family:monospace">

                    <?php

                    if ($result->num\_rows > 0) {

                        // output data of each row

                        $i = 1;

                        while ($row = $result->fetch\_assoc()) {

                            echo "<tr>";

                            echo "<td>" . $i . "</td>";

                            echo "<td>" . $row["course\_name"] . "</td>";

                            echo "<td>" . $row["slots"] . "</td>";

                            echo "<td>";

                            echo "<a href='course\_update.php?id=" . $row["id"] . "' class='btn btn-primary btn-sm'>Update<i class='fas fa-edit'></i></a>&nbsp";

                            echo "<a href='" . $\_SERVER['PHP\_SELF'] . "?delete\_id=" . $row["id"] . "' class='btn btn-danger btn-sm' onclick=\"return confirm('Are you sure you want to delete this teacher?')\">Delete<i class='fas fa-trash'></i></a>";

                            echo "</td>";

                            echo "</tr>";

                            $i++;

                        }

                    } else {

                        echo "<tr><td colspan='5'>No courses found</td></tr>";

                    }

                    ?>

                </tbody>

            </table>

        </div>

    </div>

</body>

</html>

**course\_update.php**

<?php

// include the database connection file

include 'database\_connection.php';

include 'index.php';

// Fetching data from the database

if (isset($\_GET['id'])) {

    $id = mysqli\_real\_escape\_string($conn, $\_GET['id']);

    $sql = "SELECT \* FROM courses WHERE id ='$id'";

    $result = mysqli\_query($conn, $sql);

    if ($result && mysqli\_num\_rows($result) > 0) {

        $row = mysqli\_fetch\_assoc($result);

    } else {

        // If there was an error in the query, display an error message and exit

        echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

        exit();

    }

}

// Updating data in the database

if (isset($\_POST['update'])) {

    // First, retrieve the data from the form and sanitize it

    $id = mysqli\_real\_escape\_string($conn, $\_POST['id']);

    $course\_name = mysqli\_real\_escape\_string($conn, $\_POST['course\_name']);

    $slots = mysqli\_real\_escape\_string($conn, $\_POST['slots']);

    // Then, check if the Course name, start date and end date already exists in the database

    $sql = "SELECT \* FROM courses WHERE course\_name='$course\_name'";

    $result = mysqli\_query($conn, $sql);

    if (mysqli\_num\_rows($result) > 0) {

        // If the Course with the same name, start date and end date already exists, display an error message

        echo '<script type="text/javascript">';

        echo ' alert("Course name already exists!")';

        echo '</script>';

    } else {

        // If the Course with the same name, start date and end date does not exist, update the data in the database

        $sql = "UPDATE courses SET course\_name='$course\_name', slots ='$slots' WHERE id='$id'";

        if (mysqli\_query($conn, $sql)) {

            // Data updated successfully, display an alert message and redirect to Course\_list.php

            echo '<script type="text/javascript">';

            echo ' alert("Record updated successfully!");';

            echo ' window.location.href = "course\_list.php";';

            echo '</script>';

            exit; // Make sure to exit after the redirect

        } else {

            echo "Error updating record: " . mysqli\_error($conn);

        }

    }

}

?>

<!doctype html>

<html lang="en">

    <head>

        <!-- Required meta tags -->

        <meta charset="utf-8">

        <meta name="viewport" content="width=device-width, initial-scale=1">

        <!-- CDN Bootstrap CSS -->

        <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

            integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

        <!--External CSS-->

        <link rel="stylesheet" href="css/course.css">

        <!-- CDN Bootstrap JS -->

        <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

            integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

            </script>

        <!-- CDN jquery -->

        <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

        <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

            integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

        <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

            integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

            </script>

    </head>

<body>

    <div class="container mt-3">

    <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">UPDATE COURSE DETAILS</H1>

        <!-- Display the data of the selected Course in the form fields -->

        <form method="POST" action="">

            <input type="hidden" name="id" value="<?php echo $row['id']; ?>">

            <div class="mb-3">

                <label for="course\_name" class="form-label">Course Name</label>

                <input type="text" class="form-control" id="course\_name" name="course\_name"

                    value="<?php echo $row['course\_name']; ?>">

            </div>

            <div class="mb-3">

                <label for="slots" class="form-label">Course Slots</label>

                <input type="number" class="form-control" id="slots" name="slots"

                    value="<?php echo $row['slots']; ?>">

            </div>

                <button type="submit" name="update" class="btn btn-primary">Update</button>

                <a href="course\_list.php" class="btn btn-danger">Back</a>

        </form>

    </div>

</body>

</html>

**dashboard.php**

<?php

include 'database\_connection.php';

include 'index.php';

// Check if user is not logged in

if (!isset($\_SESSION['user\_id'])) {

    header("Location: login.php");

    exit;

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/dashboard.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

        </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

        </script>

    <title>Dashboard Page</title>

</head>

<!-- System Description-->

<div id="description\_system"

    style="box-shadow: 0 0 10px rgba(0, 0, 0, 0.5);background: radial-gradient(circle at 24.1% 68.8%, rgb(50, 50, 50) 0%, rgb(0, 0, 0) 99.4%);;font-size:1.2rem;"

    class="container-fluid p-3 text-center">

    <?php

    $user\_id = $\_SESSION['user\_id'];

    $sql = "SELECT \* FROM users WHERE id='$user\_id'";

    $result = mysqli\_query($conn, $sql);

    $user\_data = mysqli\_fetch\_assoc($result);

    $user\_name = $user\_data['name'];

    echo "<h3 style='font-family:monospace;' class='fw-bolder text-warning'>Automated Timetable Scheduling System (ATS)</h3>";

    ?>

    <div class="mt-4">

        <ul class="list-unstyled text-white ">

            <em>

                Automated Timetable Scheduling System (ATS) is a web-based application developed for the Department

                of Computer Studies at Cavite State University CCAT Campus. Its main purpose is to automate the

                scheduling process, ensuring that schedules for teachers, students, and rooms are conflict-free. ATS

                considers various constraints such as the duration of each timeslot should be based on subject hours. It

                also assigns appropriate rooms for different subjects based on subject type and room type. By automating

                the scheduling process, ATS aims to generate an optimized schedule that maximizes efficiency, minimizes

                conflicts, and reduces the time required to create schedules.

            </em>

        </ul>

    </div>

    <button type="button" id="button\_close" class="btn-close btn-close-white" data-bs-dismiss="alert"

        aria-label="Close"></button>

</div>

<div class="container-fluid">

    <div class="row justify-content-center" style="margin-right:0px;margin-left:190px;">

        <!-- TEACHER DASHBOARD -->

        <div class="col-5">

            <div class="dashboard hover-color">

                <?php

                $query = "SELECT COUNT(\*) AS total\_teachers FROM teachers";

                $result = mysqli\_query($conn, $query);

                if ($result) {

                    $row = mysqli\_fetch\_assoc($result);

                    $total\_teachers = $row['total\_teachers'];

                } else {

                    $total\_teachers = "N/A";

                }

                ?>

                <img class="logo" src="logos/teacher.png" alt="ATS">

                <div class="metric rounded-circle">

                    <div class="value">

                        <?php echo '<div class="display-2 fw-bolder text-dark">' . $total\_teachers . '</div>'; // Replace display-1 with the desired size class.?>

                    </div>

                    <div class="card-body ">

                        <div class="label text-dark">Total Teachers</div>

                    </div>

                </div>

            </div>

        </div>

        <!--  COURSE DASHBOARD-->

        <div class="col-5">

            <div class="dashboard hover-color">

                <?php

                $query = "SELECT COUNT(\*) AS total\_course FROM courses";

                $result = mysqli\_query($conn, $query);

                if ($result) {

                    $row = mysqli\_fetch\_assoc($result);

                    $total\_course = $row['total\_course'];

                } else {

                    $total\_course = "N/A";

                }

                ?>

                <img class="logo" src="logos/course.png" alt="ATS">

                <div class="metric rounded-circle">

                    <div class="value">

                        <?php echo '<div class="display-2 fw-bolder text-dark">' . $total\_course . '</div>'; // Replace display-1 with the desired size class.?>

                    </div>

                    <div class="card-body">

                        <div class="label text-dark">Total Course</div>

                    </div>

                </div>

            </div>

        </div>

        <!--  SECTION DASHBOARD-->

        <div class="col-5">

            <div class="dashboard hover-color">

                <?php

                $query = "SELECT COUNT(\*) AS total\_section FROM sections";

                $result = mysqli\_query($conn, $query);

                if ($result) {

                    $row = mysqli\_fetch\_assoc($result);

                    $total\_section = $row['total\_section'];

                } else {

                    $total\_section = "N/A";

                }

                ?>

                <img class="logo" src="logos/section.png" alt="ATS">

                <div class="metric rounded-circle">

                    <div class="value">

                        <?php echo '<div class="display-2 fw-bolder text-dark">' . $total\_section . '</div>'; // Replace display-1 with the desired size class.?>

                    </div>

                    <div class="card-body">

                        <div class="label text-dark">Total Section</div>

                    </div>

                </div>

            </div>

        </div>

        <!--  SUBJECT DASHBOARD-->

        <div class="col-5">

            <div class="dashboard hover-color">

                <?php

                $query = "SELECT COUNT(\*) AS total\_subject FROM subjects";

                $result = mysqli\_query($conn, $query);

                if ($result) {

                    $row = mysqli\_fetch\_assoc($result);

                    $total\_subject = $row['total\_subject'];

                } else {

                    $total\_subject = "N/A";

                }

                ?>

                <img class="logo" src="logos/subjects.png" alt="ATS">

                <div class="metric rounded-circle">

                    <div class="value">

                        <?php echo '<div class="display-2 fw-bolder text-dark">' . $total\_subject . '</div>'; // Replace display-1 with the desired size class.?>

                    </div>

                    <div class="card-body">

                        <div class="label text-dark">Total Subjects</div>

                    </div>

                </div>

            </div>

        </div>

        <!--  Rooms DASHBOARD-->

        <div class="col-5">

            <div class="dashboard hover-color">

                <?php

                $query = "SELECT COUNT(\*) AS total\_rooms FROM rooms";

                $result = mysqli\_query($conn, $query);

                if ($result) {

                    $row = mysqli\_fetch\_assoc($result);

                    $total\_rooms = $row['total\_rooms'];

                } else {

                    $total\_rooms = "N/A";

                }

                ?>

                <img class="logo" src="logos/rooms.png" alt="ATS">

                <div class="metric rounded-circle">

                    <div class="value">

                        <?php echo '<div class="display-2 fw-bolder text-dark">' . $total\_rooms . '</div>'; // Replace display-1 with the desired size class.?>

                    </div>

                    <div class="card-body">

                        <div class="label text-dark">Total Rooms</div>

                    </div>

                </div>

            </div>

        </div>

        <!--  randomize DASHBOARD-->

        <div class="col-5">

            <div class="dashboard hover-color">

                <?php

                $query = "SELECT COUNT(start\_time) AS total\_sched FROM faculty\_loadings WHERE start\_time IS NOT NULL";

                $result = mysqli\_query($conn, $query);

                if ($result) {

                    $row = mysqli\_fetch\_assoc($result);

                    $total\_sched = $row['total\_sched'];

                } else {

                    $total\_sched = "N/A";

                }

                ?>

                <img class="logo" src="logos/sched.png" alt="ATS">

                <div class="metric rounded-circle">

                    <div class="value">

                        <?php echo '<div class="display-2 fw-bolder text-dark">' . $total\_sched . '</div>'; // Replace display-1 with the desired size class.?>

                    </div>

                    <div class="card-body">

                        <div class="label text-dark">Total Generated Schedules</div>

                    </div>

                </div>

            </div>

        </div>

    </div>

</div>

</div>

<script>

    $(document).ready(function () {

        $(".btn-close").click(function () {

            $("#description\_system").hide();

        });

    });

</script>

</body>

</html>

**database\_connection.php**

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "ats\_db";

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection

if ($conn->connect\_error) {

    die("Connection failed: " . $conn->connect\_error);

}

?>

**days\_create.php**

<?php

//include the db connection php file.

include 'database\_connection.php';

include 'index.php';

// Check if user is not logged in

if (!isset($\_SESSION['user\_id'])) {

    header("Location: login.php");

    exit;

}

// Inserting data for courses table

if (isset($\_POST['submit'])) {

    $course\_name = mysqli\_real\_escape\_string($conn,$\_POST['day']);

    // Check if data already exists in the database

    $day = mysqli\_real\_escape\_string($conn, $\_POST['day']);

    $sql = "SELECT \* FROM available\_days WHERE day ='$day'";

    $result = mysqli\_query($conn, $sql);

    if (mysqli\_num\_rows($result) > 0) {

        // Data already exists in the database, display an error message

        echo '<script type="text/javascript">';

        echo ' alert("Day already exists!")';

        echo '</script>';

    } else {

        // Data does not exist in the database, insert the data into the table

        $sql = "INSERT INTO available\_days (day) VALUES ('$day')";

        if (mysqli\_query($conn, $sql)) {

            echo '<script type="text/javascript">';

            echo ' alert("New day has been added successfully!");';

            echo ' window.location.href = "days\_list.php";';

            echo '</script>';

            exit; // Make sure to exit after the redirect

        } else {

            echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

        }

    }

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/dashboard.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

    </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

    </script>

</head>

<body>

    <title>Add Day</title>

    <div class="container mt-3">

    <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">ADD DAY</H1>

        <form method="post">

        <div class="form-group mt-3">

            <label for="day" class="form-label">Day:</label>

            <select class="form-select" name="day" id="day" required>

                <option value="">Select a day</option>

                <option value="Monday">Monday</option>

                <option value="Tuesday">Tuesday</option>

                <option value="Wednesday">Wednesday</option>

                <option value="Thursday">Thursday</option>

                <option value="Friday">Friday</option>

            </select>

        </div>

            <button type="submit" class="btn btn-primary mt-3" name="submit">Create</button>

            <a href="course\_list.php" class="btn btn-danger mt-3" name="back">Back</a>

        </form>

    </div>

</body>

</html>

**days\_list.php**

<?php

include 'database\_connection.php';

include 'index.php';

// Delete course if delete\_id is set in the URL parameters

if (isset($\_GET['delete\_id'])) {

    $id = $\_GET['delete\_id'];

    $sql = "DELETE FROM available\_days WHERE id='$id'";

    if ($conn->query($sql) === TRUE) {

        echo "<script>alert('Day deleted successfully');</script>";

        echo "<script>window.location.href = 'days\_list.php';</script>";

    } else {

        echo "Error deleting record: " . $conn->$error;

    }

}

// Execute search query if search form is submitted

if (isset($\_POST['search'])) {

    $search\_term = $\_POST['search'];

    $query = "SELECT \* FROM available\_days WHERE day LIKE '%$search\_term%' OR id LIKE '%$search\_term%'";

    $result = $conn->query($query);

} else {

    $query = "SELECT \* FROM available\_days";

    $result = $conn->query($query);

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/courses.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

    </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

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        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

    </script>

</head>

<body>

    <div class="container">

        <div class="container">

        <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">DAYS LIST</H1>

            <form method="POST">

                <div class="input-group mb-3">

                    <input type="text" class="form-control rounded" placeholder="Search by Day or Id" name="search">

                    <button type="submit" class="btn btn-primary">Search</button>

                </div>

            </form>

            <a href="days\_create.php" class="btn btn-success mb-3"><i class='fas fa-user-plus'></i> Add Day</a>

            <table class="table table-bordered table-hover text-center" style="border:1px solid black">

                <thead class="bg-warning">

                    <tr>

                        <th>No.</th>

                        <th>Day</th>

                        <th>Action</th>

                    </tr>

                </thead>

                <tbody style="font-size:1.2rem;font-family:monospace">

                    <?php

                    if ($result->num\_rows > 0) {

                        // output data of each row

                        $i = 1;

                        while ($row = $result->fetch\_assoc()) {

                            echo "<tr>";

                            echo "<td>" . $i . "</td>";

                            echo "<td>" . $row["day"] . "</td>";

                            echo "<td>";

                            echo "<a href='" . $\_SERVER['PHP\_SELF'] . "?delete\_id=" . $row["id"] . "' class='btn btn-danger btn-sm' onclick=\"return confirm('Are you sure you want to delete this day?')\">Delete<i class='fas fa-trash'></i></a>";

                            echo "</td>";

                            echo "</tr>";

                            $i++;

                        }

                    } else {

                        echo "<tr><td colspan='5'>No day found</td></tr>";

                    }

                    ?>

                </tbody>

            </table>

        </div>

    </div>

</body>

</html>

**delete\_generated\_sched.php**

<?php

include 'database\_connection.php';

    $query = "UPDATE faculty\_loadings SET

                room\_name = NULL,

                room\_type = NULL,

                start\_time = NULL,

                end\_time = NULL,

                day = NULL";

    echo"deleted successfully!";

    mysqli\_query($conn, $query);

?>

**faculty\_loading\_list.php**

<?php

include 'database\_connection.php';

include 'index.php';

// Delete section if delete\_id is set in the URL parameters

if (isset($\_GET['delete\_id'])) {

    $id = $\_GET['delete\_id'];

    $sql = "DELETE FROM faculty\_loadings WHERE id='$id'";

    if ($conn->query($sql) === TRUE) {

        echo "<script>alert('Data deleted successfully');</script>";

        echo "<script>window.location.href = 'faculty\_loading\_list.php';</script>";

    } else {

        echo "Error deleting record: " . $conn->$error;

    }

}

// Update section if update\_id is set in the URL parameters

if (isset($\_GET['update\_id'])) {

    $id = $\_GET['update\_id'];

    $query = "SELECT \* FROM faculty\_loadings WHERE id='$id'";

    $result = $conn->query($query);

    if ($result->num\_rows > 0) {

        $row = $result->fetch\_assoc();

    }

}

// Execute search query if search form is submitted

if (isset($\_POST['search'])) {

    $search\_term = $\_POST['search'];

    $query = "SELECT \* FROM faculty\_loadings WHERE teacher LIKE '%$search\_term%' OR section\_name LIKE '%$search\_term%' OR course\_name LIKE '%$search\_term%' OR subject\_description LIKE '%$search\_term%'";

} else {

    $query = "SELECT fl.id, fl.sched\_code, fl.teacher\_name, s.subject\_code, fl.subject\_units, fl.subject\_hours, fl.subject\_description, fl.subject\_type, fl.contact\_hours, fl.course\_name, fl.section\_name, fl.section\_year

    FROM faculty\_loadings fl

    JOIN subjects s ON fl.subject\_description = s.subject\_description

    JOIN subjects sd ON sd.subject\_type = s.subject\_type

    ORDER BY fl.course\_year\_section ASC";

    $result = $conn->query($query);

}

// Update record if update form is submitted

if (isset($\_POST['update'])) {

    $id = $\_POST['id'];

    $teacher = $\_POST['teacher'];

    $subject\_description = $\_POST['subject\_description'];

    $subject\_units = $\_POST['subject\_units'];

    $subject\_hours = $\_POST['subject\_hours'];

    $course\_name = $\_POST['course\_name'];

    $section\_name = $\_POST['section\_name'];

    $section\_year = $\_POST['section\_year'];

    $sql = "UPDATE faculty\_loadings SET teacher='$teacher', subject\_description='$subject\_description', subject\_units='$subject\_units', subject\_hours='$subject\_hours', course\_name='$course\_name', section\_name='$section\_name', section\_year='$section\_year' WHERE id='$id'";

    if ($conn->query($sql) === TRUE) {

        echo "<script>alert('Record updated successfully');</script>";

        echo "<script>window.location.href = 'faculty\_loading\_list.php';</script>";

    } else {

        echo "Error updating record: " . $conn->$error;

    }

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/faculty\_loadings.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

        </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

        </script>

</head>

<body>

    <div class="container">

        <h1 style="text-shadow: 4px 2px 3px rgba(0, .5, 0, .80);"

            class="fw-bolder text-center text-warning mt-3 text-outline">FACULTY LOADING</H1>

        <form method="POST">

            <div class="input-group mb-3">

                <input type="text" class="form-control rounded" placeholder="Search by Teacher ID/Name" name="search">

                <button type="submit" class="btn btn-primary">Search</button>

            </div>

        </form>

        <div class="containe-fluid text-center ">

            <div class="container fw-bolder" style="padding: 5px;">

                <?php // SEMESTER DISPLAY

                $sql = "SELECT \* FROM semesters";

                $result = mysqli\_query($conn, $sql);

                // Check if the query was successful

                if ($result) {

                    // Fetch the semester name

                    $row = mysqli\_fetch\_assoc($result);

                    $semester\_name = $row['semester\_name'];

                    $start\_year = $row['start\_year'];

                    $end\_year = $row['end\_year'];

                    // Display the schedule

                    echo '<h1 class= "fw-bolder" style="color:dark; margin-top: 0; margin-bottom: 10px;font-family:">' . $semester\_name . '</h1>';

                    echo '<p style="margin: 0;color:black;font-family:monospace; font-size: 17px; margin-bottom: 10px;">A.Y: ' . $start\_year . '-' . $end\_year . '</p>';

                } else {

                    // Handle the case when the query fails

                    echo' Add semester!';

                    echo 'Error fetching     semester name: ' . mysqli\_error($connection);

                }

                ?>

            </div>

            <a href="faculty\_loading.php" style="text-align:center" class="btn btn-primary mb-3 mt-3"><i

                    class='fas fa-user-plus'></i>Assign subject</a>

            <button type="button" class="btn btn-danger mb-3 text-center mt-3" id="truncate-btn">Delete All

                Data</button>

        </div>

        <table class="table table-bordered border-dark table-hover">

            <thead class="bg-success text-white text-center" style=" vertical-align:middle;">

                <tr>

                    <th>No.</th>

                    <th>Sched Code</th>

                    <th>Teacher Name</th>

                    <th>Subject Code</th>

                    <th>Subject Title</th>

                    <th>Subject Type</th>

                    <th>Contact Hours</th>

                    <th>Units</th>

                    <th>Year & Section</th>

                    <th>Action</th>

                </tr>

            </thead>

            <tbody style="font-size:1.2rem;font-family:monospace">

                <?php

                // Execute search query if search form is submitted

                if (isset($\_POST['search'])) {

                    $search\_term = $\_POST['search'];

                    $query = "SELECT \* FROM faculty\_loadings WHERE teacher LIKE '%$search\_term%' OR section\_name LIKE '%$search\_term%' OR course\_name LIKE '%$search\_term%'";

                    $result = $conn->query($query);

                    if (!$result) {

                        die("Error executing search query: " . $conn->$error);

                    }

                } else {

                    $query = "SELECT \* FROM faculty\_loadings";

                    $result = $conn->query($query);

                    if (!$result) {

                        die("Error executing query: " . $conn->$error);

                    }

                }

                ?>

                <?php

                if ($result->num\_rows > 0) {

                    // output data of each row

                    $i = 1;

                    while ($row = $result->fetch\_assoc()) {

                        // Loop through data and combine year and section columns

                        $section\_year = $row["section\_year"];

                        $section\_name = $row["section\_name"];

                        $course\_name = $row["course\_name"];

                        if ($semester\_name == "1st SEM"){

                            if ($section\_year == "1st" ) {

                                $course\_year\_section = $course\_name . " 101-" . $section\_name;

                            } elseif ($section\_year == "2nd") {

                                $course\_year\_section = $course\_name . " 201-" . $section\_name;

                            } elseif ($section\_year == "3rd") {

                                $course\_year\_section = $course\_name . " 301-" . $section\_name;

                            } elseif ($section\_year == "4th") {

                                $course\_year\_section = $course\_name . " 401-" . $section\_name;

                            } else {

                                $course\_year\_section = $course\_name . $section\_year . $section\_name;

                            }

                        }else{

                            if ($section\_year == "1st" ) {

                                $course\_year\_section = $course\_name . " 102-" . $section\_name;

                            } elseif ($section\_year == "2nd") {

                                $course\_year\_section = $course\_name . " 202-" . $section\_name;

                            } elseif ($section\_year == "3rd") {

                                $course\_year\_section = $course\_name . " 302-" . $section\_name;

                            } elseif ($section\_year == "4th") {

                                $course\_year\_section = $course\_name . " 402-" . $section\_name;

                            } else {

                                $course\_year\_section = $course\_name . $section\_year . $section\_name;

                            }

                        }

                        // Update row in database with combined value

                        $id = $row["id"];

                        $sql = "UPDATE faculty\_loadings SET course\_year\_section = '$course\_year\_section' WHERE id = '$id'";

                        $result2 = $conn->query($sql);

                        echo "<tr class='text-center' style='vertical-align:middle;'>";

                        echo "<td>" . $i . "</td>";

                        echo "<td>" . $row["schedcode"] . "</td>";

                        echo "<td>" . $row["teacher"] . "</td>";

                        echo "<td>" . $row["subject\_code"] . "</td>";

                        echo "<td>" . $row["subject\_description"] . "</td>";

                        echo "<td>" . $row["subject\_type"] . "</td>";

                        echo "<td>" . $row["subject\_hours"] . "</td>";

                        echo "<td>" . $row["subject\_units"] . "</td>";

                        echo "<td>" . $course\_year\_section . "</td>";

                        echo "<td>";

                        echo "<a href='faculty\_loading\_update.php?id=" . $row["id"] . "' class='btn btn-primary btn-sm'>Update<i class='fas fa-edit'></i></a><hr>";

                        echo "<a href='" . $\_SERVER['PHP\_SELF'] . "?delete\_id=" . $row["id"] . "' class='btn btn-danger btn-sm' onclick=\"return confirm('Are you sure you want to delete this subject?')\">Delete<i class='fas fa-trash'></i></a>";

                        echo "</td>";

                        echo "</tr>";

                        $i++;

                    }

                } else {

                    echo "<tr><td colspan='5'>No faculty\_loadings found</td></tr>";

                }

                ?>

            </tbody>

        </table>

    </div>

    <script>

        $(document).ready(function () {

            $('#truncate-btn').click(function () {

                if (confirm("Are you sure you want to truncate the table?")) {

                    $.ajax({

                        url: "truncate\_table\_faculty\_loadings.php", // the PHP script ghat truncates the table

                        success: function (response) {

                            alert(response); // show the response message from the PHP script

                        }

                    });

                }

            });

        });

    </script>

</body>

</html>

**faculty\_loading\_update.php**

<?php

include 'database\_connection.php';

include 'index.php';

$error = '';

if (isset($\_POST['submit'])) {

    $id = $\_POST['id'];

    $teacher = $\_POST['teacher'];

    $subjectDescription = $\_POST['subject\_description'];

    $courseName = $\_POST['course\_name'];

    $sectionName = $\_POST['section\_name'];

    $sectionYear = $\_POST['section\_year'];

    if (!empty($emptyFields)) {

        $error = 'Please fill in all required fields.';

    } else {

        $stmt = $conn->prepare("SELECT subject\_units, subject\_type, subject\_hours, subject\_code FROM subjects WHERE subject\_description = ?");

        $stmt->bind\_param("s", $subjectDescription);

        $stmt->execute();

        $result = $stmt->get\_result();

        if ($result->num\_rows > 0) {

            $row = $result->fetch\_assoc();

            $subjectUnits = $row['subject\_units'];

            $subjectType = $row['subject\_type'];

            $subjectHours = $row['subject\_hours'];

            $subjectCode = $row['subject\_code'];

        } else {

            $subjectUnits = "";

            $subjectType = "";

            $subjectHours = "";

            $subjectCode = "";

        }

        $stmt = $conn->prepare("SELECT \* FROM faculty\_loadings WHERE teacher=? AND subject\_code=? AND subject\_description=? AND course\_name=? AND section\_name=? AND section\_year=?");

        $stmt->bind\_param("ssssss", $teacher, $subjectCode, $subjectDescription, $courseName, $sectionName, $sectionYear);

        $stmt->execute();

        $result = $stmt->get\_result();

        if ($result->num\_rows > 0) {

            while ($row = $result->fetch\_assoc()) {

                if ($row['id'] != $id) {

                    $error = "Data already exist!.";

                    break;

                } else {

                    echo "<script>alert('Data is already up to date.');</script>";

                    echo "<script>window.location.href = 'faculty\_loading.php';</script>";

                    exit();

                }

            }

        } else {

            $stmt = $conn->prepare("UPDATE faculty\_loadings SET teacher=?, subject\_description=?, subject\_code=?, subject\_hours=?, subject\_type=?, subject\_units=?, course\_name=?, section\_name=?, section\_year=? WHERE id=?");

            $stmt->bind\_param("sssssssssi", $teacher, $subjectDescription, $subjectCode, $subjectHours, $subjectType, $subjectUnits, $courseName, $sectionName, $sectionYear, $id);

            try {

                $stmt->execute();

                echo "<script>alert('Data updated successfully');</script>";

                echo "<script>window.location.href = 'faculty\_loading\_list.php';</script>";

                exit();

            } catch (Exception $e) {

                $error = 'Error: ' . $e->getMessage();

            }

        }

    }

    if (!empty($error)) {

        echo "<script>alert('".$error."');</script>";

                echo "<script>window.location.href = 'faculty\_loading\_list.php';</script>";

                exit();

    }

} else {

    $id = $\_GET['id'];

    $stmt = $conn->prepare("SELECT \* FROM faculty\_loadings WHERE id=?");

    $stmt->bind\_param("i", $id);

    $stmt->execute();

    $result = $stmt->get\_result();

    if ($result->num\_rows > 0) {

        $row = $result->fetch\_assoc();

        $teacher = $row['teacher'];

        $subjectDescription = $row['subject\_description'];

        $courseName = $row['course\_name'];

        $sectionName = $row['section\_name'];

        $sectionYear = $row['section\_year'];

    } else {

        $error = 'Invalid data.';

    }

}

?>

<!DOCTYPE html>

<html>

<head>

    <title>Edit Faculty Loading</title>

    <!-- Include Bootstrap CSS -->

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.0.2/css/bootstrap.min.css">

</head>

<body>

    <div class="container">

        <head>

            <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)"

                class="fw-bolder text-center text-warning mt-3 text-outline">UPDATE FACULTY LOADING DETAILS</H1>

            <?php

            // Show error message if there is any

            if (!empty($error)) {

                echo '<div class="alert alert-danger" role="alert">' . $error . '</div>';

            }

            ?>

            <form method="POST" action="<?php echo $\_SERVER['PHP\_SELF']; ?>">

                <input type="hidden" name="id" value="<?php echo $id; ?>">

                <div class="mb-3">

                    <label for="teacher" class="form-label">Teacher</label>

                    <input type="text" class="form-control" id="teacher" name="teacher" value="<?php echo $teacher; ?>">

                </div>

                <div class="mb-3">

                    <label for="subject\_description" class="form-label">Subject Title:</label>

                    <select name="subject\_description" id="subject\_description" class="form-select" required>

                        <option value="" disabled selected>Select subject description</option>

                        <?php

                        $stmt = $conn->prepare("SELECT subject\_description FROM subjects");

                        $stmt->execute();

                        $result = $stmt->get\_result();

                        while ($row = $result->fetch\_assoc()) {

                            if ($row['subject\_description'] == $subjectDescription) {

                                echo "<option value='" . $row['subject\_description'] . "' selected>" . $row['subject\_description'] . "</option>";

                            } else {

                                echo "<option value='" . $row['subject\_description'] . "'>" . $row['subject\_description'] . "</option>";

                            }

                        }

                        ?>

                    </select>

                </div>

                <div class="mb-3">

                    <label for="course\_name" class="form-label">Course Name:</label>

                    <select class="form-select" id="course\_name" name="course\_name">

                        <?php

                        $stmt = $conn->prepare("SELECT course\_name FROM courses");

                        $stmt->execute();

                        $result = $stmt->get\_result();

                        while ($row = $result->fetch\_assoc()) {

                            $selected = ($row['course\_name'] == $sectionName) ? "selected" : "";

                            echo '<option value="' . $row['course\_name'] . '"' . $selected . '>' . $row['course\_name'] . '</option>';

                        }

                        ?>

                    </select>

                </div>

                <div class="mb-3">

                    <label for="section-name" class="form-label">Section Name:</label>

                    <select class="form-select" id="section-name" name="section\_name">

                        <?php

                        $stmt = $conn->prepare("SELECT section\_name FROM sections");

                        $stmt->execute();

                        $result = $stmt->get\_result();

                        while ($row = $result->fetch\_assoc()) {

                            $selected = ($row['section\_name'] == $sectionName) ? "selected" : "";

                            echo '<option value="' . $row['section\_name'] . '"' . $selected . '>' . $row['section\_name'] . '</option>';

                        }

                        ?>

                    </select>

                </div>

                <div class="mb-3">

                    <label for="section-year" class="form-label">Section Year:</label>

                    <select class="form-select" id="section-year" name="section\_year">

                        <?php

                        $years = array("1st", "2nd", "3rd", "4th");

                        foreach ($years as $year) {

                            $selected = ($year == $sectionYear) ? "selected" : "";

                            echo '<option value="' . $year . '"' . $selected . '>' . $year . '</option>';

                        }

                        ?>

                    </select>

                </div>

                <button type="submit" name="submit" class="btn btn-success">Update</button>

                <a href="faculty\_loading\_list.php" class="btn btn-danger">Cancel</a>

            </form>

            <!-- Include Bootstrap JS -->

            <script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.0.2/js/bootstrap.bundle.min.js"></script>

</body>

</html>

**faculty\_loading.php**

<?php

include 'database\_connection.php';

include 'index.php';

// Check the number of rows in the rooms table, course table

$sql = "SELECT COUNT(\*) AS semester\_count FROM semesters";

$result = mysqli\_query($conn, $sql);

$row = mysqli\_fetch\_assoc($result);

$semester\_count = $row['semester\_count'];

$sql = "SELECT COUNT(\*) AS subject\_count FROM subjects";

$result = mysqli\_query($conn, $sql);

$row = mysqli\_fetch\_assoc($result);

$subject\_count = $row['subject\_count'];

$sql = "SELECT COUNT(\*) AS courses\_count FROM courses";

$result = mysqli\_query($conn, $sql);

$row = mysqli\_fetch\_assoc($result);

$courses\_count = $row['courses\_count'];

$sql = "SELECT COUNT(\*) AS section\_count FROM sections";

$result = mysqli\_query($conn, $sql);

$row = mysqli\_fetch\_assoc($result);

$section\_count = $row['section\_count'];

$sql = "SELECT COUNT(\*) AS teacher\_count FROM teachers";

$result = mysqli\_query($conn, $sql);

$row = mysqli\_fetch\_assoc($result);

$teacher\_count = $row['teacher\_count'];

if ($teacher\_count <=0 || $courses\_count <=0 || $section\_count <=0 || $subject\_count <=0 || $semester\_count <1) {

    echo '<script>alert("Please make sure that you inserted data on the following table:\n 1. Semester 2. Teacher\n 3. Course \n 4. Section \n 5. Subject");</script>';

    echo "<script>window.location.href = 'course\_list.php';</script>";

} else {

$error = '';

function check\_teacher\_load($teacher\_id) {

    global $conn;

    $query = "SELECT COUNT(\*) as count FROM faculty\_loadings WHERE teacher=?";

    $stmt = $conn->prepare($query);

    $stmt->bind\_param("s", $teacher\_id);

    $stmt->execute();

    $result = $stmt->get\_result();

    if (!$result) {

        throw new Exception("Query failed: " . $conn->error);

    }

    $row = $result->fetch\_assoc();

    $count = $row['count'];

    return $count;

}

if (isset($\_POST['submit'])) {

    $teacher = $\_POST['teacher'];

    $subjectDescription = $\_POST['subject\_description'];

    $courseName = $\_POST['course\_name'];

    $sectionName = $\_POST['section\_name'];

    $sectionYear = $\_POST['section\_year'];

    // Validate form fields (PDO)

    if (empty($teacher) || empty($subjectDescription) || empty($courseName) || empty($sectionName) || empty($sectionYear)) {

        $error = 'Please fill in all required fields.';

    } else {

        // Check teacher load>5 not inserting data anymore

        $teacher\_load = check\_teacher\_load($teacher);

        if ($teacher\_load >= 30) {

            $error = 'Teacher has already been assigned 30 subjects.';

            echo "<script>alert('$error');</script>";

        } else {

            // Get the subject units from the database

            $stmt = $conn->prepare("SELECT subject\_units, subject\_type, subject\_hours, subject\_code FROM subjects WHERE subject\_description = ?");

            $stmt->bind\_param("s", $subjectDescription);

            $stmt->execute();

            $result = $stmt->get\_result();

            if ($result->num\_rows > 0) {

                $row = $result->fetch\_assoc();

                $subjectUnits = $row['subject\_units'];

                $subjectType = $row['subject\_type'];

                $subjectHours = $row['subject\_hours'];

                $subjectCode = $row['subject\_code'];

            } else {

                $subjectUnits = "";

                $subjectType = "";

                $subjectHours = "";

                $subjectCode = "";

            }

            // Check if the data already exists in the faculty\_loading table

            $stmt = $conn->prepare("SELECT \* FROM faculty\_loadings WHERE teacher=? AND subject\_description=? AND course\_name=? AND section\_name=? AND section\_year=?");

            $stmt->bind\_param("sssss", $teacher, $subjectDescription, $courseName, $sectionName, $sectionYear);

            $stmt->execute();

            $result = $stmt->get\_result();

            if ($result->num\_rows > 0) {

                // Data already exists, do nothing

                echo "<script>alert('The subject was already assigned with the same teacher!');</script>";

            } else {

                // Check if the subject and course\_year\_section combination already exists

                $stmt = $conn->prepare("SELECT \* FROM faculty\_loadings WHERE subject\_description=? AND course\_name=? AND section\_name=? AND section\_year=?");

                $stmt->bind\_param("ssss", $subjectDescription, $courseName, $sectionName, $sectionYear);

                $stmt->execute();

                $result = $stmt->get\_result();

                if ($result->num\_rows > 0) {

                    // Subject and course\_year\_section combination already exists, do not assign

                    echo "<script>alert('The subject and course section are already assigned!');</script>";

                } else {

                    // Data does not exist, insert the data into the faculty\_loading table

                    $stmt = $conn->prepare("INSERT INTO faculty\_loadings (teacher, subject\_description, subject\_code, subject\_hours, subject\_type, subject\_units, course\_name, section\_name, section\_year) VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?)");

                    $stmt->bind\_param("sssssssss", $teacher, $subjectDescription, $subjectCode, $subjectHours, $subjectType, $subjectUnits, $courseName, $sectionName, $sectionYear);

                    try {

                        $stmt->execute();

                        echo "<script>alert('Data added successfully');</script>";

                        echo "<script>window.location.href = 'faculty\_loading\_list.php';</script>";

                    } catch(Exception $e) {

                        $error = "Error adding data: " . $e->getMessage();

                    }

                }

            }

        }

    }

}

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/index.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

        </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

        </script>

    <title>ATS-SYSTEM</title>

</head>

<form method="POST">

    <div class="container mt-3">

    <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">ASSIGN SUBJECT TO TEACHER</H1>

        <!-- Dropdown for selecting a teacher -->

        <div class="form-group">

            <label for="teacher">Teacher</label>

            <select class="form-control" id="teacher" name="teacher">

                <?php

                $sql = "SELECT \* FROM teachers ORDER BY firstname ASC";

                $result = $conn->query($sql);

                if ($result->num\_rows > 0) {

                    while ($row = $result->fetch\_assoc()) {

                        echo '<option value="' . $row['firstname'] . ' ' . $row['lastname'] . '"' . $selected . '>' . $row['firstname'] . ' ' . $row['lastname'] . '</option>';

                    }

                }

                ?>

            </select>

        </div>

        <!-- Dropdown for selecting a course -->

        <div class="form-group">

            <label for="course\_name">Course</label>

            <select class="form-control" id="course\_name" name="course\_name">

                <?php

                $sql = "SELECT \* FROM courses";

                $result = $conn->query($sql);

                if ($result->num\_rows > 0) {

                    while ($row = $result->fetch\_assoc()) {

                        echo '<option value="' . $row["course\_name"] . '">' . $row["course\_name"] . '</option>';

                    }

                }

                ?>

            </select>

        </div>

        <!-- Form for selecting a subject -->

        <div class="form-group">

            <label for="subject\_description">Subject Description</label>

            <select class="form-control" id="subject\_description" name="subject\_description">

                <?php

                $sql = "SELECT \* FROM subjects";

                $result = $conn->query($sql);

                if ($result->num\_rows > 0) {

                    while ($row = $result->fetch\_assoc()) {

                        echo '<option value="' . $row["subject\_description"] . '">' . $row["subject\_description"] . '</option>';

                    }

                }

                ?>

            </select>

        </div>

        <!-- Dropdown for selecting a section -->

        <div class="form-group">

            <label for="section\_name">Section</label>

            <select class="form-control" id="section\_name" name="section\_name">

                <?php

                $sql = "SELECT \* FROM sections";

                $result = $conn->query($sql);

                if ($result->num\_rows > 0) {

                    while ($row = $result->fetch\_assoc()) {

                        echo '<option value="' . $row["section\_name"] . '">' . $row["section\_name"] . '</option>';

                    }

                }

                ?>

            </select>

        </div>

        <!-- Dropdown for selecting a section year -->

        <div class="form-group">

            <label for="section\_year">Year</label>

            <select class="form-control" id="section\_year" name="section\_year">

                <?php

                $year\_choices = ['1st', '2nd', '3rd', '4th'];

                foreach ($year\_choices as $year) {

                    echo '<option value="' . $year . '">' . $year . '</option>';

                }

                ?>

            </select>

        </div>

        <div class="mt-3">

        <button type="submit" class="btn btn-primary" name="submit">Create</button>

        <a href="faculty\_loading\_list.php" class="btn btn-danger" name="back">Back</a>

        </div>

    </div>

</form>

</body>

</html>

**forgot\_password.php**

<?php

session\_start();

include 'database\_connection.php';

if (isset($\_SESSION['user\_id'])) {

    header("Location: dashboard.php");

    exit;

}

if (isset($\_POST['reset\_password'])) {

    $email = $\_POST['email'];

    // Generate a new password

    $newPassword = generateRandomPassword();

    // Update the password in the database

    $connection = mysqli\_connect("localhost", "root", "", "ats\_db");

    $query = "UPDATE users SET password='$newPassword' WHERE email='$email'";

    mysqli\_query($connection, $query);

    // Show the new password to the user

    $\_SESSION['success'] = "Your new password is: $newPassword";

    header("Location: login.php");

    exit;

}

// Function to generate a random password

function generateRandomPassword($length = 8) {

    $characters = 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789';

    $password = '';

    $charactersLength = strlen($characters);

    for ($i = 0; $i < $length; $i++) {

        $password .= $characters[rand(0, $charactersLength - 1)];

    }

    return $password;

}

?>

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <title>Forgot Password</title>

    <!-- Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<style>

        .container {

            padding: 40px;

        }

        .card {

            background-color: #f0f0f0;

            border: none;

            border-radius: 10px;

            box-shadow: 5px 5px 20px rgba(0, 0, 0, 0.2);

        }

        .card-header {

            background-color:black;

            border: none;

        }

        .card-body {

            background-color:floralwhite;

        }

        .form-control {

            background-color: #f0f0f0;

            border: none;

            border-radius: 10px;

            box-shadow: inset 3px 3px 7px rgba(0, 0, 0, 0.3), inset -3px -3px 7px rgba(255, 255, 255, 0.3);

            padding: 10px 15px;

        }

        .btn-success {

            background-color: #4bb543;

            border: none;

            border-radius: 10px;

            box-shadow: 5px 5px 20px rgba(0, 0, 0, 0.1);

            padding: 10px 15px;

        }

        .btn-success:hover {

            background-color: #3e923f;

        }

        a {

            color: #4bb543;

        }

    </style>

<body>

    <div class="container mt-5">

        <div class="row justify-content-center">

            <div class="col-md-6">

                <div class="card">

                    <div class="card-header text-center">

                        <h1 style="color:gold;font-family:tahoma;font-weight:bold">FORGOT PASSWORD</h1>

                    </div>

                    <div class="card-body shadow-lg p-5 mb-2 bg-gray">

                        <?php

                        if (isset($\_SESSION['error'])) {

                            echo '<div class="alert alert-danger">' . $\_SESSION['error'] . '</div>';

                            unset($\_SESSION['error']);

                        }

                        if (isset($\_SESSION['success'])) {

                            echo '<div class="alert alert-success">' . $\_SESSION['success'] . '</div>';

                            unset($\_SESSION['success']);

                        }

                        ?>

                        <form style="font-family:'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif" method="POST">

                            <div class="form-group mb-3">

                                <label for="email">Email</label>

                                <input type="email" class="form-control" name="email" placeholder="Enter email" required>

                            </div>

                            <div class="form-group mb-3">

                                <button type="submit" name="reset\_password" class="btn btn-success">Reset Password</button>

                                <p class="text-center"><a href="login.php">Back to Login</a></p>

                            </div>

                        </form>

                    </div>

                </div>

            </div>

        </div>

    </div>

</body>

</html>

**Index.php**

<?php

include 'database\_connection.php';

session\_start();

// Check if the user is logged in

// Check if user is not logged in

if (!isset($\_SESSION['user\_id'])) {

    header("Location: login.php");

    exit;

}

// Logout function

if (isset($\_POST['logout'])) {

    session\_destroy();

    header("Location: login.php");

    exit;

}

?>

<!doctype html>

<html lang="en">

<head>

    <link rel="icon" type="image/x-icon" href="logos/CVSU\_LOGO.png">

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/index.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.0.2/js/bootstrap.bundle.min.js"></script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <title>ATS-SYSTEM</title>

    <style>

        .hidden {

            display: none;

        }

    </style>

</head>

<body style="background-color: #d5fefd; background-image: linear-gradient(to left top, #f0f2ee, #f1f5f3, #f3f7f7, #f7fafb, #fbfcfd, #fbfdfd, #fcfdfd, #fdfefd, #fcfdfd, #fbfcfc, #fafafa, #f9f9f9);"

    class="d-flex flex-column min-vh-100" ;>

    <!--Nested Nav Bar -->

    <!-- RESPONSIVE NAV BAR STARTS HERE -->

    <nav class="navbar navbar-expand bg-light sticky-top">

        <a class="navbar-brand" href="dashboard.php">

            <div class="d-flex align-items-center">

            <img src="logos/CVSU\_LOGO.png" alt="Logo" id="logo" class="sidebar-toggle-image">

                </div>

                <span class="navbar-brand-label"

                        style="color: #2e6113; font-family: Consolas, monospace; font-size: 2.2rem;">ATS SYSTEM</span>

            </div>

        </a>

        <div class=" bg-gray text-warning border ms-12  fw-bolder ">

            <?php

            if (isset($\_SESSION['user\_id'])) {

                // Fetch the user data from the database

                $user\_id = $\_SESSION['user\_id'];

                $sql = "SELECT \* FROM users WHERE id='$user\_id'";

                $result = mysqli\_query($conn, $sql);

                $user\_data = mysqli\_fetch\_assoc($result);

                // Display the user name

                $user\_name = $user\_data['name'];

                $welcome\_message = "Welcome, $user\_name!";

                if (!isset($\_SESSION['welcome\_alert\_shown'])) {

                    echo "<script>alert('$welcome\_message');</script>";

                    $\_SESSION['welcome\_alert\_shown'] = true;

                }

            }

            ?>

        </div>

        <div class="navbar-nav ms-auto">

            <li class="nav-item dropdown">

                <div class="dropdown">

                    <button class="fw-bolder btn btn-danger  text-center text-light dropdown-toggle" type="button"

                        id="userDropdown" data-bs-toggle="dropdown" aria-expanded="false">

                        <?php echo $user\_data['name']; ?>

                    </button>

                    <ul class="dropdown-menu dropdown-menu-dark" aria-labelledby="userDropdown">

                        <li><a class="dropdown-item" href="update.php">Update Account</a></li>

                        <li>

                            <hr class="dropdown-divider">

                        </li>

                        <li>

                            <form method="post">

                                <button type="submit" name="logout" class="dropdown-item">Logout</button>

                            </form>

                        </li>

                    </ul>

                </div>

        </div>

    </nav>

    <div class="container-fluid wrapper">

        <div class="d-flex content">

            <div class="sidebar">

                <!-- Your sidebar content here -->

                <ul class="navbar-nav">

                    <li class="nav-item">

                        <a class="nav-link hover-color" href="semester\_list.php">Add Semester</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link hover-color" href="days\_list.php">Add Day</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link hover-color" href="teacher\_list.php">Add Teacher</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link hover-color" href="course\_list.php">Add Course</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link hover-color" href="section\_list.php">Add Section</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link hover-color" href="subject\_list.php">Add Subject</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link hover-color" href="room\_list.php">Add Rooms</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link hover-color text-danger" href="faculty\_loading\_list.php">Faculty Loading</a>

                    </li>

                    <li class="nav-item dropdown">

                        <a class="nav-link hover-color dropdown-toggle text-danger" href="#" id="scheduleDropdown" role="button"

                            data-bs-toggle="dropdown" aria-expanded="false">

                            Generate Schedule

                        </a>

                        <ul class="dropdown-menu " aria-labelledby="scheduleDropdown">

                            <a class="nav-link hover-color text-primary  fw-bolder text-center h5"

                                href="automated\_schedule.php">Automated</a>

                    </li>

                    <hr class="dropdown-divider">

                    </li>

                    <a class="nav-link hover-color text-primary fw-bolder text-center h5" href="TEST.php">Manual</a>

                </ul>

                </li>

                <li class="nav-item dropdown">

                    <a class="nav-link hover-color dropdown-toggle text-danger" href="#" id="scheduleDropdown" role="button"

                        data-bs-toggle="dropdown" aria-expanded="false">

                        View Schedule

                    </a>

                    <ul class="dropdown-menu" aria-labelledby="scheduleDropdown">

                        <li><a class="dropdown-item text-primary h5" href="view\_room\_schedule.php">View Room Schedules</a>

                        </li>

                        <li><a class="dropdown-item hover-color text-primary h5" href="view\_teacher\_schedule.php">View Teacher

                                Schedules </a>

                        <li><a class="dropdown-item hover-color text-primary h5" href="view\_section\_schedule.php">View Section

                                Schedules </a></li>

                </li>

                </ul>

                </li>

                <button id="hideSidebar" class="sidebar-toggle btn-warning text-dark text-center mt-3"

                    style="padding: 10px 20px; border-radius: 5px; border: none; cursor: pointer; transition: background-color 0.3s; box-shadow: 0 2px 4px rgba(0, 0, 0, 0.2);">

                    <i class="fas fa-bars" style="margin-right: 5px;"></i> Hide Sidebar

                </button>

            </div>

        </div>

    </div>

    <script>

        $(document).ready(function () {

            $('.sidebar').show(); // Show the sidebar by default

            // Hide the sidebar with a slide animation when the "Hide Sidebar" button is clicked

            $('#hideSidebar').click(function () {

                $('.sidebar').slideUp(900); // Set the desired animation duration (e.g., 500ms)

            });

  });

    </script>

<script>

  $(document).ready(function () {

            $('.sidebar').show(); // Show the sidebar by default

    // Show the sidebar when hovering over the logo

    $('#logo').hover(function () {

      $('.sidebar').slideDown(900);

    });

  });

</script>

</body>

</html>

**login.php**

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous"></script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <title>Login Page</title>

    <!-- Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <link rel="stylesheet" href="css/login.css">

    <style>

        .container {

            padding: 40px;

        }

        .card {

            background-color: #f0f0f0;

            border: none;

            border-radius: 10px;

            box-shadow: 7px 5px 20px rgba(0, 0, 0, .5);

        }

        .card-header {

            background-color:black;

            border: none;

        }

        .card-body {

            background-color:floralwhite;

        }

        .form-control {

            background-color: #f0f0f0;

            border: none;

            border-radius: 10px;

            box-shadow: inset 3px 3px 7px rgba(0, 0, 0, .3), inset -3px -3px 7px rgba(255, 255, 255, 0.5);

            padding: 10px 15px;

        }

        .btn-success {

            background-color: #4bb543;

            border: none;

            border-radius: 10px;

            box-shadow: 5px 5px 20px rgba(0, 0, 0, 0.1);

            padding: 10px 15px;

        }

        .btn-success:hover {

            background-color: #3e923f;

        }

        a {

            color: #4bb543;

        }

    </style>

</head>

<body>

    <div class="container mt-5">

        <div class="row justify-content-center">

            <div class="col-md-6">

                <div class="card">

                    <div class="card-header text-center">

                        <h1 style="color:gold;font-family:tahoma;font-weight:bold">LOGIN</h1>

                    </div>

                    <div class="card-body">

                        <?php

                        session\_start();

                        // Check if user is already logged in

                        if (isset($\_SESSION['user\_id'])) {

                            header("Location: dashboard.php");

                            exit;

                        }

                        // Check if form is submitted

                        if (isset($\_POST['login'])) {

                            // Get user credentials

                            $email = $\_POST['email'];

                            $password = $\_POST['password'];

                            // Check user credentials in database

                            $connection = mysqli\_connect("localhost", "root", "", "ats\_db");

                            // Get the user's login\_attempts and last\_failed\_login from the database

                            $query = "SELECT \* FROM users WHERE email='$email'";

                            $result = mysqli\_query($connection, $query);

                            $user = mysqli\_fetch\_assoc($result);

                            $loginAttempts = $user['login\_attempts'];

                            $lastFailedLogin = $user['last\_failed\_login'];

                            // Check if the user is currently blocked

                            if ($loginAttempts >= 3 && time() - strtotime($lastFailedLogin) < 150) {

                                $secondsRemaining = 150 - (time() - strtotime($lastFailedLogin));

                                $minutesRemaining = ceil($secondsRemaining / 60);

                                // User is blocked, display error message with remaining time

                                $\_SESSION['error'] = "You have exceeded the maximum login attempts. Please try again after $minutesRemaining minutes.";

                                header("Location: login.php");

                                exit;

                            }

                            $query = "SELECT \* FROM users WHERE email='$email' AND password='$password'";

                            $result = mysqli\_query($connection, $query);

                            if (mysqli\_num\_rows($result) == 1) {

                                // User is authenticated, reset login attempts and set session variables

                                $query = "UPDATE users SET login\_attempts = 0, last\_failed\_login = NULL WHERE email='$email'";

                                mysqli\_query($connection, $query);

                                $user = mysqli\_fetch\_assoc($result);

                                $\_SESSION['user\_id'] = $user['id'];

                                $\_SESSION['username'] = $user['username'];

                                header("Location: dashboard.php");

                                exit;

                            } else {

                                // User is not authenticated, increment login attempts and update last failed login timestamp

                                $loginAttempts++;

                                $lastFailedLogin = date("Y-m-d H:i:s");

                                $query = "UPDATE users SET login\_attempts = $loginAttempts, last\_failed\_login = '$lastFailedLogin' WHERE email='$email'";

                                mysqli\_query($connection, $query);

                                // Check if the user has exceeded login attempts

                                if ($loginAttempts >= 3) {

                                    $\_SESSION['error'] = "You have exceeded the maximum login attempts. Please try again after 5 minutes.";

                                } else {

                                    $\_SESSION['error'] = "Incorrect email or password";

                                }

                                header("Location: login.php");

                                exit;

                            }

                        }

                        if (isset($\_SESSION['error'])) {

                            echo '

                            <div class="alert alert-danger">' . $\_SESSION['error'] . '</div>

                            ';

                            unset($\_SESSION['error']);

                        }

                        if (isset($\_SESSION['success'])) {

                            echo '

                            <div class="alert alert-success">' . $\_SESSION['success'] . '</div>

                            ';

                            unset($\_SESSION['success']);

                        }

                        ?>

                        <form style="font-family:'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif"

                            method="POST">

                            <div class="form-group mb-2">

                                <label for="email">Email</label>

                                <input type="email" class="form-control" name="email" placeholder="Enter email" required>

                            </div>

                            <div class="form-group mb-2">

                                <label for="password">Password</label>

                                <input type="password" class="form-control" name="password" placeholder="Enter password"

                                    required>

                            </div>

                            <div class="form-group mb-3">

                                <button type="submit" name="login" class="btn btn-success">Login</button>

                                <p class="text-center">Don't have an account? <a href="register.php">Register here</a></p>

                                <p class="text-center"><a href="forgot\_password.php">Forgot Password?</a></p>

                            </div>

                        </form>

                    </div>

                </div>

            </div>

        </div>

    </div>

</body>

</html>

**manual\_add\_schedule.php**

<?php

include 'database\_connection.php';

include 'index.php';

// Function to check if a teacher is available at the given day and time

function isTeacherAvailable($teacher, $day, $start\_time, $end\_time)

{

    global $conn;

    $sql = "SELECT \* FROM faculty\_loadings WHERE teacher = ? AND day = ? AND (start\_time < ? AND end\_time > ?)";

    $stmt = $conn->prepare($sql);

    $stmt->bind\_param("ssss", $teacher, $day, $end\_time, $start\_time);

    $stmt->execute();

    $result = $stmt->get\_result();

    return mysqli\_num\_rows($result) == 0;

}

// Function to check if a room is available at the given day and time

function isRoomAvailable($room\_name, $day, $start\_time, $end\_time)

{

    global $conn;

    $sql = "SELECT \* FROM faculty\_loadings WHERE room\_name = ? AND day = ? AND (start\_time < ? AND end\_time > ?)";

    $stmt = $conn->prepare($sql);

    $stmt->bind\_param("ssss", $room\_name, $day, $end\_time, $start\_time);

    $stmt->execute();

    $result = $stmt->get\_result();

    return mysqli\_num\_rows($result) == 0;

}

// Function to check if there is a conflict in course\_year\_section

function isCourseYearSectionConflict($course\_year\_section, $day, $start\_time, $end\_time)

{

    global $conn;

    $sql = "SELECT \* FROM faculty\_loadings WHERE course\_year\_section = ? AND day = ? AND (start\_time < ? AND end\_time > ?)";

    $stmt = $conn->prepare($sql);

    $stmt->bind\_param("ssss", $course\_year\_section, $day, $end\_time, $start\_time);

    $stmt->execute();

    $result = $stmt->get\_result();

    return mysqli\_num\_rows($result) > 0;

}

$error = '';

function check\_teacher\_load($teacher)

{

    global $conn;

    $query = "SELECT COUNT(\*) as count FROM faculty\_loadings WHERE teacher=?";

    $stmt = $conn->prepare($query);

    $stmt->bind\_param("s", $teacher);

    $stmt->execute();

    $result = $stmt->get\_result();

    if (!$result) {

        throw new Exception("Query failed: " . $conn->error);

    }

    $row = $result->fetch\_assoc();

    $count = $row['count'];

    return $count;

}

if (isset($\_POST['submit'])) {

    $teacher = mysqli\_real\_escape\_string($conn, $\_POST['teacher']);

    $subjectDescription = mysqli\_real\_escape\_string($conn, $\_POST['subject\_description']);

    $courseName = mysqli\_real\_escape\_string($conn, $\_POST['course\_name']);

    $sectionName = mysqli\_real\_escape\_string($conn, $\_POST['section\_name']);

    $sectionYear = mysqli\_real\_escape\_string($conn, $\_POST['section\_year']);

    $roomName = mysqli\_real\_escape\_string($conn, $\_POST['room\_name']);

    $day = mysqli\_real\_escape\_string($conn, $\_POST['day']);

    $startTime = mysqli\_real\_escape\_string($conn, $\_POST['start\_time']);

    $endTime = mysqli\_real\_escape\_string($conn, $\_POST['end\_time']);

    $sql = "SELECT \* FROM semesters";

    $result = mysqli\_query($conn, $sql);

    $row = mysqli\_fetch\_assoc($result);

    $semester\_name = $row['semester\_name'];

    if ($semester\_name == "1st SEM"){

        if ($sectionYear == "1st" ) {

            $course\_year\_section = $courseName . " 101-" . $sectionName;

        } elseif ($sectionYear == "2nd") {

            $course\_year\_section = $courseName . " 201-" . $sectionName;

        } elseif ($sectionYear == "3rd") {

            $course\_year\_section = $courseName . " 301-" . $sectionName;

        } elseif ($sectionYear == "4th") {

            $course\_year\_section = $courseName . " 401-" . $sectionName;

        } else {

            $course\_year\_section = $courseName . $section\_year . $sectionName;

        }

    }else{

        if ($sectionYear == "1st" ) {

            $course\_year\_section = $courseName . " 102-" . $sectionName;

        } elseif ($sectionYear == "2nd") {

            $course\_year\_section = $courseName . " 202-" . $sectionName;

        } elseif ($sectionYear == "3rd") {

            $course\_year\_section = $courseName . " 302-" . $sectionName;

        } elseif ($sectionYear == "4th") {

            $course\_year\_section = $courseName . " 402-" . $sectionName;

        } else {

            $course\_year\_section = $courseName . $section\_year . $sectionName;

        }

    }

    // Check if the teacher has reached the maximum load

    $teacherLoad = check\_teacher\_load($teacher);

    if ($teacherLoad >= 30) {

        $error = "Teacher has reached the maximum load.";

    } else {

        $stmt = $conn->prepare("SELECT subject\_units, subject\_type, subject\_hours, subject\_code FROM subjects WHERE subject\_description = ?");

        $stmt->bind\_param("s", $subjectDescription);

        $stmt->execute();

        $result = $stmt->get\_result();

        if ($result->num\_rows > 0) {

            $row = $result->fetch\_assoc();

            $subjectUnits = $row['subject\_units'];

            $subjectType = $row['subject\_type'];

            $subjectHours = $row['subject\_hours'];

            $subjectCode = $row['subject\_code'];

        } else {

            $subjectUnits = "";

            $subjectType = "";

            $subjectHours = "";

            $subjectCode = "";

        }

    // Check if the timeslot is available for the teacher, room, and course year section

    $isTeacherAvailable = isTeacherAvailable($teacher, $day, $startTime, $endTime);

    $isRoomAvailable = isRoomAvailable($roomName, $day, $startTime, $endTime);

    $isCourseYearSectionConflict = isCourseYearSectionConflict("$courseName $sectionYear $sectionName", $day, $startTime, $endTime);

    if ($isTeacherAvailable && $isRoomAvailable && !$isCourseYearSectionConflict) {

        // Insert the schedule into the database

        $query = "INSERT INTO faculty\_loadings (teacher,subject\_description, subject\_code, subject\_hours, subject\_type, subject\_units, course\_name, section\_name, section\_year, room\_name, course\_year\_section, day, start\_time, end\_time) VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?)";

        $stmt = $conn->prepare($query);

        $stmt->bind\_param("ssssssssssssss", $teacher,$subjectDescription,$subjectCode, $subjectHours, $subjectType, $subjectUnits, $courseName, $sectionName, $sectionYear, $roomName,$course\_year\_section,  $day, $startTime, $endTime);

        $stmt->execute();

        echo "<script>alert('Data Successfully added!');</script>";

        $stmt->close();

        echo "Schedule added successfully.";

    } else {

        $error  = "There is a schedule conflict. Check for the schedule of Teacher, Course Section and Room availability in view schedule page.";

        echo "<script>alert('".$error."');</script>";

        echo "<script>window.location.href = 'TEST.php';</script>";

    }

}

// Display the error message if there is any

if (!empty($error)) {

    echo $error;

}

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/index.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

    </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

    </script>

    <title>ATS-SYSTEM</title>

</head>

<form method="POST">

    <div class="container mt-3">

        <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)"

            class="fw-bolder text-center text-warning mt-3 text-outline">ADD MANUAL SCHEDULE</H1>

        <!-- Dropdown for selecting a teacher -->

        <div class="form-group">

            <label for="teacher">Teacher</label>

            <select class="form-control" id="teacher" name="teacher">

                <?php

                $sql = "SELECT \* FROM teachers ORDER by firstname ASC";

                $result = $conn->query($sql);

                if ($result->num\_rows > 0) {

                    while ($row = $result->fetch\_assoc()) {

                        echo '<option value="' . $row['firstname'] . ' ' . $row['lastname'] . '"' . $selected . '>' . $row['firstname'] . ' ' . $row['lastname'] . '</option>';

                    }

                }

                ?>

            </select>

        </div>

        <!-- Dropdown for selecting a course -->

        <div class="form-group">

            <label for="course\_name">Course</label>

            <select class="form-control" id="course\_name" name="course\_name">

                <?php

                $sql = "SELECT \* FROM courses";

                $result = $conn->query($sql);

                if ($result->num\_rows > 0) {

                    while ($row = $result->fetch\_assoc()) {

                        echo '<option value="' . $row["course\_name"] . '">' . $row["course\_name"] . '</option>';

                    }

                }

                ?>

            </select>

        </div>

      <!-- Form for selecting a subject -->

        <div class="form-group">

            <label for="subject\_description">Subject Description</label>

            <select class="form-control" id="subject\_description" name="subject\_description">

                <?php

                $sql = "SELECT \* FROM subjects";

                $result = $conn->query($sql);

                if ($result->num\_rows > 0) {

                    while ($row = $result->fetch\_assoc()) {

                        echo '<option value="' . $row["subject\_description"] . '">' . $row["subject\_description"] . '</option>';

                    }

                }

                ?>

            </select>

        </div>

        <!-- Dropdown for selecting a section -->

        <div class="form-group">

            <label for="section\_name">Section</label>

            <select class="form-control" id="section\_name" name="section\_name">

                <?php

                $sql = "SELECT \* FROM sections";

                $result = $conn->query($sql);

                if ($result->num\_rows > 0) {

                    while ($row = $result->fetch\_assoc()) {

                        echo '<option value="' . $row["section\_name"] . '">' . $row["section\_name"] . '</option>';

                    }

                }

                ?>

            </select>

        </div>

        <!-- Dropdown for selecting a section year -->

        <div class="form-group">

            <label for="section\_year">Year</label>

            <select class="form-control" id="section\_year" name="section\_year">

                <?php

                $year\_choices = ['1st', '2nd', '3rd', '4th'];

                foreach ($year\_choices as $year) {

                    echo '<option value="' . $year . '">' . $year . '</option>';

                }

                ?>

            </select>

        </div>

        <div class="form-group">

            <label for="day">Day</label>

            <select class="form-control" id="day" name="day">

                <?php

                $sql = "SELECT \* FROM available\_days";

                $result = $conn->query($sql);

                if ($result->num\_rows > 0) {

                    while ($row = $result->fetch\_assoc()) {

                        echo '<option value="' . $row["day"] . '">' . $row["day"] . '</option>';

                    }

                }

                ?>

            </select>

        </div>

        <!-- Dropdown for selecting a room -->

        <div class="form-group">

            <label for="room\_name">Room</label>

            <select class="form-control" id="room\_name" name="room\_name">

                <?php

                $sql = "SELECT \* FROM rooms";

                $result = $conn->query($sql);

                if ($result->num\_rows > 0) {

                    while ($row = $result->fetch\_assoc()) {

                        echo '<option value="' . $row["room\_name"] . '">' . $row["room\_name"] . '</option>';

                    }

                }

                ?>

            </select>

        </div>

        <!-- Dropdown for selecting a start time -->

        <div class="form-group">

            <label for="start\_time">Start Time</label>

            <select class="form-control" id="start\_time" name="start\_time">

                <?php

                $sql = "SELECT start\_time FROM timeslots";

                $result = $conn->query($sql);

                if ($result->num\_rows > 0) {

                    while ($row = $result->fetch\_assoc()) {

                        $start\_time = date("h:i A", strtotime($row["start\_time"]));

                        echo '<option value="' . $row["start\_time"] . '">' . $start\_time . '</option>';

                    }

                }

                ?>

            </select>

        </div>

        <!-- Dropdown for selecting a start time -->

        <div class="form-group">

            <label for="end\_time">End Time</label>

            <select class="form-control" id="end\_time" name="end\_time">

                <?php

                $sql = "SELECT end\_time FROM timeslots";

                $result = $conn->query($sql);

                if ($result->num\_rows > 0) {

                    while ($row = $result->fetch\_assoc()) {

                        $end\_time = date("h:i A", strtotime($row["end\_time"]));

                        echo '<option value="' . $row["end\_time"] . '">' . $end\_time . '</option>';

                    }

                }

                ?>

            </select>

        </div>

        <div class="mt-3">

            <button type="submit" class="btn btn-primary" name="submit">Create</button>

            <a href="manual\_schedule\_list.php" class="btn btn-danger" name="back">Back</a>

        </div>

    </div>

</form>

</body>

</html>

**register.php**

<?php

include 'database\_connection.php';

$message = '';

if (isset($\_POST['register'])) {

    $name = $\_POST['name'];

    $email = $\_POST['email'];

    $password = $\_POST['password'];

    $confirm\_password = $\_POST['confirm\_password'];

    $check\_query = "SELECT \* FROM users WHERE email = '$email'";

    $check\_result = mysqli\_query($conn, $check\_query);

    if (mysqli\_num\_rows($check\_result) > 0) {

        $message = "This email is already in use.";

    } elseif ($password !== $confirm\_password) {

        $message = "Passwords do not match!";

    } else {

        $query = "INSERT INTO users (name, email, password) VALUES ('$name', '$email', '$password')";

        if (mysqli\_query($conn, $query)) {

            $\_SESSION['message'] = "User created successfully!";

            header("location: login.php");

        } else {

            $message = "Error: " . mysqli\_error($conn);

        }

    }

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <title>Register</title>

</head>

<style>

        .container {

            padding: 40px;

        }

        .card {

            background-color: #f0f0f0;

            border: none;

            border-radius: 10px;

            box-shadow: 5px 5px 20px rgba(0, 0, 0, 0.2);

        }

        .card-header {

            background-color:black;

            border: none;

        }

        .card-body {

            background-color:floralwhite;

        }

        .form-control {

            background-color: #f0f0f0;

            border: none;

            border-radius: 10px;

            box-shadow: inset 3px 3px 7px rgba(0, 0, 0, .2), inset -3px -3px 7px rgba(255, 255, 255, 0.3);

            padding: 10px 15px;

        }

        .btn-success {

            background-color: #4bb543;

            border: none;

            border-radius: 10px;

            box-shadow: 5px 5px 20px rgba(0, 0, 0, 0.1);

            padding: 10px 15px;

        }

        .btn-success:hover {

            background-color: #3e923f;

        }

        a {

            color: #4bb543;

        }

    </style>

<body>

    <div class="container">

        <div class="row justify-content-center mt-5">

            <div class="col-md-6">

                <div class="card">

                    <div class="card-header size text-center">

                        <h1 style="color:gold;font-family:tahoma;font-weight:bold" ;>REGISTER</h1>

                    </div>

                    <div class="card-body shadow-lg p-5 mb-2 bg-white">

                        <?php if ($message != ''): ?>

                            <div class="alert alert-danger" role="alert">

                                <?= $message ?>

                            </div>

                        <?php endif; ?>

                        <form style="font-family:'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif" ;

                            method="POST">

                            <div class="form-group mb-3">

                                <label for="name">Name:</label>

                                <input type="text" class="form-control" id="name" name="name" required>

                            </div>

                            <div class="form-group mb-3">

                                <label for="email">Email address:</label>

                                <input type="email" class="form-control" id="email" name="email" required>

                            </div>

                            <div class="form-group mb-3">

                                <label for="password">Password:</label>

                                <input type="password" class="form-control" id="password" name="password" required>

                            </div>

                            <div class="form-group mb-3">

                                <label for="confirm\_password">Confirm Password:</label>

                                <input type="password" class="form-control" id="confirm\_password"

                                    name="confirm\_password" required>

                            </div>

                            <button type="submit" class="btn btn-success" name="register">Register</button>

                            <p class="text-center">Already have an account? <a href="login.php">Login here</a></p>

                        </form>

</body>

</html>

**room\_create.php**

<?php

// include the database connection file

include 'database\_connection.php';

include 'index.php';

// check if the form is submitted

if (isset($\_POST['submit'])) {

    // sanitize and get the form data

    $room\_name = mysqli\_real\_escape\_string($conn, $\_POST['room\_name']);

    $room\_type = mysqli\_real\_escape\_string($conn, $\_POST['room\_type']);

    $room\_capacity = mysqli\_real\_escape\_string($conn, $\_POST['room\_capacity']);

    // check if a record with the same room\_id or room\_name already exists

    $sql = "SELECT \* FROM rooms WHERE room\_name = '$room\_name' AND room\_type ='$room\_type'";

    $result = mysqli\_query($conn, $sql);

    if ($result === false) {

        echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

        exit;

    }

    if (mysqli\_num\_rows($result) > 0) {

        echo '<script type="text/javascript">';

        echo ' alert("Room already exists!");';

        echo ' window.location.href = "room\_create.php";';

        echo '</script>';

        exit;

    } else {

        // insert the data into the table

        $sql= "INSERT INTO rooms (room\_id, room\_name, room\_type, room\_capacity) VALUES ('$room\_name', '$room\_type', '$room\_capacity')";

        if (mysqli\_query($conn, $sql)) {

            echo '<script type="text/javascript">';

            echo ' alert("New record added successfully!");';

            echo ' window.location.href = "room\_list.php";';

            echo '</script>';

            exit;

        } else {

            echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

        }

    }

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/\_form.css">

    <title>Add room </title>

</head>

<body>

    <div class="container mt-3">

    <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">ADD ROOM</H1>

        <form method="post">

            <div class="mb-3">

                <label for="room\_name">Room Name</label>

                <input type="text" class="form-control" id="room\_name" name="room\_name" placeholder="Enter Room Name">

            </div>

            <div class="mb-3 mt-3">

                <label for="room\_type" class="form-label">Room Type</label>

                <select class="form-select" id="room\_type" name="room\_type" required>

                    <option value="">Select </option>

                    <option value="Lab">Lab</option>

                    <option value="Lec">Lec</option>

                </select>

            </div>

            <div class="mb-3">

                <label for="room\_capacity">Capacity</label>

                <input type="number" class="form-control" id="room\_capacity" name="room\_capacity"

                    placeholder="Enter Room Capacity">

            </div>

            <button type="submit" class="btn btn-primary" name="submit">Create</button>

            <a href="room\_list.php" class="btn btn-danger" name="back">Back</a>

        </form>

    </div>

</body>

</html>

**room\_list.php**

<?php

include 'database\_connection.php';

include 'index.php';

// Delete section if delete\_id is set in the URL parameters

if (isset($\_GET['delete\_id'])) {

    $id = $\_GET['delete\_id'];

    $sql = "DELETE FROM rooms WHERE id='$id'";

    if ($conn->query($sql) === TRUE) {

        echo "<script>alert('Rooms deleted successfully');</script>";

        echo "<script>window.location.href = 'room\_list.php';</script>";

    } else {

        echo "Error deleting record: " . $conn->error;

    }

}

// Execute search query if search form is submitted

if (isset($\_POST['search'])) {

    $search\_term = $\_POST['search'];

    $query = "SELECT \* FROM rooms WHERE room\_name LIKE '%$search\_term%' OR room\_type LIKE '%$search\_term%'";

} else {

    $query = "SELECT \* FROM rooms";

    $result = $conn->query($query);

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/rooms.css">

    <title>Room List</title>

</head>

<body>

    <div class="container">

    <h1 style="text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">ROOM LIST</H1>

        <form method="POST">

            <div class="input-group mb-3">

                <input type="text" class="form-control rounded" placeholder="Search by Rooms ID/Name/Type"

                    name="search">

                <button type="submit" class="btn btn-primary">Search</button>

            </div>

        </form>

        <a href="room\_create.php" class="btn btn-success mb-3"><i class='fas fa-user-plus'></i> Add Rooms</a>

        <table class="table table-bordered table-hover text-center" style="border:1px solid black">

            <thead class="bg-warning">

                <tr>

                    <th>No.</th>

                    <th>Room Name</th>

                    <th>Room Type</th>

                    <th>Capacity</th>

                    <th>Action</th>

                </tr>

            </thead>

            <tbody style="font-size:1.2rem;font-family:monospace">

                <?php

                // Execute search query if search form is submitted

                if (isset($\_POST['search'])) {

                    $search\_term = $\_POST['search'];

                    $query = "SELECT \* FROM rooms WHERE room\_id LIKE '%$search\_term%' OR room\_name LIKE '%$search\_term%' OR room\_type LIKE '%$search\_term%'";

                    $result = $conn->query($query);

                    if (!$result) {

                        die("Error executing search query: " . $conn->error);

                    }

                } else {

                    $query = "SELECT \* FROM rooms";

                    $result = $conn->query($query);

                    if (!$result) {

                        die("Error executing query: " . $conn->error);

                    }

                }

                if ($result->num\_rows > 0) {

                    $i = 1;

                    while ($row = $result->fetch\_assoc()) {

                        echo "<tr>";

                        echo "<td>" . $i . "</td>";

                        echo "<td>" . $row["room\_name"] . "</td>";

                        echo "<td>" . $row["room\_type"] . "</td>";

                        echo "<td>" . $row["room\_capacity"] . "</td>";

                        echo "<td>";

                        echo "<a href='room\_update.php?id=" . $row["id"] . "' class='btn btn-primary btn-sm'>Update<i class='fas fa-edit'></i></a>&nbsp";

                        echo "<a href='" . $\_SERVER['PHP\_SELF'] . "?delete\_id=" . $row["id"] . "' class='btn btn-danger btn-sm' onclick=\"return confirm('Are you sure you want to delete this Room?')\">Delete<i class='fas fa-trash'></i></a>";

                        echo "</td>";

                        echo "</tr>";

                        $i++;

                    }

                } else {

                    echo "<tr><td colspan='5'>No rooms found</td></tr>";

                }

                ?>

            </tbody>

        </table>

    </div>

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous"></script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <script src="https://kit.fontawesome.com/your-font-awesome-kit.js" crossorigin="anonymous"></script>

</body>

</html>

**room\_update.php**

<?php

// include the database connection file

include 'database\_connection.php';

include 'index.php';

// Fetching data from the database

if (isset($\_GET['id'])) {

    $id = mysqli\_real\_escape\_string($conn, $\_GET['id']);

    $sql = "SELECT \* FROM rooms WHERE id ='$id'";

    $result = mysqli\_query($conn, $sql);

    if ($result && mysqli\_num\_rows($result) > 0) {

        $row = mysqli\_fetch\_assoc($result);

    } else {

        // If there was an error in the query, display an error message and exit

        echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

        exit();

    }

}

// Updating data in the database

if (isset($\_POST['update'])) {

    // First, retrieve the data from the form and sanitize it

    $room\_name = mysqli\_real\_escape\_string($conn, $\_POST['room\_name']);

    $room\_type = mysqli\_real\_escape\_string($conn, $\_POST['room\_type']);

    $room\_capacity = mysqli\_real\_escape\_string($conn, $\_POST['room\_capacity']);

    // Then, check if the Room code and name already exists in the database

    $sql = "SELECT \* FROM rooms WHERE  room\_name= '$room\_name' AND room\_type = '$room\_type'";

    $result = mysqli\_query($conn, $sql);

    if (mysqli\_num\_rows($result) > 0) {

        // If the room with the same room id and name already exists, display an error message

        echo '<script type="text/javascript">';

        echo ' alert("Room already exists!")';

        echo '</script>';

    } else {

        // If the room with the same room id and name does not exist, update the data in the database

        $sql = "UPDATE rooms SET room\_name='$room\_name', room\_type='$room\_type', room\_capacity='$room\_capacity' WHERE id='$id'";

        if (mysqli\_query($conn, $sql)) {

            // Data updated successfully, display an alert message and redirect to room\_list.php

            echo '<script type="text/javascript">';

            echo ' alert("Record updated successfully!");';

            echo ' window.location.href = "room\_list.php";';

            echo '</script>';

            exit; // Make sure to exit after the redirect

        } else {

            echo "Error updating record: " . mysqli\_error($conn);

        }

    }

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/dashboard.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

    </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

    </script>

</head>

<body>

    <div class="container mt-3">

    <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">UPDATE ROOM DETAILS</H1>

        <!-- Display the data of the selected Room in the form fields -->

        <form method="POST">

            <input type="hidden" name="id" value="<?php echo $row['id']; ?>">

            <div class="mb-3">

                <label for="room\_name" class="form-label">Room Name</label>

                <input type="text" class="form-control" id="room\_name" name="room\_name"

                    value="<?php echo $row['room\_name']; ?>">

            </div>

            <div class="mb-3">

                <label for="room\_type" class="form-label">Room Type</label>

                <select class="form-select" id="room\_type" name="room\_type">

                    <?php

                    // Define the allowed Room type

                    $allowed\_room\_types = array('Lab', 'Lec');

                    // Loop through each allowed subjcet type and create an option in the dropdown menu

                    foreach ($allowed\_room\_types as $room\_type) {

                        $selected = ($allowed\_room\_types == $row['room\_type']) ? 'selected' : '';

                        echo "<option value='$room\_type' $selected>$room\_type</option>";

                    }

                    ?>

                </select>

            </div>

            <div class="mb-3">

                <label for="room\_capacity" class="form-label">room\_capacity</label>

                <input type="text" class="form-control" id="room\_capacity" name="room\_capacity"

                    value="<?php echo $row['room\_capacity']; ?>">

            </div>

            <button type="submit" name="update" class="btn btn-primary">Update</button>

            <a href="room\_list.php" class="btn btn-danger">Back</a>

        </form>

    </div>

    <!-- CDN Bootstrap JS and dependencies -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-X9rjbZitmdP6ROkU6KFpP0o+IKwOmR1SHz0UUN/u0W8+k2l2QKLmYJlL3aWpKR8y" crossorigin="anonymous">

    </script>

</body>

</html>

**section\_create.php**

<?php

// include the database connection file

include 'database\_connection.php';

include 'index.php';

// check if the form is submitted

if (isset($\_POST['submit'])) {

    // get the form data

    $section\_name = mysqli\_real\_escape\_string($conn,$\_POST['section\_name']);

    // check if a record with the same section name, start date, and end date already exists

    $sql = "SELECT \* FROM sections WHERE section\_name = '$section\_name'";

    $result = mysqli\_query($conn, $sql);

    if (mysqli\_num\_rows($result) > 0) {

        echo '<script type="text/javascript">';

        echo ' alert("A section with the same name and course");';

        echo ' window.location.href = "section\_create.php";';

        echo '</script>';

        exit;

    }

    // insert the data into the database

    $sql = "INSERT INTO sections ( section\_name) VALUES ( '$section\_name')";

    if (mysqli\_query($conn, $sql)) {

        echo '<script type="text/javascript">';

        echo ' alert("New record added successfully!");';

        echo ' window.location.href = "section\_list.php";';

        echo '</script>';

        exit;

    } else {

        echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

    }

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/dashboard.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

        </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

        </script>

<body>

    <div class="container mt-3">

    <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">ADD SECTION</H1>

        <form method="post">

            <div class="mb-3 mt-3">

                <label for="section\_name" class="form-label"> Section Name</label>

                <select class="form-select" id="section\_name" name="section\_name" required>

                    <option value="">Select </option>

                    <option value="A">A</option>

                    <option value="B">B</option>

                    <option value="C">C</option>

                    <option value="D">D</option>

                    <option value="E">E</option>

                    <option value="F">F</option>

                </select>

            </div>

            <button type="submit" class="btn btn-primary" name="submit">Create</button>

            <a href="section\_list.php" class="btn btn-danger" name="back">Back</a>

        </form>

    </div>

</body>

</html>

**section\_list.php**

<?php

include 'database\_connection.php';

include 'index.php';

// Delete section if delete\_id is set in the URL parameters

if (isset($\_GET['delete\_id'])) {

    $id = $\_GET['delete\_id'];

    $sql = "DELETE FROM sections WHERE id='$id'";

    if ($conn->query($sql) === TRUE) {

        echo "<script>alert('section deleted successfully');</script>";

        echo "<script>window.location.href = 'section\_list.php';</script>";

    } else {

        echo "Error deleting record: " . $conn->error;

    }

}

// Execute search query if search form is submitted

if (isset($\_POST['search'])) {

    $search\_term = $\_POST['search'];

    $query = "SELECT \* FROM sections WHERE section\_name LIKE '%$search\_term%'";

    $result = $conn->query($query);

} else {

    $query = "SELECT \* FROM sections";

    $result = $conn->query($query);

}

?>

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    <!-- Required meta tags -->

    <meta charset="utf-8">

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    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/sections.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

    </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

    </script>

</head>

<body>

    <div class="container">

        <div class="container">

        <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">SECTION LIST</H1>

            <form method="POST">

                <div class="input-group mb-3">

                    <input type="text" class="form-control rounded" placeholder="Search by section\_name"

                        name="search">

                    <button type="submit" class="btn btn-primary">Search</button>

                </div>

            </form>

            <a href="section\_create.php" class="btn btn-success mb-3"><i class='fas fa-user-plus'></i> Add section</a>

            <table class="table table-bordered table-hover text-center" style="border:1px solid black">

                <thead class="bg-warning">

                    <tr>

                        <th>No.</th>

                        <th>Section Name</th>

                        <th>Action</th>

                    </tr>

                </thead>

                <tbody style="font-size:1.2rem;font-family:monospace">

                    <?php

                    // Execute search query if search form is submitted

                    if (isset($\_POST['search'])) {

                        $search\_term = $\_POST['search'];

                        $query = "SELECT \* FROM sections WHERE section\_name LIKE '%$search\_term%'";

                        $result = $conn->query($query);

                        if (!$result) {

                            die("Error executing search query: " . $conn->error);

                        }

                    } else {

                        $query = "SELECT \* FROM sections";

                        $result = $conn->query($query);

                        if (!$result) {

                            die("Error executing query: " . $conn->error);

                        }

                    }

                    ?>

                    <?php

                    if ($result->num\_rows > 0) {

                        // output data of each row

                        $i = 1;

                        while ($row = $result->fetch\_assoc()) {

                            echo "<tr>";

                            echo "<td>" . $i . "</td>";

                            echo "<td>" . $row["section\_name"] . "</td>";

                            echo "<td>";

                            echo "<a href='section\_update.php?id=" . $row["id"] . "' class='btn btn-primary btn-sm'>Update<i class='fas fa-edit'></i></a>&nbsp";

                            echo "<a href='" . $\_SERVER['PHP\_SELF'] . "?delete\_id=" . $row["id"] . "' class='btn btn-danger btn-sm' onclick=\"return confirm('Are you sure you want to delete this section?')\">Delete<i class='fas fa-trash'></i></a>";

                            echo "</td>";

                            echo "</tr>";

                            $i++;

                        }

                    } else {

                        echo "<tr><td colspan='5'>No sections found</td></tr>";

                    }

                    ?>

                </tbody>

            </table>

        </div>

    </div>

</body>

</html>

**section\_update.php**

<?php

// include the database connection file

include 'database\_connection.php';

include 'index.php';

// Fetching data from the database

if (isset($\_GET['id'])) {

    $id = mysqli\_real\_escape\_string($conn, $\_GET['id']);

    $sql = "SELECT \* FROM sections WHERE id ='$id'";

    $result = mysqli\_query($conn, $sql);

    if ($result && mysqli\_num\_rows($result) > 0) {

        $row = mysqli\_fetch\_assoc($result);

    } else {

        // If there was an error in the query, display an error message and exit

        echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

        exit();

    }

}

// Updating data in the database

if (isset($\_POST['update'])) {

    // First, retrieve the data from the form and sanitize it

    $id = mysqli\_real\_escape\_string($conn, $\_POST['id']);

    $section\_name = mysqli\_real\_escape\_string($conn, $\_POST['section\_name']);

    // Then, check if the section name, course and year already exists in the database

    $sql = "SELECT \* FROM sections WHERE  section\_name='$section\_name'AND id!='$id'";

    $result = mysqli\_query($conn, $sql);

    if (mysqli\_num\_rows($result) > 0) {

        // If the section with the same name, course and year already exists, display an error message

        echo '<script type="text/javascript">';

        echo ' alert("section name already exist")';

        echo '</script>';

    } else {

        // If the section with the same name, course and year does not exist, update the data in the database

        $sql = "UPDATE sections SET = section\_name='$section\_name', WHERE id='$id'";

        if (mysqli\_query($conn, $sql)) {

            // Data updated successfully, display an alert message and redirect to section\_list.php

            echo '<script type="text/javascript">';

            echo ' alert("Record updated successfully!");';

            echo ' window.location.href = "section\_list.php";';

            echo '</script>';

            exit; // Make sure to exit after the redirect

        } else {

            echo "Error updating record: " . mysqli\_error($conn);

        }

    }

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/dashboard.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

        </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

        </script>

</head>

<body>

    <div class="container mt-3">

    <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">UPDATE SECTION DETAILS</H1>

        <!-- Display the data of the selected section in the form fields -->

        <form method="POST">

            <div class="mb-3">

                <input type="hidden" name="id" value="<?php echo $row['id']; ?>">

                <div class="mb-3">

                    <label for="section\_name" class="form-label">Section Name</label>

                    <select class="form-select" id="section\_name" name="section\_name">

                        <?php

                        // Define the allowed section names

                        $allowed\_section\_names = array('A', 'B', 'C', 'D', 'E', 'F');

                        // Loop through each allowed section name and create an option in the dropdown menu

                        foreach ($allowed\_section\_names as $section\_name) {

                            $selected = ($section\_name == $row['section\_name']) ? 'selected' : '';

                            echo "<option value='$section\_name' $selected>$section\_name</option>";

                        }

                        ?>

                    </select>

                </div>

                <?php

                // Fetching data from the database to display the selected course\_name

                if (isset($\_GET['id'])) {

                    $id = mysqli\_real\_escape\_string($conn, $\_GET['id']);

                    $sql = "SELECT \* FROM sections WHERE id ='$id'";

                    $result = mysqli\_query($conn, $sql);

                    if ($result && mysqli\_num\_rows($result) > 0) {

                        $row = mysqli\_fetch\_assoc($result);

                        $selected\_course\_name = $row['section\_name']; // Retrieve the selected course\_name from the database

                    } else {

                        // If there was an error in the query, display an error message and exit

                        echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

                        exit();

                    }

                }

                ?>

            <button type="submit" name="update" class="btn btn-primary">Update</button>

            <a href="section\_list.php" class="btn btn-danger">Back</a>

        </form>

    </div>

    <!-- CDN Bootstrap JS and dependencies -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-X9rjbZitmdP6ROkU6KFpP0o+IKwOmR1SHz0UUN/u0W8+k2l2QKLmYJlL3aWpKR8y" crossorigin="anonymous">

        </script>

</body>

</html>

**semester\_create.php**

<?php

// include the database connection file

include 'database\_connection.php';

include 'index.php';

// check if the form is submitted

if (isset($\_POST['submit'])) {

    // get the form data

    $semester\_name = mysqli\_real\_escape\_string($conn, $\_POST['semester\_name']);

    $start\_year = mysqli\_real\_escape\_string($conn, $\_POST['start\_year']);

    $end\_year = mysqli\_real\_escape\_string($conn, $\_POST['end\_year']);

    // check if a record with the same semester name, start date, and end date already exists

    $sql = "SELECT \* FROM semesters WHERE semester\_name = '$semester\_name' AND start\_year = '$start\_year' AND end\_year = '$end\_year'";

    $result = mysqli\_query($conn, $sql);

    if (mysqli\_num\_rows($result) > 0) {

        echo '<script type="text/javascript">';

        echo ' alert("A semester with the same name and date range already exists!");';

        echo ' window.location.href = "semester\_create.php";';

        echo '</script>';

        exit;

    } else {

        // Check if a record with the same semester name, but different start and end years already exists

        $sql = "SELECT \* FROM semesters WHERE semester\_name = '$semester\_name' AND (start\_year != '$start\_year' OR end\_year != '$end\_year')";

        $result = mysqli\_query($conn, $sql);

        if (mysqli\_num\_rows($result) > 0) {

            echo '<script type="text/javascript">';

            echo ' alert("A semester with the same name but different date range is not allowed delete the existing first");';

            echo ' window.location.href = "semester\_create.php";';

            echo '</script>';

            exit;

        }

        // insert the data into the database

        $sql = "INSERT INTO semesters ( semester\_name, start\_year, end\_year) VALUES ('$semester\_name', '$start\_year', '$end\_year')";

        if (mysqli\_query($conn, $sql)) {

            echo '<script type="text/javascript">';

            echo ' alert("New record added successfully!");';

            echo ' window.location.href = "semester\_list.php";';

            echo '</script>';

            exit;

        } else {

            echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

        }

    }

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/\_form.css">

    <title>Add Semester </title>

</head>

<body>

    <div class="container mt-3">

        <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)"

            class="fw-bolder text-center text-warning mt-3 text-outline">ADD SEMESTER</H1>

        <form method="post">

            <div class="mb-3 mt-3">

                <label for="semester\_name" class="form-label">Name</label>

                <select class="form-select" id="semester\_name" name="semester\_name" required>

                    <option value="">Select</option>

                    <option value="1st SEM">1st SEM</option>

                    <option value="2nd Sem">2nd SEM</option>

                    <option value="Midyear">Midyear</option>

                </select>

            </div>

            <div class="mb-3">

                <label for="start\_year" class="form-label">Start Year:</label>

                <input type="number" class="form-control" id="start\_year" name="start\_year" min="2022" max="2099"

                    required>

            </div>

            <div class="mb-3">

                <label for="end\_year" class="form-label">End Year:</label>

                <input type="number" class="form-control" id="end\_year" name="end\_year" min="2023" max="2099" required>

            </div>

            <button type="submit" class="btn btn-primary" name="submit">Create</button>

            <a href="semester\_list.php" class="btn btn-danger" name="back">Back</a>

        </form>

    </div>

</body>

</html>

**semester\_list.php**

<?php

include 'database\_connection.php';

include 'index.php';

// Delete semester if delete\_id is set in the URL parameters

if (isset($\_GET['delete\_id'])) {

    $id = $\_GET['delete\_id'];

    // Check the number of rows before deleting

    $countQuery = "SELECT COUNT(\*) as total FROM semesters";

    $countResult = $conn->query($countQuery);

    $rowCount = $countResult->fetch\_assoc()['total'];

    if ($rowCount > 1) {

        $sql = "DELETE FROM semesters WHERE id='$id'";

        if ($conn->query($sql) === TRUE) {

            echo "<script>alert('Semester deleted successfully');</script>";

            echo "<script>window.location.href = 'semester\_list.php';</script>";

        } else {

            echo "Error deleting record: " . $conn->error;

        }

    } else {

        echo '<script type="text/javascript">';

        echo ' alert("Unable to delete. At least one semester must be present.");';

        echo ' window.location.href = "semester\_list.php";';

        echo '</script>';    }

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/dashboard.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

        </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP"

        crossorigin="anonymous"></script>

    <title>Semester List</title>

</head>

<body>

    <div class="container">

        <div class="container">

        <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">SEMESTER LIST</H1>

            <form method="POST" action="semester\_list.php">

                <div class="input-group mb-3">

                    <input type="text" class="form-control rounded" placeholder="Search by semester name or ID" name="search">

                    <button type="submit" class="btn btn-primary">Search</button>

                </div>

            </form>

            <a href="semester\_create.php" class="btn btn-success mb-3">Add Semester</a>

            <table class="table table-bordered table-hover text-center" style="border:1px solid black">

              <thead class="bg-warning">

                    <tr>

                        <th>No.</th>

                        <th>Semester Name</th>

                        <th>Start Year</th>

                        <th>End Year</th>

                        <th>Action</th>

                    </tr>

                </thead>

                <tbody style="font-size:1.2rem;font-family:monospace">

                    <?php

                    // Execute search query if search form is submitted

                    if (isset($\_POST['search'])) {

                        $search\_term = $\_POST['search'];

                        $query = "SELECT \* FROM semesters WHERE semester\_name LIKE '%$search\_term%' OR semester\_id LIKE '%$search\_term%'";

                        $result = $conn->query($query);

                        if (!$result) {

                            die("Error executing search query: " . $conn->error);

                        }

                    } else {

                        $query = "SELECT \* FROM semesters";

                        $result = $conn->query($query);

                        if (!$result) {

                            die("Error executing query: " . $conn->error);

                        }

                    }

                    // Check if any rows were returned

                    if ($result->num\_rows > 0) {

                        // output data of each row

                        $i = 1;

                        while ($row = $result->fetch\_assoc()) {

                            echo "<tr>";

                            echo "<td>" . $i . "</td>";

                            echo "<td>" . $row["semester\_name"] . "</td>";

                            echo "<td>" . $row["start\_year"] . "</td>";

                            echo "<td>" . $row["end\_year"] . "</td>";

                            echo "<td><a href='semester\_update.php?id=" . $row["id"] . "' class='btn btn-primary btn-sm me-1'>Update</a>";

                            echo "<a href='semester\_list.php?delete\_id=" . $row["id"] . "' class='btn btn-danger btn-sm me-1'>Delete</a></td>";

                            echo "</tr>";

                            $i++;

                        }

                    } else {

                        echo "No results found";

                    }

                    ?>

                </tbody>

            </table>

        </div>

    </div>

</body>

</html>

**semester\_update.php**

<?php

// include the database connection file

include 'database\_connection.php';

include 'index.php';

// Fetching data from the database

if (isset($\_GET['id'])) {

    $id = mysqli\_real\_escape\_string($conn, $\_GET['id']);

    $sql = "SELECT \* FROM semesters WHERE id ='$id'";

    $result = mysqli\_query($conn, $sql);

    if ($result && mysqli\_num\_rows($result) > 0) {

        $row = mysqli\_fetch\_assoc($result);

    } else {

        // If there was an error in the query, display an error message and exit

        echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

        exit();

    }

}

// Updating data in the database

if (isset($\_POST['update'])) {

    // First, retrieve the data from the form and sanitize it

    $id = mysqli\_real\_escape\_string($conn, $\_POST['id']);

    $semester\_name = mysqli\_real\_escape\_string($conn, $\_POST['semester\_name']);

    $start\_year = mysqli\_real\_escape\_string($conn, $\_POST['start\_year']);

    $end\_year = mysqli\_real\_escape\_string($conn, $\_POST['end\_year']);

    // Then, check if the semester name, start date and end date already exists in the database

    $sql = "SELECT \* FROM semesters WHERE semester\_name='$semester\_name' AND start\_year='$start\_year' AND end\_year='$end\_year' AND id!='$id'";

    $result = mysqli\_query($conn, $sql);

    if (mysqli\_num\_rows($result) > 0) {

        // If the semester with the same name, start date and end date already exists, display an error message

        echo '<script type="text/javascript">';

        echo ' alert("Semester with the same name, start date and end date already exists!")';

        echo '</script>';

    } else {

        // If the semester with the same name, start date and end date does not exist, update the data in the database

        $sql = "UPDATE semesters SET semester\_name='$semester\_name', start\_year ='$start\_year', end\_year='$end\_year' WHERE id='$id'";

        if (mysqli\_query($conn, $sql)) {

            // Data updated successfully, display an alert message and redirect to semester\_list.php

            echo '<script type="text/javascript">';

            echo ' alert("Record updated successfully!");';

            echo ' window.location.href = "semester\_list.php";';

            echo '</script>';

            exit; // Make sure to exit after the redirect

        } else {

            echo "Error updating record: " . mysqli\_error($conn);

        }

    }

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/dashboard.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

        </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP"

        crossorigin="anonymous"></script>

</head>

<body>

    <div class="container mt-3">

        <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)"

            class="fw-bolder text-center text-warning mt-3 text-outline">UPDATE SEMESTER DETAILS</H1>

        <!-- Display the data of the selected semester in the form fields -->

        <form method="POST" action="">

            <input type="hidden" name="id" value="<?php echo $row['id']; ?>">

            <div class="mb-3">

                <label for="semester\_name" class="form-label">Semester Name</label>

                <select class="form-select" id="semester\_name" name="semester\_name">

                    <?php

                    // Define the allowed semester names

                    $allowed\_semester\_names = array('1st SEM', '2nd SEM', 'Midyear');

                    // Loop through each allowed semester name and create an option in the dropdown menu

                    foreach ($allowed\_semester\_names as $semester\_name) {

                        $selected = ($semester\_name == $row['semester\_name']) ? 'selected' : '';

                        echo "<option value='$semester\_name' $selected>$semester\_name</option>";

                    }

                    ?>

                </select>

            </div>

            <div class="mb-3">

                <label for="start\_year" class="form-label">Start Year</label>

                <input type="number" class="form-control" id="start\_year" name="start\_year"

                    value="<?php echo $row['start\_year']; ?>" min="2022" max="2099" required>

            </div>

            <div class="mb-3">

                <label for="end\_year" class="form-label">End Year</label>

                <input type="number" class="form-control" id="end\_year" name="end\_year"

                    value="<?php echo $row['end\_year']; ?>" min="2022" max="2099" required>

            </div>

            <button type="submit" name="update" class="btn btn-primary">Update</button>

            <a href="semester\_list.php" class="btn btn-danger">Back</a>

        </form>

    </div>

    <!-- CDN Bootstrap JS and dependencies -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-X9rjbZitmdP6ROkU6KFpP0o+IKwOmR1SHz0UUN/u0W8+k2l2QKLmYJlL3aWpKR8y"

        crossorigin="anonymous"></script>

</body>

</html>

**subject\_create.php**

<?php

// include the database connection file

include 'database\_connection.php';

include 'index.php';

// check if the form is submitted

if (isset($\_POST['submit'])) {

    // get the form data

    $subject\_code = $\_POST['subject\_code'];

    $subject\_description = $\_POST['subject\_description'];

    $subject\_type = $\_POST['subject\_type'];

    $subject\_units = $\_POST['subject\_units'];

    $subject\_hours = $\_POST['subject\_hours'];

// check if a record with the same subject code and type already exists

$sql = "SELECT \* FROM subjects WHERE subject\_code='$subject\_code' AND subject\_type='$subject\_type' AND subject\_description='$subject\_description'";

$result = mysqli\_query($conn, $sql);

if (mysqli\_num\_rows($result) > 0) {

    if (mysqli\_query($conn, $sql)) {

        echo '<script type="text/javascript">';

        echo ' alert("Subject already exist!");';

        echo ' window.location.href = "subject\_list.php";';

        echo '</script>';

        exit;

    } else {

        echo "Error updating record: " . mysqli\_error($conn);

        exit;

    }

} else {

    // No record found, perform the insert

    $sql = "INSERT INTO subjects (subject\_code, subject\_description, subject\_type, subject\_units, subject\_hours) VALUES ('$subject\_code', '$subject\_description', '$subject\_type', '$subject\_units', '$subject\_hours')";

    if (mysqli\_query($conn, $sql)) {

        echo '<script type="text/javascript">';

        echo ' alert("New record added successfully!");';

        echo ' window.location.href = "subject\_list.php";';

        echo '</script>';

        exit;

    } else {

        echo "Error inserting record: " . mysqli\_error($conn);

        exit;

    }

}}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/\_form.css">

    <title>Add Subject </title>

</head>

<body>

    <div class="container mt-3">

    <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">ADD SUBJECT</H1>

        <form method="post">

            <div class="mb-3">

                <label for="subject\_code">Subject Code</label>

                <input type="text" class="form-control" id="subject\_code" name="subject\_code"

                    placeholder="Enter Subject Code">

            </div>

            <div class="mb-3">

                <label for="subject\_description">Subject Title</label>

                <input type="text" class="form-control" id="subject\_description" name="subject\_description"

                    placeholder="Enter Subject Description">

            </div>

            <div class="mb-3 mt-3">

                <label for="subject\_type" class="form-label">Subject Type</label>

                <select class="form-select" id="subject\_type" name="subject\_type" required>

                    <option value="">Select </option>

                    <option value="Lab">Lab</option>

                    <option value="Lec">Lec</option>

                </select>

            </div>

            <div class="mb-3">

                <label for="subject\_units">Units</label>

                <input type="number" class="form-control" id="subject\_units" name="subject\_units"

                    placeholder="Enter number of Units">

            </div>

            <div class="mb-3 mt-3">

                <label for="subject\_hours" class="form-label">Subject Hours</label>

                <select class="form-select" id="subject\_hours" name="subject\_hours" required>

                    <option value="">Select </option>

                    <option value="1">1 hour</option>

                    <option value="2">2 hours</option>

                    <option value="1.5">1 hour and 30 minutes</option>

                    <option value="3">3 hours</option>

                </select>

            </div>

            <button type="submit" class="btn btn-primary" name="submit">Create</button>

            <a href="subject\_list.php" class="btn btn-danger" name="back">Back</a>

        </form>

    </div>

</body>

</html>

**subject\_list.php**

<?php

include 'database\_connection.php';

include 'index.php';

// Delete section if delete\_id is set in the URL parameters

if (isset($\_GET['delete\_id'])) {

    $id = $\_GET['delete\_id'];

    $sql = "DELETE FROM subjects WHERE id='$id'";

    if ($conn->query($sql) === TRUE) {

        echo "<script>alert('subject deleted successfully');</script>";

        echo "<script>window.location.href = 'subject\_list.php';</script>";

    } else {

        echo "Error deleting record: " . $conn->$error;

    }

}

// Execute search query if search form is submitted

if (isset($\_POST['search'])) {

    $search\_term = $\_POST['search'];

    $query = "SELECT \* FROM subjects WHERE subject\_description LIKE '%$search\_term%' OR subject\_code LIKE '%$search\_term%' OR subject\_type LIKE '%$search\_term%'";

} else {

    $query = "SELECT \* FROM subjects";

    $result = $conn->query($query);

}

?>

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<head>

    <!-- Required meta tags -->

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    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/subjects.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

    </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

    </script>

</head>

<body>

    <div class="container">

        <div class="container">

        <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline"> SUBJECT LIST</H1>

            <form method="POST">

                <div class="input-group mb-3">

                    <input type="text" class="form-control rounded" placeholder="Search by Subject Description/Code/Type"

                        name="search">

                    <button type="submit" class="btn btn-primary">Search</button>

                </div>

            </form>

            <a href="subject\_create.php" class="btn btn-success mb-3"><i class='fas fa-user-plus'></i> Add Subject</a>

            <table class="table table-bordered table-hover text-center" style="border:1px solid black">

                <thead class="bg-warning">

                    <tr>

                        <th>No.</th>

                        <th>Subject Code</th>

                        <th>Subject Title</th>

                        <th>Subject Type</th>

                        <th>Units</th>

                        <th>Contact hours</th>

                        <th>Action</th>

                    </tr>

                </thead>

                <tbody style="font-size:1.2rem;font-family:monospace">

                    <?php

                    // Execute search query if search form is submitted

                    if (isset($\_POST['search'])) {

                        $search\_term = $\_POST['search'];

                        $query = "SELECT \* FROM subjects WHERE subject\_description LIKE '%$search\_term%' OR subject\_code LIKE '%$search\_term%' OR subject\_type LIKE '%$search\_term%'";

                        $result = $conn->query($query);

                        if (!$result) {

                            die("Error executing search query: " . $conn->$error);

                        }

                    } else {

                        $query = "SELECT \* FROM subjects";

                        $result = $conn->query($query);

                        if (!$result) {

                            die("Error executing query: " . $conn->$error);

                        }

                    }

                    ?>

                    <?php

                    if ($result->num\_rows > 0) {

                        // output data of each row

                        $i = 1;

                        while ($row = $result->fetch\_assoc()) {

                            echo "<tr>";

                            echo "<td>" . $i . "</td>";

                            echo "<td>" . $row["subject\_code"] . "</td>";

                            echo "<td>" . $row["subject\_description"] . "</td>";

                            echo "<td>" . $row["subject\_type"] . "</td>";

                            echo "<td>" . $row["subject\_units"] . "</td>";

                            echo "<td>" . $row["subject\_hours"] . "</td>";

                            echo "<td>";

                            echo "<a href='subject\_update.php?id=" . $row["id"] . "' class='btn btn-primary btn-sm'>Update<i class='fas fa-edit'></i></a>&nbsp";

                            echo "<a href='" . $\_SERVER['PHP\_SELF'] . "?delete\_id=" . $row["id"] . "' class='btn btn-danger btn-sm' onclick=\"return confirm('Are you sure you want to delete this subject?')\">Delete<i class='fas fa-trash'></i></a>";

                            echo "</td>";

                            echo "</tr>";

                            $i++;

                        }

                    } else {

                        echo "<tr><td colspan='5'>No subjects found</td></tr>";

                    }

                    ?>

                </tbody>

            </table>

        </div>

    </div>

</body>

</html>

**subject\_update.php**

<?php

// include the database connection file

include 'database\_connection.php';

include 'index.php';

// Fetching data from the database

if (isset($\_GET['id'])) {

    $id = mysqli\_real\_escape\_string($conn, $\_GET['id']);

    $sql = "SELECT \* FROM subjects WHERE id ='$id'";

    $result = mysqli\_query($conn, $sql);

    if ($result && mysqli\_num\_rows($result) > 0) {

        $row = mysqli\_fetch\_assoc($result);

    } else {

        // If there was an error in the query, display an error message and exit

        echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

        exit();

    }

}

// Updating data in the database

if (isset($\_POST['update'])) {

    // First, retrieve the data from the form and sanitize it

    $subject\_code = mysqli\_real\_escape\_string($conn, $\_POST['subject\_code']);

    $subject\_description = mysqli\_real\_escape\_string($conn, $\_POST['subject\_description']);

    $subject\_type = mysqli\_real\_escape\_string($conn, $\_POST['subject\_type']);

    $subject\_units = mysqli\_real\_escape\_string($conn, $\_POST['subject\_units']);

    $subject\_hours = mysqli\_real\_escape\_string($conn, $\_POST['subject\_hours']);

    // Then, check if the subject code, description and type already exists in the database

    $sql = "SELECT \* FROM subjects WHERE subject\_code = '$subject\_code' AND subject\_description ='$subject\_description' AND subject\_type= '$subject\_type'  AND id!='$id'";

    $result = mysqli\_query($conn, $sql);

    if (mysqli\_num\_rows($result) > 0) {

        // If the subject with the same subject code, description and type already exists, display an error message

        echo '<script type="text/javascript">';

        echo ' alert("subject with the same subject code, description and type already exists!")';

        echo '</script>';

    } else {

        // If the section with the same subject code, description and type does not exist, update the data in the database

        $sql = "UPDATE subjects SET subject\_code='$subject\_code', subject\_description='$subject\_description', subject\_type='$subject\_type', subject\_units='$subject\_units', subject\_hours='$subject\_hours' WHERE id='$id'";

        if (mysqli\_query($conn, $sql)) {

            // Data updated successfully, display an alert message and redirect to subject\_list.php

            echo '<script type="text/javascript">';

            echo ' alert("Record updated successfully!");';

            echo ' window.location.href = "subject\_list.php";';

            echo '</script>';

            exit; // Make sure to exit after the redirect

        } else {

            echo "Error updating record: " . mysqli\_error($conn);

        }

    }

}

?>

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<html lang="en">

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    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

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        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/dashboard.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

        </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

        </script>

</head>

<body>

    <div class="container mt-3">

    <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">UPDATE SUBJECT DETAILS</H1>

        <!-- Display the data of the selected subject in the form fields -->

        <form method="POST">

            <input type="hidden" name="id" value="<?php echo $row['id']; ?>">

            <div class="mb-3">

                <label for="subject\_code" class="form-label">Subject Code</label>

                <input type="text" class="form-control" id="subject\_code" name="subject\_code"

                    value="<?php echo $row['subject\_code']; ?>">

            </div>

            <div class="mb-3">

                <label for="subject\_description" class="form-label">Subject Title</label>

                <input type="text" class="form-control" id="subject\_description" name="subject\_description"

                    value="<?php echo $row['subject\_description']; ?>">

            </div>

            <div class="mb-3">

                <label for="subject\_type" class="form-label">Subject Type</label>

                <select class="form-select" id="subject\_type" name="subject\_type">

                    <?php

                    // Define the allowed subject type

                    $allowed\_subject\_types = array('Lab', 'Lec');

                    // Loop through each allowed subjcet type and create an option in the dropdown menu

                    foreach ($allowed\_subject\_types as $subject\_type) {

                        $selected = ($allowed\_subject\_types == $row['subject\_type']) ? 'selected' : '';

                        echo "<option value='$subject\_type' $selected>$subject\_type</option>";

                    }

                    ?>

                </select>

            </div>

            <div class="mb-3">

                <label for="subject\_units" class="form-label">Units</label>

                <input type="text" class="form-control" id="subject\_units" name="subject\_units"

                    value="<?php echo $row['subject\_units']; ?>">

            </div>

            <div class="mb-3">

                <label for="subject\_hours" class="form-label">Subject Hours</label>

                <select class="form-select" id="subject\_hours" name="subject\_hours">

                    <?php

                    // Define the allowed subject hours

                    $allowed\_subject\_hours = array(1, 1.5, 3, );

                    // Loop through each allowed subject hour and create an option in the dropdown menu

                    foreach ($allowed\_subject\_hours as $subject\_hour) {

                        $selected = ($subject\_hour == $row['subject\_hours']) ? 'selected' : '';

                        echo "<option value='$subject\_hour' $selected>$subject\_hour</option>";

                    }

                    ?>

                </select>

            </div>

            <button type="submit" name="update" class="btn btn-primary">Update</button>

            <a href="subject\_list.php" class="btn btn-danger">Back</a>

        </form>

    </div>

    <!-- CDN Bootstrap JS and dependencies -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-X9rjbZitmdP6ROkU6KFpP0o+IKwOmR1SHz0UUN/u0W8+k2l2QKLmYJlL3aWpKR8y" crossorigin="anonymous">

        </script>

</body>

</html>

**teacher\_create.php**

<?php

// Include the db connection PHP file

include 'database\_connection.php';

include 'index.php';

// Check if user is not logged in

if (!isset($\_SESSION['user\_id'])) {

    header("Location: login.php");

    exit;

}

// Inserting data into the teachers table

if (isset($\_POST['submit'])) {

    $firstname = mysqli\_real\_escape\_string($conn, $\_POST['firstname']);

    $lastname = mysqli\_real\_escape\_string($conn, $\_POST['lastname']);

    $teacher\_id = mysqli\_real\_escape\_string($conn, $\_POST['teacher\_id']);

    // Check if the teacher already exists in the database

    $sql = "SELECT \* FROM teachers WHERE firstname = '$firstname' AND lastname = '$lastname' OR teacher\_id = '$teacher\_id'";

    $result = mysqli\_query($conn, $sql);

    if (mysqli\_num\_rows($result) > 0) {

        // Teacher already exists in the database, display an error message

        echo '<script type="text/javascript">';

        echo ' alert("Teacher already exists!");';

        echo ' window.location.href = "teacher\_list.php";'; // Redirect to teacher list page

        echo '</script>';

        exit; // Exit after the redirect

    } else {

        // Teacher does not exist in the database, insert the data into the table

        $sql = "INSERT INTO teachers (firstname, lastname, teacher\_id) VALUES ('$firstname', '$lastname', '$teacher\_id')";

        if (mysqli\_query($conn, $sql)) {

            echo '<script type="text/javascript">';

            echo ' alert("New record added successfully!");';

            echo ' window.location.href = "teacher\_list.php";'; // Redirect to teacher list page

            echo '</script>';

            exit; // Exit after the redirect

        } else {

            echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

        }

    }

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/dashboard.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

    </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

    </script>

</head>

<body>

    <title>Add teacher</title>

    <div class="container mt-3">

    <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">ADD TEACHER</H1>

        <form method="post">

            <div class="mb-3">

                <label for="teacher\_id" class="form-label">Teacher ID:</label>

                <input type="number" class="form-control" id="teacher\_id" placeholder="Enter teacher id"

                    name="teacher\_id" required>

            </div>

            <div class="mb-3 mt-3">

                <label for="firstname" class="form-label">Firstname</label>

                <input type="text" class="form-control" id="firstname" placeholder="Enter firstname" name="firstname"

                    required>

            </div>

            <div class="mb-3 mt-3">

                <label for="lastname" class="form-label">Lastname</label>

                <input type="text" class="form-control" id="lastname" placeholder="Enter lastname" name="lastname"

                    required>

            </div>

            <button type="submit" class="btn btn-primary" name="submit">Create</button>

            <a href="teacher\_list.php" class="btn btn-danger" name="back">Back</a>

        </form>

    </div>

</body>

</html>

**Teacher\_list.php**

<?php

include 'database\_connection.php';

include 'index.php';

// Delete teacher if delete\_id is set in the URL parameters

if (isset($\_GET['delete\_id'])) {

    $id = $\_GET['delete\_id'];

    $sql = "DELETE FROM teachers WHERE id='$id'";

    if ($conn->query($sql) === TRUE) {

        echo "<script>alert('Teacher deleted successfully');</script>";

        echo "<script>window.location.href = 'teacher\_list.php';</script>";

    } else {

        echo "Error deleting record: " . $conn->$error;

    }

}

// Execute search query if search form is submitted

if (isset($\_POST['search'])) {

    $search\_term = $\_POST['search'];

    $query = "SELECT \* FROM teachers WHERE firstname LIKE '%$search\_term%' OR lastname LIKE '%$search\_term%' OR teacher\_id like '%$search\_term%'";

    $result = $conn->query($query);

} else {

    $query = "SELECT \* FROM teachers ORDER BY lastname  ASC";

    $result = $conn->query($query);

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/dashboard.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

    </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP" crossorigin="anonymous">

    </script>

</head>

<body>

    <div class="container">

        <div class="container">

        <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">TEACHER LIST</H1>

            <form method="POST">

                <div class="input-group mb-3">

                    <input type="text" class="form-control rounded" placeholder="Search by firstname or lastname or id"

                        name="search">

                    <button type="submit" class="btn btn-primary">Search</button>

                </div>

            </form>

            <a href="teacher\_create.php" class="btn btn-success mb-3"><i class='fas fa-user-plus'></i> Add Teacher</a>

            <table class="table table-bordered table-hover text-center" style="border:1px solid black">

                <thead class="bg-warning">

                    <tr>

                        <th>No.</th>

                        <th>Teacher ID</th>

                        <th>Lastname</th>

                        <th>Firstname</th>

                        <th>Action</th>

                    </tr>

                </thead>

                <tbody style="font-size:1.2rem;font-family:monospace">

                    <?php

                    if ($result->num\_rows > 0) {

                        // output data of each row

                        $i = 1;

                        while ($row = $result->fetch\_assoc()) {

                            echo "<tr>";

                            echo "<td>" . $i . "</td>";

                            echo "<td>" . $row["teacher\_id"] . "</td>";

                            echo "<td>" . $row["lastname"] . "</td>";

                            echo "<td>" . $row["firstname"] . "</td>";

                            echo "<td>";

                            echo "<a href='teacher\_update.php?id=" . $row["id"] . "' class='btn btn-primary btn-sm'>Update<i class='fas fa-edit'></i></a>&nbsp";

                            echo "<a href='" . $\_SERVER['PHP\_SELF'] . "?delete\_id=" . $row["id"] . "' class='btn btn-danger btn-sm' onclick=\"return confirm('Are you sure you want to delete this teacher?')\">Delete<i class='fas fa-trash'></i></a>";

                            echo "</td>";

                            echo "</tr>";

                            $i++;

                        }

                    } else {

                        echo "<tr><td colspan='5'>No teachers found</td></tr>";

                    }

                    ?>

                </tbody>

            </table>

        </div>

    </div>

</body>

</html>

**teacher\_update.php**

<?php

//include the db connetion php file.

include 'database\_connection.php';

include 'index.php';

// Check if user is not logged in

if (!isset($\_SESSION['user\_id'])) {

    header("Location: login.php");

    exit;

}

// Fetching data from the database

if (isset($\_GET['id'])) {

    $teacher\_id = mysqli\_real\_escape\_string($conn, $\_GET['id']);

    $sql = "SELECT \* FROM teachers WHERE id ='$teacher\_id'";

    $result = mysqli\_query($conn, $sql);

    if ($result && mysqli\_num\_rows($result) > 0) {

        $row = mysqli\_fetch\_assoc($result);

    } else {

        // If there was an error in the query, display an error message and exit

        echo "Error: " . $sql . "<br>" . mysqli\_error($conn);

        exit();

    }

}

// Updating data in the database

if (isset($\_POST['update'])) {

    // First, retrieve the data from the form and sanitize it

    $id = mysqli\_real\_escape\_string($conn, $\_POST['id']);

    $firstname = mysqli\_real\_escape\_string($conn, $\_POST['firstname']);

    $lastname = mysqli\_real\_escape\_string($conn, $\_POST['lastname']);

    $teacher\_id = mysqli\_real\_escape\_string($conn, $\_POST['teacher\_id']);

    // Then, check if the teacher\_id already exists in the database

    $sql = "SELECT \* FROM teachers WHERE firstname = '$firstname' AND lastname = '$lastname' OR teacher\_id='$teacher\_id'";

    $result = mysqli\_query($conn, $sql);

    if (mysqli\_num\_rows($result) > 0) {

        // If the teacher\_id already exists, display an error message

        echo '<script type="text/javascript">';

        echo ' alert("Teacher ID already exists!")';

        echo '</script>';

    } else {

        // If the teacher\_id does not exist, update the data in the database

        $sql = "UPDATE teachers SET firstname='$firstname', lastname='$lastname', teacher\_id='$teacher\_id' WHERE id='$id'";

        if (mysqli\_query($conn, $sql)) {

            // Data updated successfully, display an alert message and redirect to teacher\_list.php

            echo '<script type="text/javascript">';

            echo ' alert("Record updated successfully!");';

            echo ' window.location.href = "teacher\_list.php";';

            echo '</script>';

            exit; // Make sure to exit after the redirect

        } else {

            echo "Error updating record: " . mysqli\_error($conn);

        }

    }

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/dashboard.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

        </script>

    <!-- CDN jquery -->

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    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-8t+gWy0JhGjbOxbtu2QzKACoVrAJRz/iBRymx1Ht/W1hXxrFL05t8PChqoo3sLsP"

        crossorigin="anonymous"></script>

</head>

<body>

    <div class="container mt-3">

    <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)" class="fw-bolder text-center text-warning mt-3 text-outline">UPDATE TEACHER INFORMATION</H1>

        <form method="post">

            <input type="hidden" name="id" value="<?php echo $row['id']; ?>">

            <div class="mb-3 mt-3">

                <label for="firstname" class="form-label">Firstname</label>

                <input type="text" class="form-control" id="firstname" placeholder="Enter firstname" name="firstname"

                    value="<?php echo $row['firstname']; ?>" required>

            </div>

            <div class="mb-3 mt-3">

                <label for="lastname" class="form-label">Lastname</label>

                <input type="text" class="form-control" id="lastname" placeholder="Enter lastname" name="lastname"

                    value="<?php echo $row['lastname']; ?>" required>

            </div>

            <div class="mb-3">

                <label for="teacher\_id" class="form-label">Teacher ID:</label>

                <input type="number" class="form-control" id="teacher\_id" placeholder="Enter teacher id"

                    name="teacher\_id" value="<?php echo $row['teacher\_id']; ?>" required>

            </div>

            <button type="submit" class="btn btn-primary" name="update">Update</button>

            <a href="teacher\_list.php" class="btn btn-danger" name="back">Back</a>

</body>

</html>

**timeslot\_list.php**

<?php

// include the database connection file

include 'database\_connection.php';

include 'index.php';

// Fetch the time slots from the database and order them by timeslot\_id

$result = $conn->query("SELECT start\_time, end\_time, duration, timeslot\_id\_based\_on\_duration FROM timeslots ORDER BY timeslot\_id\_based\_on\_duration ASC, start\_time ASC, end\_time ASC, duration ASC");

// Check if there are any time slots in the database

while ($row = $result->fetch\_assoc()) {

    // Determine AM or PM based on the hour value

    $start\_time = date('h:i A', strtotime($row['start\_time']));

    $end\_time = date('h:i A', strtotime($row['end\_time']));

    $timeSlots[] = array(

        'start\_time' => $start\_time,

        'end\_time' => $end\_time,

        'duration' => $row['duration'],

        'timeslot\_id' => $row['timeslot\_id\_based\_on\_duration']

    );

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!-- External CSS -->

    <link rel="stylesheet" href="css/dashboard.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

    </script>

    <!-- CDN jQuery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

</head>

<body>

<div class="container">

  <h4 class="mt-4 fw-bold text-center bg-warning">

    <p class="lead fw-bold">TIMESLOT ID IS BASED ON THE FOLLOWING: [1 = 1 HOUR] [4 = 1 HOUR AND 30 MINUTES] [2 = 2 HOURS] [3 = 3 HOURS]</p>

  </h4>

  <table class="table mt-4 table-bordered table table-hover text-center">

                <thead>

                    <tr>

                        <th>No.</th>

                        <th>Start Time</th>

                        <th>End Time</th>

                        <th>Timeslot ID</th>

                    </tr>

                </thead>

                <tbody>

    <?php

    if (!empty($timeSlots)) {

        $counter = 1;

        foreach ($timeSlots as $slot) {

            echo "<tr>";

            echo "<td>" . $counter . "</td>";

            echo "<td>" . $slot['start\_time'] . "</td>";

            echo "<td>" . $slot['end\_time'] . "</td>";

            echo "<td>" . $slot['timeslot\_id'] . "</td>";

            echo "</td>";

            echo "</tr>";

            $counter++;

        }

    } else {

        echo "<tr><td colspan='6'>No time slots found</td></tr>";

    }

    ?>

</tbody>

            </table>

        </div>

    </div>

</body>

</html>

**truncate\_table\_faculty\_loadings.php**

<?php

include 'database\_connection.php';

// Truncate the table

$sql = "TRUNCATE TABLE faculty\_loadings"; // replace table\_name with the name of the table you want to truncate



if ($conn->query($sql) === TRUE) {

    echo "Deleted successfully";

} else {

    echo "Error truncating table: " . $conn->$error;

}

$conn->close();

?>

**update.php**

<?php

// Start the session at the beginning of the file

include 'index.php';

// Check if the user is logged in

if (!isset($\_SESSION['user\_id'])) {

    // Redirect to the login page if the user is not logged in

    header('Location: login.php');

    exit();

}

// Include the database connection file

include 'database\_connection.php';

// Check if the form is submitted

if (isset($\_POST['submit'])) {

    // Get the form data

    $name = $\_POST['name'];

    $email = $\_POST['email'];

    $password = $\_POST['password'];

    // Validate the form data

    if (empty($name) || empty($email)) {

        $error\_message = 'Please fill in all the fields';

    } else {

        // Check if the email is already in use

        $user\_id = $\_SESSION['user\_id'];

        $sql\_check\_email = "SELECT \* FROM users WHERE email='$email' AND id!='$user\_id'";

        $result\_check\_email = mysqli\_query($conn, $sql\_check\_email);

        if (mysqli\_num\_rows($result\_check\_email) > 0) {

            $error\_message = 'Email address is already in use by another user';

        } else {

            // Update the user data in the database

            $user\_id = $\_SESSION['user\_id'];

            $sql = "UPDATE users SET name='$name', email='$email', password='$password' WHERE id='$user\_id'";

            $result = mysqli\_query($conn, $sql);

            if ($result) {

                $success\_message = 'User data updated successfully';

            } else {

                $error\_message = 'Error updating user data: ' . mysqli\_error($conn);

            }

        }

    }

    if (isset($success\_message)) {

        // Redirect to the dashboard page after showing the alert box

        echo "<script>alert('$success\_message'); window.location.href='dashboard.php';</script>";

        exit();

    }

}

// Fetch the user data from the database

$user\_id = $\_SESSION['user\_id'];

$sql\_fetch\_user\_data = "SELECT \* FROM users WHERE id='$user\_id'";

$result\_fetch\_user\_data = mysqli\_query($conn, $sql\_fetch\_user\_data);

$row\_fetch\_user\_data = mysqli\_fetch\_assoc($result\_fetch\_user\_data);

// Assign the user data to variables for displaying in the form

$name = $row\_fetch\_user\_data['name'];

$email = $row\_fetch\_user\_data['email'];

$password = $row\_fetch\_user\_data['password'];

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CDN Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

    <!--External CSS-->

    <link rel="stylesheet" href="css/index.css">

    <!-- CDN Bootstrap JS -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

        integrity="sha384-xm/1MSCs2sDx6kLZ6Qm84zE4U6mSWJXa3gfn+Or05YnSdrgHxOmkjIVtwZgMk50D" crossorigin="anonymous">

        </script>

    <!-- CDN jquery -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"

        integrity="sha384-PoX9L+uPbsAVCv+jcUscle6Udq7VrypQT8Uv7zsLAbB6C9fV0pG8yBlxkdgsHOD+" crossorigin="anonymous">

    <title>ATS-SYSTEM</title>

</head>

<body>

    <div class="container">

        <h1 style="  text-shadow: 3px 2px 3px rgba(0, .5, 0, .80)"

            class="fw-bolder text-center text-warning mt-3 text-outline">UPDATE USER ACCOUNT</H1>

        <?php if (isset($success\_message)) { ?>

            <div class="alert alert-success">

                <?php echo $success\_message; ?>

            </div>

        <?php } ?>

        <?php if (isset($error\_message)) { ?>

            <div class="alert alert-danger">

                <?php echo $error\_message; ?>

            </div>

        <?php } ?>

        <form method="post">

            <div class="form-group">

                <label for="name">Name:</label>

                <input type="text" class="form-control" id="name" name="name" value="<?php echo $user\_data['name']; ?>">

            </div>

            <div class="form-group">

                <label for="email">Email address:</label>

                <input type="email" class="form-control" id="email" name="email"

                    value="<?php echo $user\_data['email']; ?>">

            </div>

            <div class="form-group">

                <label for="password">Password:</label>

                <div class="input-group">

                    <input type="password" class="form-control" id="password" name="password"

                        value="<?php echo $user\_data['password']; ?>">

                    <div class="input-group-append">

                        <button class="btn btn-outline-success" type="button" id="togglePassword">Show</button>

                    </div>

                </div>

            </div>

            <!-- Form inputs go here -->

            <div class="form-group mt-3">

                <button type="submit" name="submit" class="btn btn-primary">Update</button>

                <button type="button" class="btn btn-danger" onclick="window.history.back()">Back</button>

            </div>

        </form>

    </div>

</body>

<!-- JavaScript jquery to toggle password visibility -->

<script>

    $(document).ready(function() {

        const passwordField = $('input[name="password"]');

        const togglePasswordButton = $('#togglePassword');

        togglePasswordButton.on('click', function() {

            const type = passwordField.attr('type') === 'password' ? 'text' : 'password';

            passwordField.attr('type', type);

            togglePasswordButton.text(type === 'password' ? 'Show' : 'Hide');

        });

    });

</script>

</html>

<?php

// Close the database connection

mysqli\_close($conn);

?>

<!-- End of code -->

**view\_room\_generatePDF.php**

<?php

require\_once 'TCPDF\_TEMPLATE/TCPDF\_TEMPLATE/TCPDF-main/tcpdf.php'; // Include TCPDF library

include 'database\_connection.php';

// Start output buffering

ob\_start();

// Generate PDF using TCPDF

$pdf = new TCPDF('L', 'mm', 'A4', true, 'UTF-8');

$pdf->SetCreator(PDF\_CREATOR);

$pdf->SetAuthor('TuyPogi');

$pdf->SetTitle('Room Schedules');

$pdf->SetMargins(5, 5, 5);

$pdf->SetHeaderMargin(5);

$pdf->SetFooterMargin(8);

$pdf->SetAutoPageBreak(true, 10);

$pdf->AddPage();

$html = '

<!DOCTYPE html>

<html>

<head>

    <title>View Schedule</title>

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.0.2/css/bootstrap.min.css">

    <style>

    .table {

        width: 100%;

        margin-bottom: 1rem;

        color: white;

        background-color: #388e3c;

        }

    .table-bordered td {

        border:1px solid black;

        padding: 8px;

        text-align: center;

        vertical-align: middle;

        font-family:Georgia;

    }

    .table-bordered th{

        border: 1px double black;

        padding: 8px;

        text-align: center;

        color:white;

        vertical-align: middle;

        font-weight:bold;

        font-size:12px;

        }

    .table-hover tbody tr:hover {

        background-color: rgba(0, 0, 0, 0.075);

    }

    .table-primary,

    .table-primary > th,

    .table-primary > td {

    background-color: #fefaec;

        color: black;

    }

    .table-warning,

    .table-warning > th,

    .table-warning > td {

        background-color:  #a6e4e7;

        color: black;

    }

    .table-info,

    .table-info > th,

    .table-info > td {

        background-color:#ffd79a;

        color: black;

    }

    .table-danger,

    .table-danger > th,

    .table-danger > td {

        background-color: #ccda46;

        color: black;

    }

    .table-secondary,

    .table-secondary > th,

    .table-secondary > td {

        background-color: #ff7575;

        color: black;

    }

    .bg-light {

        background-color: #FFC646 !important;

    }

    .fw-bolder {

        font-weight: bolder !important;

    }

    .text-center {

        text-align: center !important;

        color: black !important;

    }

    .text-warning {

        color: #ffc107 !important;

    }

    .mt-3 {

        margin-top: 1rem !important;

    }

    .text-outline {

        -webkit-text-stroke-width: 1px;

        -webkit-text-stroke-color: rgba(0, 0, 0, 0.5);

        text-shadow: 5px 2px 3px rgba(0, .5, 0, .80);

    }

    .mt-4 {

        margin-top: 1.5rem !important;

    }

    .alert {

        position: relative;

        padding: 0.75rem 1.25rem;

        margin-bottom: 1rem;

        border: 1px solid transparent;

        border-radius: 0.25rem;

    }

    .alert-info {

        color: #0c5460;

        background-color: #d1ecf1;

        border-color: #bee5eb;

    }

    /\* Add vertical-align: middle to table cells \*/

    .table td,

    .table th {

        vertical-align: middle;

    }

    /\* Separate page for each table \*/

    .table-container {

        page-break-after: always;

    }

    /\* Change weight of subject\_title column \*/

    .table td:nth-child(4),

    .table th:nth-child(4) {

        font-weight: bold;

    }

</style>

</head>

<body>

<h1 style="text-align:center;font-weight:bold;font-size:2.9em;color:darkgreen;font-family:monospace;">ROOM SCHEDULES</h1>

';

function calculateRowspan($room\_name, $day) {

    global $conn;

    // Query to count the number of rows for the teacher and day combination

    $countQuery = "SELECT COUNT(\*) AS num\_rows FROM faculty\_loadings WHERE room\_name = '$room\_name' AND day = '$day'";

    $countResult = $conn->query($countQuery);

    if ($countResult !== false && $countResult->num\_rows > 0) {

        $countRow = $countResult->fetch\_assoc();

        return $countRow['num\_rows'];

    }

    return 1; // Default rowspan value

}

$sql = "SELECT DISTINCT room\_name FROM faculty\_loadings ORDER BY room\_name";

$result = $conn->query($sql);

if ($result !== false && $result->num\_rows > 0) {

    $html .= '<div class="container">';

    while ($row = $result->fetch\_assoc()) {

        $room\_name = $row['room\_name'];

        $sql = "SELECT \* FROM faculty\_loadings WHERE room\_name = '$room\_name' ORDER BY FIELD(day, 'Monday', 'Tuesday', 'Wednesday', 'Thursday','Friday'), start\_time, end\_time";

        $scheduleResult = $conn->query($sql);

        if ($scheduleResult !== false && $scheduleResult->num\_rows > 0) {

            $html .= '<div class="table-container">'; // Add table container for separate page

            $html .= '<table class="table mt-4 table-bordered table-hover">';

            $html .= '<thead class="fw-bolder bg-dark text-light"><tr><th>Room</th><th>Day</th><th>Subject Code</th><th>Subject Title</th><th>Teacher</th><th>Course Year & Section</th><th>Start\_Time</th><th>End\_Time</th></tr></thead>';

            $html .= '<tbody>';

            $firstRow = true; // Flag to check if it's the first row for the course\_year\_section

            $previousDay = ""; // Variable to store the previous day

            $rowspan = 0; // Variable to store the rowspan value for the day

            while ($scheduleRow = $scheduleResult->fetch\_assoc()) {

                $day = $scheduleRow['day'];

                $bgColorClass = '';

                // Set background color class based on the day of the week

                if ($day == 'Monday') {

                    $bgColorClass = 'table-primary';

                } elseif ($day == 'Tuesday') {

                    $bgColorClass = 'table-warning';

                } elseif ($day == 'Wednesday') {

                    $bgColorClass = 'table-info';

                } elseif ($day == 'Thursday') {

                    $bgColorClass = 'table-danger';

                } elseif ($day == 'Friday') {

                    $bgColorClass = 'table-secondary';

                }

$html .= '<tr class="' . $bgColorClass . '">';

                // Output teacher only for the first row

                if ($firstRow) {

                    $firstRow = false;

                    $html .= '<td class="header\_row bg-light" rowspan="' . $scheduleResult->num\_rows . '">' . $room\_name . '</td>';

                }

                // Check if the current day is the same as the previous day

                if ($day != $previousDay) {

                    // Calculate the rowspan value for the day

                    $rowspan = calculateRowspan($room\_name, $day);

                    $html .= '<td class="header\_row bg-light" rowspan="' . $rowspan . '">' . $day . '</td>';

                }

                $html .= '<td>' . $scheduleRow['subject\_code'] . '</td>';

                $html .= '<td>' . $scheduleRow['subject\_description'] . '</td>';

                $html .= '<td>' . $scheduleRow['teacher'] . '</td>';

                $html .= '<td>' . $scheduleRow['course\_year\_section'] . '</td>';

                // Format the start time and end time in 12-hour format with AM/PM

                $html .= '<td>' .  $start\_time = date("h:i A", strtotime($scheduleRow['start\_time'])). '</td>';

                $html .= '<td>' .  $end\_time = date("h:i A", strtotime($scheduleRow['end\_time'])). '</td>';

                $html .= '</tr>';

                $previousDay = $day;

                // Check if the table exceeds the page height and add a page break if necessary

                if ($pdf->GetY() >= $pdf->getPageHeight() - 100) {

                    $pdf->AddPage();

                }

            }

            $html .= '</tbody>';

            $html .= '</table>';

            $html .= '</div>'; // End of table container

        }

        $scheduleResult->free\_result();

    }

    $html .= '</div>';

} else {

    $html .= '<div class="alert alert-info mt-4">No schedule found.</div>';

}

$html .= '

</body>

</html>

';

$pdf->writeHTML($html, true, false, true, false, ''); // Generate PDF from HTML content

$pdf->Output('course\_schedules.pdf', 'I'); // Output PDF for printing

$conn->close();

ob\_end\_flush(); // Flush output buffer and turn off output buffering

?>

**view\_room\_schedule.php**

<?php

include 'database\_connection.php';

include 'index.php';

echo '

<!DOCTYPE html>

<html>

<head>

    <title>View Schedule</title>

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.0.2/css/bootstrap.min.css">

    <h1 style="  text-shadow: 4px 2px 3px rgba(0, .5, 0, .80);" class="fw-bolder text-center text-warning mt-3 text-outline">ROOM SCHEDULES</H1>

    <div class="container fw-bolder text-center " style="padding: 5px;">';

        $sql = "SELECT \* FROM semesters";

        $result = mysqli\_query($conn, $sql);

        // Check if the query was successful

        if ($result) {

            // Fetch the semester name

            $row = mysqli\_fetch\_assoc($result);

            $semester\_name = $row['semester\_name'];

            $start\_year = $row['start\_year'];

            $end\_year = $row['end\_year'];

            // Display the schedule

            echo '<h1 class= "fw-bolder" style="color:dark; margin-top: 0; margin-bottom: 10px;font-family:">' . $semester\_name . '</h1>';

            echo '<p style="margin: 0;color:black;font-family:monospace; font-size: 17px; margin-bottom: 10px;">A.Y: ' . $start\_year . '-' . $end\_year . '</p>';

        } else {

            // Handle the case when the query fails

            echo 'Error fetching semester name: ' . mysqli\_error($connection);

        }

    echo '  </div>

<style>

.table-bordered {

    border: .2rem solid;

    text-align: center;

    vertical-align: middle;

}

.header\_row{

    color: darkgreen;

    font-family: consolas ;

    text-align: center;

    font-size: 2rem;

    vertical-align: middle;

}

.print-page {

    padding: 20px;

}

.print-table {

    width: 100%;

    border-collapse: collapse;

    page-break-before: always; /\* Added property for separate pages \*/

}

.print-table:not(:first-of-type) {

   page-break-inside: avoid; /\* Added property for subsequent tables \*/

}

.print-table thead th {

    font-weight: bold;

    background-color: #223e28;

    color: #fff;

}

.print-table tbody td {

    padding: 4px;

}

.print-table tbody tr:hover {

    background-color: #e0e0e1;

}

.print-btn {

    margin-top: 20px;

}

.header\_row{

    color: darkgreen;

    text-align: center;

    vertical-align: middle;

    font-family:monospace;

    font-size:1.5rem;

    font-weight:bold;

}

.bg-dark {

    background-color: yellow;

}

.bg-green {

    background-color: green;

}

.room-label {

    font-size:2rem;

    text-align: center;

    margin-top: 20px;

    fomt-family:monospace;

    vertical-align:middle;

}

@media print {

    body {

        visibility: hidden;

    }

    .print-page {

        visibility: visible;

        width: 100%;

        height: 100%;

        margin: 0;

        padding: 20px;

        box-sizing: border-box;

        page-break-after: always;

    }

    .print-table thead th {

        padding: 2px;

        font-family: monospace;

        font-size:13px;

        font-weight: bolder;

        color: black;

        text-align:center;

        vertical-align:middle;

        border:3px solid green;

    }

    .print-table thead th:nth-child(1) {

        color:green;

    }

    .print-table thead th:nth-child(2) {

        color:green;

    }

    .print-table thead th:nth-child(3) {

        color:green;

    }

    .print-table thead th:nth-child(4) {

        color:green;

    }

    .print-table thead th:nth-child(5) {

        color:green;

    }

    .print-table thead th:nth-child(6) {

        color:green;

    }

    .print-table thead th:nth-child(7) {

        color:green;

    }

    .print-table thead th:nth-child(8) {

        color:green;

    }

    .print-table tbody td {

        padding: 4px;

        color: black;

        font-family:monospace;

        border:.5px solid ;

    }

}

</style>

<script>

// Handle Ctrl+P key press event

document.addEventListener("keydown", function(event) {

    if (event.ctrlKey && event.key === "p" || "P") {

        event.preventDefault(); // Prevent default print action

        window.location.href = "view\_room\_generatePDF.php"; // Redirect to generatePDF.php

    }

});

</script>';

function calculateRowspan($room\_name, $day)

{

    global $conn;

    // Query to count the number of rows for the teacher and day combination

    $countQuery = "SELECT COUNT(\*) AS num\_rows FROM faculty\_loadings WHERE room\_name = '$room\_name' AND day = '$day'";

    $countResult = $conn->query($countQuery);

    if ($countResult !== false && $countResult->num\_rows > 0) {

        $countRow = $countResult->fetch\_assoc();

        return $countRow['num\_rows'];

    }

    return 1; // Default rowspan value

}

$sql = "SELECT DISTINCT room\_name FROM faculty\_loadings ORDER BY room\_name";

$result = $conn->query($sql);

if ($result !== false && $result->num\_rows > 0) {

    echo '<div class="container print-page">';

    while ($row = $result->fetch\_assoc()) {

        $room\_name = $row['room\_name'];

        $sql = "SELECT \* FROM faculty\_loadings WHERE room\_name = '$room\_name' ORDER BY FIELD(day, 'Monday', 'Tuesday', 'Wednesday', 'Thursday','Friday'), start\_time, end\_time";

        $scheduleResult = $conn->query($sql);

        if ($scheduleResult !== false && $scheduleResult->num\_rows > 0) {

            echo '<table class="table mt-4 print-table table-bordered table table-hover">';

            echo '<thead class="fw-bolder  text-light"><tr><th>Room</th><th>Day</th><th>Subject Code</th><th>Subject Title</th><th>Subject Type</th><th>Teacher</th><th>Course Year & Section</th><th>Start\_Time</th><th>End\_Time</th></tr></thead>';

            echo '<tbody>';

            $firstRow = true; // Flag to check if it's the first row for the course\_year\_section

            $previousDay = ""; // Variable to store the previous day

            $rowspan = 0; // Variable to store the rowspan value for the day

            while ($scheduleRow = $scheduleResult->fetch\_assoc()) {

                $day = $scheduleRow['day'];

                $bgColorClass = '';

                // Set background color class based on the day of the week

                if ($day == 'Monday') {

                    $bgColorClass = 'table-primary';

                } elseif ($day == 'Tuesday') {

                    $bgColorClass = 'table-warning';

                } elseif ($day == 'Wednesday') {

                    $bgColorClass = 'table-info';

                } elseif ($day == 'Thursday') {

                    $bgColorClass = 'table-danger';

                }elseif ($day == 'Friday') {

                    $bgColorClass = 'table-secondary';

                }

                echo '<tr class="' . $bgColorClass . '">';

                // Output course year & section only for the first row

                if ($firstRow) {

                    $firstRow = false;

                    echo '<td class="header\_row bg-light" rowspan="' . $scheduleResult->num\_rows . '">' . $room\_name . '</td>';

                }

                // Check if the current day is the same as the previous day

                if ($day != $previousDay) {

                    // Calculate the rowspan value for the day

                    $rowspan = calculateRowspan($room\_name, $day);

                    echo '<td class="header\_row bg-light" rowspan="' . $rowspan . '">' . $day . '</td>';

                }

                echo '<td>' . $scheduleRow['subject\_code'] . '</td>';

                echo '<td>' . $scheduleRow['subject\_description'] . '</td>';

                echo '<td>' . $scheduleRow['subject\_type'] . '</td>';

                echo '<td>' . $scheduleRow['teacher'] . '</td>';

                echo '<td>' . $scheduleRow['course\_year\_section'] . '</td>';

                // Format the start time and end time in 12-hour format with AM/PM

                $start\_time = date("h:i A", strtotime($scheduleRow['start\_time']));

                $end\_time = date("h:i A", strtotime($scheduleRow['end\_time']));

                echo '<td>' . $start\_time . '</td>';

                echo '<td>' . $end\_time . '</td>';

                echo '</tr>';

                // Update the previous day variable

                $previousDay = $day;

            }

            echo '</div>'; // Close the print-content container

            echo '</div>'; // Close the print-page container

            echo '</tbody>';

            echo '</table>';

        } else {

            echo 'No rooms found.';

        }

    }

}

echo '</div>';

**view\_section\_generatePDF.php**

<?php

require\_once 'TCPDF\_TEMPLATE/TCPDF\_TEMPLATE/TCPDF-main/tcpdf.php'; // Include TCPDF library

include 'database\_connection.php';

// Start output buffering

ob\_start();

// Generate PDF using TCPDF

$pdf = new TCPDF('L', 'mm', 'A4', true, 'UTF-8');

$pdf->SetCreator(PDF\_CREATOR);

$pdf->SetAuthor('TuyPogi');

$pdf->SetTitle('Course Schedules');

$pdf->SetMargins(5, 5, 5);

$pdf->SetHeaderMargin(2);

$pdf->SetFooterMargin(5);

$pdf->SetAutoPageBreak(true, 10);

$pdf->AddPage();

$html = '

<!DOCTYPE html>

<html>

<head>

    <title>View Schedule</title>

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.0.2/css/bootstrap.min.css">

    <style>

    .table {

        width: 100%;

        margin-bottom: 1rem;

        color: white;

        background-color: #388e3c;

        }

    .table-bordered td {

        border:1px solid black;

        padding: 8px;

        text-align: center;

        vertical-align: middle;

        font-family:Georgia;

    }

    .table-bordered th{

        border: 1px double black;

        padding: 8px;

        text-align: center;

        color:white;

        vertical-align: middle;

        font-weight:bold;

        font-size:12px;

        }

    .table-hover tbody tr:hover {

        background-color: rgba(0, 0, 0, 0.075);

    }

    .table-primary,

    .table-primary > th,

    .table-primary > td {

    background-color: #fefaec;

        color: black;

    }

    .table-warning,

    .table-warning > th,

    .table-warning > td {

        background-color:  #a6e4e7;

        color: black;

    }

    .table-info,

    .table-info > th,

    .table-info > td {

        background-color:#ffd79a;

        color: black;

    }

    .table-danger,

    .table-danger > th,

    .table-danger > td {

        background-color: #ccda46;

        color: black;

    }

    .table-secondary,

    .table-secondary > th,

    .table-secondary > td {

        background-color: #ff7575;

        color: black;

    }

    .bg-light {

        background-color: #FFC646 !important;

    }

    .fw-bolder {

        font-weight: bolder !important;

    }

    .text-center {

        text-align: center !important;

        color: black !important;

    }

    .text-warning {

        color: #ffc107 !important;

    }

    .mt-3 {

        margin-top: 1rem !important;

    }

    .text-outline {

        -webkit-text-stroke-width: 1px;

        -webkit-text-stroke-color: rgba(0, 0, 0, 0.5);

        text-shadow: 5px 2px 3px rgba(0, .5, 0, .80);

    }

    .mt-4 {

        margin-top: 1.5rem !important;

    }

    .alert {

        position: relative;

        padding: 0.75rem 1.25rem;

        margin-bottom: 1rem;

        border: 1px solid transparent;

        border-radius: 0.25rem;

    }

    .alert-info {

        color: #0c5460;

        background-color: #d1ecf1;

        border-color: #bee5eb;

    }

    /\* Add vertical-align: middle to table cells \*/

    .table td,

    .table th {

        vertical-align: middle;

    }

    /\* Separate page for each table \*/

    .table-container {

        page-break-after: always;

    }

    /\* Change weight of subject\_title column \*/

    .table td:nth-child(4),

    .table th:nth-child(4) {

        font-weight: bold;

    }

</style>

</head>

<body>

<h1 style="text-align:center;font-weight:bold;font-size:2.9em;color:darkgreen;font-family:monospace;">COURSE SCHEDULES</h1>

';

function calculateRowspan($course\_year\_section, $day) {

    global $conn;

    // Query to count the number of rows for the teacher and day combination

    $countQuery = "SELECT COUNT(\*) AS num\_rows FROM faculty\_loadings WHERE course\_year\_section = '$course\_year\_section' AND day = '$day'";

    $countResult = $conn->query($countQuery);

    if ($countResult !== false && $countResult->num\_rows > 0) {

        $countRow = $countResult->fetch\_assoc();

        return $countRow['num\_rows'];

    }

    return 1; // Default rowspan value

}

$sql = "SELECT DISTINCT course\_year\_section FROM faculty\_loadings ORDER BY course\_year\_section ASC ";

$result = $conn->query($sql);

if ($result !== false && $result->num\_rows > 0) {

    $html .= '<div class="container">';

    while ($row = $result->fetch\_assoc()) {

        $course\_year\_section = $row['course\_year\_section'];

        $sql = "SELECT \* FROM faculty\_loadings WHERE course\_year\_section = '$course\_year\_section' ORDER BY FIELD(day, 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday'), start\_time, end\_time";

        $scheduleResult = $conn->query($sql);

        if ($scheduleResult !== false && $scheduleResult->num\_rows > 0) {

            $html .= '<div class="table-container">'; // Add table container for separate page

            $html .= '<table class="table mt-4 table-bordered table-hover">';

            $html .= '<thead class="fw-bolder bg-dark text-light"><tr><th>Course Year & Section</th><th>Day</th><th>Subject Code</th><th>Subject Title</th><th>Teacher</th><th>Room</th><th>Start\_Time</th><th>End\_Time</th></tr></thead>';

            $html .= '<tbody>';

            $firstRow = true; // Flag to check if it's the first row for the course\_year\_section

            $previousDay = ""; // Variable to store the previous day

            $rowspan = 0; // Variable to store the rowspan value for the day

            while ($scheduleRow = $scheduleResult->fetch\_assoc()) {

                $day = $scheduleRow['day'];

                $bgColorClass = '';

                // Set background color class based on the day of the week

                if ($day == 'Monday') {

                    $bgColorClass = 'table-primary';

                } elseif ($day == 'Tuesday') {

                    $bgColorClass = 'table-warning';

                } elseif ($day == 'Wednesday') {

                    $bgColorClass = 'table-info';

                } elseif ($day == 'Thursday') {

                    $bgColorClass = 'table-danger';

                } elseif ($day == 'Friday') {

                    $bgColorClass = 'table-secondary';

                }

                $html .= '<tr class="' . $bgColorClass . '">';

                // Output teacher only for the first row

                if ($firstRow) {

                    $firstRow = false;

                    $html .= '<td class="header\_row bg-light" rowspan="' . $scheduleResult->num\_rows . '">' . $course\_year\_section . '</td>';

                }

                // Check if the current day is the same as the previous day

                if ($day != $previousDay) {

                    // Calculate the rowspan value for the day

                    $rowspan = calculateRowspan($course\_year\_section, $day);

                    $html .= '<td class="header\_row bg-light" rowspan="' . $rowspan . '">' . $day . '</td>';

                }

                $html .= '<td>' . $scheduleRow['subject\_code'] . '</td>';

                $html .= '<td>' . $scheduleRow['subject\_description'] . '</td>';

                $html .= '<td>' . $scheduleRow['teacher'] . '</td>';

                $html .= '<td>' . $scheduleRow['room\_name'] . '</td>';

                // Format the start time and end time in 12-hour format with AM/PM

                $html .=  '<td>'. $start\_time = date("h:i A", strtotime($scheduleRow['start\_time'])).'</td>';

                $html .=  '<td>'. $end\_time = date("h:i A", strtotime($scheduleRow['end\_time'])).'</td>';

                $html .= '</tr>';

                $previousDay = $day;

                // Check if the table exceeds the page height and add a page break if necessary

                if ($pdf->GetY() >= $pdf->getPageHeight() - 100) {

                    $pdf->AddPage();

                }

            }

            $html .= '</tbody>';

            $html .= '</table>';

            $html .= '</div>'; // End of table container

        }

        $scheduleResult->free\_result();

    }

    $html .= '</div>';

} else {

    $html .= '<div class="alert alert-info mt-4">No schedule found.</div>';

}

$html .= '

</body>

</html>

';

$pdf->writeHTML($html, true, false, true, false, ''); // Generate PDF from HTML content

$pdf->Output('course\_schedules.pdf', 'I'); // Output PDF for printing

$conn->close();

ob\_end\_flush(); // Flush output buffer and turn off output buffering

?>

**view\_section\_schedule.php**

<?php

include 'database\_connection.php';

include 'index.php';

echo '

<!DOCTYPE html>

<html>

<head>

    <title>View Schedule</title>

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.0.2/css/bootstrap.min.css">

<div class="containe-fluid text-center ">

<h1 style="  text-shadow: 4px 2px 3px rgba(0, .5, 0, .80);" class="fw-bolder text-center text-warning mt-3 text-outline">COURSE SCHEDULES</H1>

            <div class="container fw-bolder" style="padding: 5px;">';

                $sql = "SELECT \* FROM semesters";

                $result = mysqli\_query($conn, $sql);

                // Check if the query was successful

                if ($result) {

                    // Fetch the semester name

                    $row = mysqli\_fetch\_assoc($result);

                    $semester\_name = $row['semester\_name'];

                    $start\_year = $row['start\_year'];

                    $end\_year = $row['end\_year'];

                    // Display the schedule

                    echo '<h1 class= "fw-bolder" style="color:dark; margin-top: 0; margin-bottom: 10px;font-family:">' . $semester\_name . '</h1>';

                    echo '<p style="margin: 0;color:black;font-family:monospace; font-size: 17px; margin-bottom: 10px;">A.Y: ' . $start\_year . '-' . $end\_year . '</p>';

                } else {

                    // Handle the case when the query fails

                    echo 'Error fetching semester name: ' . mysqli\_error($connection);

                }

            echo '  </div>

<style>

.table-bordered {

    border: .2rem solid;

    text-align: center;

    vertical-align: middle;

}

.header\_row{

    color: darkgreen;

    font-family: consolas ;

    text-align: center;

    font-size: 2rem;

    vertical-align: middle;

}

.print-page {

    padding: 20px;

}

.print-table {

    width: 100%;

    border-collapse: collapse;

    page-break-before: always; /\* Added property for separate pages \*/

}

.print-table:not(:first-of-type) {

   page-break-inside: avoid; /\* Added property for subsequent tables \*/

}

.print-table thead th {

    font-weight: bold;

    background-color: #223e28;

    color: #fff;

}

.print-table tbody td {

    padding: 4px;

}

.print-table tbody tr:hover {

    background-color: #e0e0e1;

}

.print-btn {

    margin-top: 20px;

}

.header\_row{

    color: darkgreen;

    text-align: center;

    vertical-align: middle;

    font-family:monospace;

    font-size:1.5rem;

    font-weight:bold;

}

.bg-dark {

    background-color: yellow;

}

.bg-green {

    background-color: green;

}

.room-label {

    font-size:2rem;

    text-align: center;

    margin-top: 20px;

    fomt-family:monospace;

    vertical-align:middle;

}

@media print {

    body {

        visibility: hidden;

    }

    .print-page {

        visibility: visible;

        width: 100%;

        height: 100%;

        margin: 0;

        padding: 20px;

        box-sizing: border-box;

        page-break-after: always;

    }

    .print-table thead th {

        padding: 2px;

        font-family: monospace;

        font-size:13px;

        font-weight: bolder;

        color: black;

        text-align:center;

        vertical-align:middle;

        border:3px solid green;

    }

    .print-table thead th:nth-child(1) {

        color:green;

    }

    .print-table thead th:nth-child(2) {

        color:green;

    }

    .print-table thead th:nth-child(3) {

        color:green;

    }

    .print-table thead th:nth-child(4) {

        color:green;

    }

    .print-table thead th:nth-child(5) {

        color:green;

    }

    .print-table thead th:nth-child(6) {

        color:green;

    }

    .print-table thead th:nth-child(7) {

        color:green;

    }

    .print-table thead th:nth-child(8) {

        color:green;

    }

    .print-table tbody td {

        padding: 4px;

        color: black;

        font-family:monospace;

        border:.5px solid ;

    }

}

</style>

<script>

// Handle Ctrl+P key press event

document.addEventListener("keydown", function(event) {

    if (event.ctrlKey && event.key === "p" || "P") {

        event.preventDefault(); // Prevent default print action

        window.location.href = "view\_section\_generatePDF.php"; // Redirect to generatePDF.php

    }

});

</script>';

function calculateRowspan($course\_year\_section, $day)

{

    global $conn;

    // Query to count the number of rows for the teacher and day combination

    $countQuery = "SELECT COUNT(\*) AS num\_rows FROM faculty\_loadings WHERE course\_year\_section = '$course\_year\_section' AND day = '$day'";

    $countResult = $conn->query($countQuery);

    if ($countResult !== false && $countResult->num\_rows > 0) {

        $countRow = $countResult->fetch\_assoc();

        return $countRow['num\_rows'];

    }

    return 1; // Default rowspan value

}

$sql = "SELECT DISTINCT course\_year\_section FROM faculty\_loadings ORDER BY course\_year\_section ASC";

$result = $conn->query($sql);

if ($result !== false && $result->num\_rows > 0) {

    echo '<div class="container print-page">';

    while ($row = $result->fetch\_assoc()) {

        $course\_year\_section = $row['course\_year\_section'];

        $sql = "SELECT \* FROM faculty\_loadings WHERE course\_year\_section = '$course\_year\_section' ORDER BY FIELD(day, 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday'), start\_time, end\_time";

        $scheduleResult = $conn->query($sql);

        if ($scheduleResult !== false && $scheduleResult->num\_rows > 0) {

            echo '<table class="table mt-4 print-table table-bordered table table-hover">';

            echo '<thead class="fw-bolder  text-light"><tr><th>Course Year & Section</th><th>Day</th><th>Subject Code</th><th>Subject Title</th><th>Subject Type</th><th>Teacher</th><th>Room</th><th>Start\_Time</th><th>End\_Time</th></tr></thead>';

            echo '<tbody>';

            $firstRow = true; // Flag to check if it's the first row for the course\_year\_section

            $previousDay = ""; // Variable to store the previous day

            $rowspan = 0; // Variable to store the rowspan value for the day

            while ($scheduleRow = $scheduleResult->fetch\_assoc()) {

                $day = $scheduleRow['day'];

                $bgColorClass = '';

                // Set background color class based on the day of the week

                if ($day == 'Monday') {

                    $bgColorClass = 'table-primary';

                } elseif ($day == 'Tuesday') {

                    $bgColorClass = 'table-warning';

                } elseif ($day == 'Wednesday') {

                    $bgColorClass = 'table-info';

                } elseif ($day == 'Thursday') {

                    $bgColorClass = 'table-danger';

                }elseif ($day == 'Friday') {

                    $bgColorClass = 'table-secondary';

                }

                echo '<tr class="' . $bgColorClass . '">';

                // Output course year & section only for the first row

                if ($firstRow) {

                    $firstRow = false;

                    echo '<td class="header\_row bg-light" rowspan="' . $scheduleResult->num\_rows . '">' . $course\_year\_section . '</td>';

                }

                // Check if the current day is the same as the previous day to merge cell if me day

                if ($day != $previousDay) {

                    // Calculate the rowspan value for the day

                    $rowspan = calculateRowspan($course\_year\_section, $day);

                    echo '<td class="header\_row bg-light" rowspan="' . $rowspan . '">' . $day . '</td>';

                }

                echo '<td>' . $scheduleRow['subject\_code'] . '</td>';

                echo '<td>' . $scheduleRow['subject\_description'] . '</td>';

                echo '<td>' . $scheduleRow['subject\_type'] . '</td>';

                echo '<td>' . $scheduleRow['teacher'] . '</td>';

                echo '<td>' . $scheduleRow['room\_name'] . '</td>';

                // Format the start time and end time in 12-hour format with AM/PM

                $start\_time = date("h:i A", strtotime($scheduleRow['start\_time']));

                $end\_time = date("h:i A", strtotime($scheduleRow['end\_time']));

                echo '<td>' . $start\_time . '</td>';

                echo '<td>' . $end\_time . '</td>';

                echo '</tr>';

                // Update the previous day variable

                $previousDay = $day;

            }

            echo '</div>'; // Close the print-content container

            echo '</div>'; // Close the print-page container

            echo '</tbody>';

            echo '</table>';

        } else {

            echo 'No rooms found.';

        }

    }

}

echo '</div>';

**view\_teacher\_generatePDF.php**

<?php

require\_once 'TCPDF\_TEMPLATE/TCPDF\_TEMPLATE/TCPDF-main/tcpdf.php'; // Include TCPDF library

include 'database\_connection.php';

// Start output buffering

ob\_start();

// Generate PDF using TCPDF

$pdf = new TCPDF('L', 'mm', 'A4', true, 'UTF-8');

$pdf->SetCreator(PDF\_CREATOR);

$pdf->SetAuthor('TuyPogi');

$pdf->SetTitle('Teacher Schedules');

$pdf->SetMargins(5, 5, 5);

$pdf->SetHeaderMargin(2);

$pdf->SetFooterMargin(5);

$pdf->SetAutoPageBreak(true, 10);

$pdf->AddPage();

$html = '

<!DOCTYPE html>

<html>

<head>

    <title>View Schedule</title>

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.0.2/css/bootstrap.min.css">

    <style>

    .table {

        width: 100%;

        margin-bottom: 1rem;

        color: white;

        background-color: #388e3c;

        }

    .table-bordered td {

        border:1px solid black;

        padding: 8px;

        text-align: center;

        vertical-align: middle;

        font-family:Georgia;

    }

    .table-bordered th{

        border: 1px double black;

        padding: 8px;

        text-align: center;

        color:white;

        vertical-align: middle;

        font-weight:bold;

        font-size:12px;

        }

    .table-hover tbody tr:hover {

        background-color: rgba(0, 0, 0, 0.075);

    }

    .table-primary,

    .table-primary > th,

    .table-primary > td {

    background-color: #fefaec;

        color: black;

    }

    .table-warning,

    .table-warning > th,

    .table-warning > td {

        background-color:  #a6e4e7;

        color: black;

    }

    .table-info,

    .table-info > th,

    .table-info > td {

        background-color:#ffd79a;

        color: black;

    }

    .table-danger,

    .table-danger > th,

    .table-danger > td {

        background-color: #ccda46;

        color: black;

    }

    .table-secondary,

    .table-secondary > th,

    .table-secondary > td {

        background-color: #ff7575;

        color: black;

    }

    .bg-light {

        background-color: #FFC646 !important;

    }

    .fw-bolder {

        font-weight: bolder !important;

    }

    .text-center {

        text-align: center !important;

        color: black !important;

    }

    .text-warning {

        color: #ffc107 !important;

    }

    .mt-3 {

        margin-top: 1rem !important;

    }

    .text-outline {

        -webkit-text-stroke-width: 1px;

        -webkit-text-stroke-color: rgba(0, 0, 0, 0.5);

        text-shadow: 5px 2px 3px rgba(0, .5, 0, .80);

    }

    .mt-4 {

        margin-top: 1.5rem !important;

    }

    .alert {

        position: relative;

        padding: 0.75rem 1.25rem;

        margin-bottom: 1rem;

        border: 1px solid transparent;

        border-radius: 0.25rem;

    }

    .alert-info {

        color: #0c5460;

        background-color: #d1ecf1;

        border-color: #bee5eb;

    }

    /\* Add vertical-align: middle to table cells \*/

    .table td,

    .table th {

        vertical-align: middle;

    }

    /\* Separate page for each table \*/

    .table-container {

        page-break-after: always;

    }

    /\* Change weight of subject\_title column \*/

    .table td:nth-child(4),

    .table th:nth-child(4) {

        font-weight: bold;

    }

</style>

</head>

<body>

    <h1 style="text-align:center;font-weight:bold;font-size:2.9em;color:darkgreen;font-family:monospace;">TEACHER SCHEDULES</h1>

';

function calculateRowspan($teacher, $day) {

    global $conn;

    // Query to count the number of rows for the teacher and day combination

    $countQuery = "SELECT COUNT(\*) AS num\_rows FROM faculty\_loadings WHERE teacher = '$teacher' AND day = '$day'";

    $countResult = $conn->query($countQuery);

    if ($countResult !== false && $countResult->num\_rows > 0) {

        $countRow = $countResult->fetch\_assoc();

        return $countRow['num\_rows'];

    }

    return 1; // Default rowspan value

}

$sql = "SELECT DISTINCT teacher FROM faculty\_loadings ORDER BY teacher ASC";

$result = $conn->query($sql);

if ($result !== false && $result->num\_rows > 0) {

    $html .= '<div class="container">';

    while ($row = $result->fetch\_assoc()) {

        $teacher = $row['teacher'];

        $sql = "SELECT \* FROM faculty\_loadings WHERE teacher = '$teacher' ORDER BY FIELD(day, 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday'), start\_time, end\_time";

        $scheduleResult = $conn->query($sql);

        if ($scheduleResult !== false && $scheduleResult->num\_rows > 0) {

            $html .= '<div class="table-container">'; // Add table container for separate page

            $html .= '<table class="table mt-4 table-bordered table-hover">';

            $html .= '<thead class="fw-bolder bg-dark text-light"><tr><th>Teacher</th><th>Day</th><th>Subject Code</th><th>Subject Title</th><th>Course Year & Section</th><th>Room</th><th>Start\_Time</th><th>End\_Time</th></tr></thead>';

            $html .= '<tbody>';

            $firstRow = true; // Flag to check if it's the first row for the course\_year\_section

            $previousDay = ""; // Variable to store the previous day

            $rowspan = 0; // Variable to store the rowspan value for the day

            while ($scheduleRow = $scheduleResult->fetch\_assoc()) {

                $day = $scheduleRow['day'];

                $bgColorClass = '';

                // Set background color class based on the day of the week

                if ($day == 'Monday') {

                    $bgColorClass = 'table-primary';

                } elseif ($day == 'Tuesday') {

                    $bgColorClass = 'table-warning';

                } elseif ($day == 'Wednesday') {

                    $bgColorClass = 'table-info';

                } elseif ($day == 'Thursday') {

                    $bgColorClass = 'table-danger';

                }elseif ($day == 'Friday') {

                    $bgColorClass = 'table-secondary';

                }

                $html .= '<tr class="' . $bgColorClass . '">';

                // Output teacher only for the first row

                if ($firstRow) {

                    $firstRow = false;

                    $html .= '<td class="header\_row bg-light" rowspan="' . $scheduleResult->num\_rows . '">' . $teacher . '</td>';

                }

                // Check if the current day is the same as the previous day

                if ($day != $previousDay) {

                    // Calculate the rowspan value for the day

                    $rowspan = calculateRowspan($teacher, $day);

                    $html .= '<td class="header\_row bg-light" rowspan="' . $rowspan . '">' . $day . '</td>';

                }

                $html .= '<td>' . $scheduleRow['subject\_code'] . '</td>';

                $html .= '<td>' . $scheduleRow['subject\_description'] . '</td>';

                $html .= '<td>' . $scheduleRow['course\_year\_section'] . '</td>';

                $html .= '<td>' . $scheduleRow['room\_name'] . '</td>';

                // Format the start time and end time in 12-hour format with AM/PM

                $html .= '<td>' .  $start\_time = date("h:i A", strtotime($scheduleRow['start\_time'])). '</td>';

                $html .= '<td>' .  $end\_time = date("h:i A", strtotime($scheduleRow['end\_time'])). '</td>';

                $html .= '</tr>';

                $previousDay = $day;

                // Check if the table exceeds the page height and add a page break if necessary

                if ($pdf->GetY() >= $pdf->getPageHeight() - 100) {

                    $pdf->AddPage();

                }

            }

            $html .= '</tbody>';

            $html .= '</table>';

            $html .= '</div>'; // End of table container

        }

        $scheduleResult->free\_result();

    }

    $html .= '</div>';

} else {

    $html .= '<div class="alert alert-info mt-4">No schedule found.</div>';

}

$html .= '

</body>

</html>

';

$pdf->writeHTML($html, true, false, true, false, ''); // Generate PDF from HTML content

$pdf->Output('teacher\_schedules.pdf', 'I'); // Output PDF for printing

$conn->close();

ob\_end\_flush(); // Flush output buffer and turn off output buffering

?>

**view\_teacher\_schedule.php**

<?php

include 'database\_connection.php';

include 'index.php';

echo '

<!DOCTYPE html>

<html>

<head>

    <title>View Schedule</title>

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.0.2/css/bootstrap.min.css">

    <h1 style="  text-shadow: 4px 2px 3px rgba(0, .5, 0, .80);" class="fw-bolder text-center text-warning mt-3 text-outline">TEACHER SCHEDULES</H1>

    <div class="container fw-bolder text-center" style="padding: 5px;">';

        $sql = "SELECT \* FROM semesters";

        $result = mysqli\_query($conn, $sql);

        // Check if the query was successful

        if ($result) {

            // Fetch the semester name

            $row = mysqli\_fetch\_assoc($result);

            $semester\_name = $row['semester\_name'];

            $start\_year = $row['start\_year'];

            $end\_year = $row['end\_year'];

            // Display the schedule

            echo '<h1 class= "fw-bolder" style="color:dark; margin-top: 0; margin-bottom: 10px;font-family:">' . $semester\_name . '</h1>';

            echo '<p style="margin: 0;color:black;font-family:monospace; font-size: 17px; margin-bottom: 10px;">A.Y: ' . $start\_year . '-' . $end\_year . '</p>';

        } else {

            // Handle the case when the query fails

            echo 'Error fetching semester name: ' . mysqli\_error($connection);

        }

    echo '  </div>

<style>

.table-bordered {

    border: .2rem solid;

    text-align: center;

    vertical-align: middle;

}

.header\_row{

    color: darkgreen;

    font-family: consolas ;

    text-align: center;

    font-size: 2rem;

    vertical-align: middle;

}

.print-page {

    padding: 20px;

}

.print-table {

    width: 100%;

    border-collapse: collapse;

    page-break-before: always; /\* Added property for separate pages \*/

}

.print-table:not(:first-of-type) {

   page-break-inside: avoid; /\* Added property for subsequent tables \*/

}

.print-table thead th {

    font-weight: bold;

    background-color: #223e28;

    color: #fff;

}

.print-table tbody td {

    padding: 4px;

}

.print-table tbody tr:hover {

    background-color: #e0e0e1;

}

.print-btn {

    margin-top: 20px;

}

.header\_row{

    color: darkgreen;

    text-align: center;

    vertical-align: middle;

    font-family:monospace;

    font-size:1.5rem;

    font-weight:bold;

}

.bg-dark {

    background-color: yellow;

}

.bg-green {

    background-color: green;

}

.room-label {

    font-size:2rem;

    text-align: center;

    margin-top: 20px;

    fomt-family:monospace;

    vertical-align:middle;

}

@media print {

    body {

        visibility: hidden;

    }

    .print-page {

        visibility: visible;

        width: 100%;

        height: 100%;

        margin: 0;

        padding: 20px;

        box-sizing: border-box;

        page-break-after: always;

    }

    .print-table thead th {

        padding: 2px;

        font-family: monospace;

        font-size:13px;

        font-weight: bolder;

        color: black;

        text-align:center;

        vertical-align:middle;

        border:3px solid green;

    }

    .print-table thead th:nth-child(1) {

        color:green;

    }

    .print-table thead th:nth-child(2) {

        color:green;

    }

    .print-table thead th:nth-child(3) {

        color:green;

    }

    .print-table thead th:nth-child(4) {

        color:green;

    }

    .print-table thead th:nth-child(5) {

        color:green;

    }

    .print-table thead th:nth-child(6) {

        color:green;

    }

    .print-table thead th:nth-child(7) {

        color:green;

    }

    .print-table thead th:nth-child(8) {

        color:green;

    }

    .print-table tbody td {

        padding: 4px;

        color: black;

        font-family:monospace;

        border:.5px solid ;

    }

}

</style>;

<script>

// Handle Ctrl+P key press event

document.addEventListener("keydown", function(event) {

    if (event.ctrlKey && event.key === "p" || "P") {

        event.preventDefault(); // Prevent default print action

        window.location.href = "view\_teacher\_generatePDF.php"; // Redirect to generatePDF.php

    }

});

</script>';

// Function to calculate the rowspan value for the day

function calculateRowspan($teacher, $day) {

    global $conn;

    // Query to count the number of rows for the teacher and day combination

    $countQuery = "SELECT COUNT(\*) AS num\_rows FROM faculty\_loadings WHERE teacher = '$teacher' AND day = '$day'";

    $countResult = $conn->query($countQuery);

    if ($countResult !== false && $countResult->num\_rows > 0) {

        $countRow = $countResult->fetch\_assoc();

        return $countRow['num\_rows'];

    }

    return 1; // Default rowspan value

}

$sql = "SELECT DISTINCT teacher FROM faculty\_loadings ORDER BY teacher ASC";

$result = $conn->query($sql);

if ($result !== false && $result->num\_rows > 0) {

    echo '<div class="container print-page">';

    while ($row = $result->fetch\_assoc()) {

        $teacher = $row['teacher'];

        $sql = "SELECT \* FROM faculty\_loadings WHERE teacher = '$teacher' ORDER BY FIELD(day, 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday'), start\_time, end\_time";

        $scheduleResult = $conn->query($sql);

if ($scheduleResult !== false && $scheduleResult->num\_rows > 0) {

    echo '<table class="table mt-4 print-table table-bordered table table-hover">';

    echo '<thead class="fw-bolder bg-dark text-light"><tr><th>Teacher</th><th>Day</th><th>Subject Code</th><th>Subject Title</th><th>Subject Type</th></th><th>Room</th><th>Course Year & Section</th><th>Start\_Time</th><th>End\_Time</th></tr></thead>';

    echo '<tbody>';

    $firstRow = true; // Flag to check if it's the first row for the teacher

  // ...

$previousDay = ""; // Variable to store the previous day

$rowspan = 0; // Variable to store the rowspan value for the day

while ($scheduleRow = $scheduleResult->fetch\_assoc()) {

    $day = $scheduleRow['day'];

    $bgColorClass = '';

    // Set background color class based on the day of the week

    if ($day == 'Monday') {

        $bgColorClass = 'table-primary';

    } elseif ($day == 'Tuesday') {

        $bgColorClass = 'table-warning';

    } elseif ($day == 'Wednesday') {

        $bgColorClass = 'table-info';

    } elseif ($day == 'Thursday') {

        $bgColorClass = 'table-danger';

    } elseif ($day == 'Friday') {

        $bgColorClass = 'table-secondary';

    }

    echo '<tr class="' . $bgColorClass . '">';

    // Output teacher's name only for the first row

    if ($firstRow) {

        $firstRow = false;

        echo '<td class="header\_row bg-light" rowspan="' . $scheduleResult->num\_rows . '">' . $teacher . '</td>';

    }

    // Check if the current day is the same as the previous day

    if ($day != $previousDay) {

        // Calculate the rowspan value for the day

        $rowspan = calculateRowspan($teacher, $day);

        echo '<td class="header\_row bg-light" rowspan="' . $rowspan . '">' . $day . '</td>';

    }

    // Output the remaining table cells

    echo '<td>' . $scheduleRow['subject\_code'] . '</td>';

    echo '<td>' . $scheduleRow['subject\_description'] . '</td>';

    echo '<td>' . $scheduleRow['subject\_type'] . '</td>';

    echo '<td>' . $scheduleRow['room\_name'] . '</td>';

    echo '<td>' . $scheduleRow['course\_year\_section'] . '</td>';

    // Format the start time and end time in 12-hour format with AM/PM

    $start\_time = date("h:i A", strtotime($scheduleRow['start\_time']));

    $end\_time = date("h:i A", strtotime($scheduleRow['end\_time']));

    echo '<td>' . $start\_time . '</td>';

    echo '<td>' . $end\_time . '</td>';

    echo '</tr>';

    // Update the previous day variable

    $previousDay = $day;

}

}

    }

}