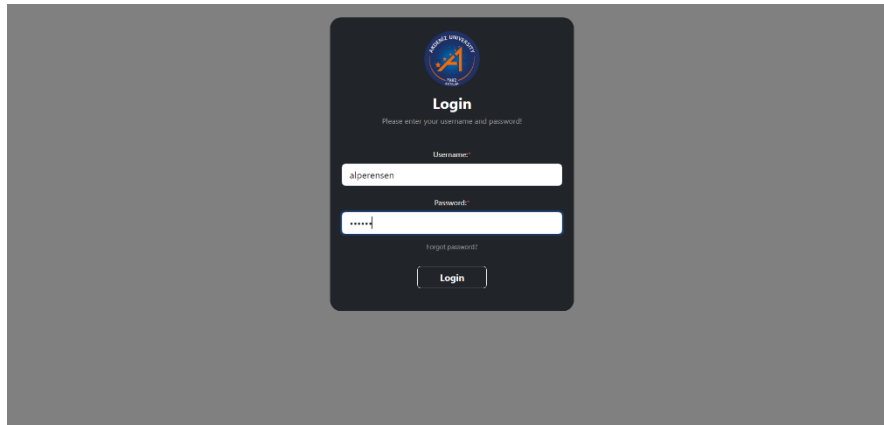


WEB PROGRAMMING ASSIGNMENT : Create Student and Associate with Courses

Name: Utku Alperen ŞEN

Student ID: 20200808702

1. CREATE STUDENT DASHBOARD PAGE CODE:



```
<?php $page_name = 'dashboard'; ?>
<?php include 'layout/st_header.php'; ?>

<div class="d-flex main-content" id="wrapper">
    <!-- Sidebar -->
    <?php include 'layout/st_sidebar.php'; ?>
    <!-- Page content wrapper -->
    <div id="page-content-wrapper">
        <!-- Top navigation -->
        <?php include 'layout/st_navbar.php'; ?>
        <!-- Page content -->
        <div class="container-fluid">
            <span class="baslik">DASHBOARD</span>
            <br>
            <span class="baslik">UPCOMING EXAMS</span>
        </div>

        $user_pk = $_SESSION['pk'];

        $sql_exams = "SELECT exams.date, exams.type, exams.percentgrade, courses.name as course_name, instructors.pk as instructor_pk, users.firstName, users.lastName
FROM exams
INNER JOIN courses ON exams.coursefk = courses.pk
INNER JOIN instructors ON courses.instructorfk = instructors.pk
INNER JOIN users ON instructors.userfk = users.pk
INNER JOIN course_student ON exams.coursefk = course_student.coursefk
INNER JOIN students ON course_student.studentfk = students.pk
WHERE students.userfk = ? AND exams.date > NOW() AND course_student.studentfk = students.pk
ORDER BY exams.date ASC";


$stmt_exams = $conn->prepare($sql_exams);
$stmt_exams->bind_param("i", $user_pk);
$stmt_exams->execute();
$result_exams = $stmt_exams->get_result();

if ($result_exams->num_rows > 0) { ?>
    <div class="table-responsive-md">
        <table class="table table-striped table-hover">
            <thead class="table-dark">
                <tr>
                    <th scope="col">#</th>
                    <th scope="col">Course Name</th>
                    <th scope="col">Type</th>
                    <th scope="col">Percent Grade</th>
                    <th scope="col">Instructor Name</th>
                    <th scope="col">Date</th>
                </tr>
            </thead>
            <tbody>
                <?php
                $var = 1;
                while ($row = $result_exams->fetch_assoc()) { ?>
                    <tr>
                        <th scope="row"><?php echo $var; ?></th>
                        <td><?php echo htmlspecialchars($row["course_name"]); ?></td>
                        <td><?php echo htmlspecialchars($row["type"]); ?></td>
                        <td><?php echo htmlspecialchars($row["percentgrade"]); ?></td>
                        <td><?php echo htmlspecialchars($row["firstName"] . " " . $row["lastName"]); ?></td>
                        <td><?php echo htmlspecialchars($row["date"]); ?></td>
                    </tr>
                </tbody>
                <?php
                $var++;
            } ?>
            </tbody>
        </table>
    </div>
    <?php } else {
        echo "<p>No upcoming exams found</p>";
    }
    ?>
</div>
</div>

<?php include 'layout/st_footer.php'; ?>
```

DASHBOARD					
UPCOMING EXAMS					
#	Course Name	Type	Percent Grade	Instructor Name	Date
1	Web Programming	Midterm	40.00	Melih Güney	2024-05-10 14:26:00
2	Internet Of Things	Midterm	30.00	Taner Danışman	2024-05-13 14:28:00
3	Internet Of Things	Project	30.00	Taner Danışman	2024-05-16 14:22:00
4	Computer Organization	Midterm	40.00	Taner Danışman	2024-05-30 14:21:00
5	Web Programming	Final	60.00	Melih Güney	2024-06-13 14:27:00
6	Internet Of Things	Final	40.00	Taner Danışman	2024-06-25 14:22:00
7	Computer Organization	Final	60.00	Taner Danışman	2024-06-26 14:22:00

2. ADD STUDENT TO USERS PAGE:

Exam System	<div>  </div> <div> <div>Dashboard</div> <div>My Courses</div> <div>+ Add Student</div> <div>+ Add Course</div> <div>Contact</div> </div>	<div> <div>Taner Danışman</div> </div> <div> <div>ADD STUDENT</div> <div> <div>ADD STUDENT FORM</div> <div> <div>Username*</div> <div></div> </div> <div> <div>Email*</div> <div></div> </div> <div> <div>Password*</div> <div></div> </div> <div> <div>First Name*</div> <div></div> </div> <div> <div>Last Name*</div> <div></div> </div> <div> <div>Date of Birth*</div> <div>gg-aa-yyyy</div> <div></div> </div> <div> <div>Active*</div> <div>Select State</div> <div></div> </div> <div>Add</div> </div> </div>
-------------	--	---

```

<!-- STUDENT FORM -->
<div class="card examForm">
  <div class="card-body">
    <?php
      $usernameErr = $passwordErr = $fNameErr = $lNameErr = $dobErr = $activeErr = $emailErr = "";
      $instructorName = $_SESSION['name'];
      date_default_timezone_set('Europe/Istanbul');
      $currentDateTime = date("Y-m-d H:i:s");
      $role = "student";

      function test_input($data) {
        $data = trim($data);
        $data = stripslashes($data);
        $data = htmlspecialchars($data);
        return $data;
      }

      if(isset($_POST['add_student'])){
        if (empty($_POST['add_student_username'])) {
          $usernameErr = "Student Username is required";
        } else {
          $username = test_input(isset($_POST['add_student_username']) ? $_POST['add_student_username'] : '');
        }

        if (empty($_POST['add_student_email'])) {
          $emailErr = "Email is required";
        } else {
          $email = test_input(isset($_POST['add_student_email']) ? $_POST['add_student_email'] : '');
        }

        if (empty($_POST['add_student_password'])) {
          $passwordErr = "Student Password is required";
        } else {
          $password = md5(test_input($_POST['add_student_password']));
        }

        if (empty($_POST['add_student_firstName'])) {
          $fNameErr = "Student First Name is required";
        } else {
          $fName = test_input(isset($_POST['add_student_firstName']) ? $_POST['add_student_firstName'] : '');
        }

        if (empty($_POST['add_student_lastName'])) {
          $lNameErr = "Student Last Name is required";
        }
      }
    </?php
  </div>

```

```

    } else {
        $lname = test_input(isset($_POST['add_student_lastname']) ? $_POST['add_student_lastname'] : '');
    }
    if (empty($_POST['add_student_dob'])) {
        $dobErr = "Date of Birth is required";
    } else {
        $dob = test_input(isset($_POST['add_student_dob']) ? $_POST['add_student_dob'] : '');
    }
    if (empty($_POST['add_student_active_state'])) {
        $activeErr = "Active state is required";
    } else {
        $active = isset($_POST['add_student_active_state']) && $_POST['add_student_active_state'] == 'Yes' ? 1 : 0;
    }

    /*CHECK USERNAME IF IT ALREADY EXISTS*/
    $check_username_query = $conn->prepare("SELECT username FROM users WHERE username = ?");
    $check_username_query->bind_param("s", $username);
    $check_username_query->execute();
    $check_username_result = $check_username_query->get_result();

    if($check_username_result->num_rows > 0) {
        >>
        <script>
            swal({
                title: "Error",
                text: "Username already exists!",
                icon: "error",
            }).then(function() {
                window.location.href = 'Instructor_add_student.php';
            });
        </script>
    <?php

```

```

    } else {
        /*INSERT STUDENT TO USERS TABLE*/
        $student_insert_users = $conn->prepare("INSERT INTO users (username, password, email, firstName, lastName, dob, active, role, updatedBy, updatedAt)
        VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?, ?)");
        $student_insert_users->bind_param("ssssssssss", $username, $password, $email, $fname, $lname, $dob, $active, $role, $instructorName, $currentDateTime);

        if ($student_insert_users->execute()) {
            $userFK = $conn->insert_id;

            $student_insert_students = $conn->prepare("INSERT INTO students (userFK, updatedBy, updatedAt) VALUES (?, ?, ?)");
            $student_insert_students->bind_param("iss", $userFK, $instructorName, $currentDateTime);

            if ($student_insert_students->execute()) {
                <script>
                    swal({
                        title: "Success",
                        text: "You added the student",
                        icon: "success",
                    }).then(function() {
                        window.location.href = 'Instructor_add_student.php';
                    });
                </script>
            <?php
            } else {
                echo "Error: " . $student_insert_students->error;
            }
        } else {
            echo "Error: " . $student_insert_users->error;
        }
    }
}
?>

```

```
<!-- FORM CONTEXT -->
<h4 class="card-title">ADD STUDENT FORM</h4>
<form action="" method="POST">
  <div class="mb-3">
    <label for="username" class="form-label">Username:<span class="text-danger">*</span></label>
    <input type="text" class="form-control" id="username" name="add_student_username" required>
    <span class="text-danger"><?php echo $usernameErr; ?></span>
  </div>
  <div class="mb-3">
    <label for="email" class="form-label">Email:<span class="text-danger">*</span></label>
    <input type="email" class="form-control" id="email" name="add_student_email" required>
    <span class="text-danger"><?php echo $emailErr; ?></span>
  </div>
  <div class="mb-3">
    <label for="password" class="form-label">Password:<span class="text-danger">*</span></label>
    <input type="password" class="form-control" id="password" name="add_student_password" required>
    <span class="text-danger"><?php echo $passwordErr; ?></span>
  </div>
  <div class="mb-3">
    <label for="firstName" class="form-label">First Name:<span class="text-danger">*</span></label>
    <input type="text" class="form-control" id="firstName" name="add_student_firstName" required>
    <span class="text-danger"><?php echo $fNameErr; ?></span>
  </div>
  <div class="mb-3">
    <label for="lastName" class="form-label">Last Name:<span class="text-danger">*</span></label>
    <input type="text" class="form-control" id="lastName" name="add_student_lastName" required>
    <span class="text-danger"><?php echo $lNameErr; ?></span>
  </div>
  <div class="mb-3">
    <label for="dob" class="form-label">Date of Birth:<span class="text-danger">*</span></label>
    <input type="date" class="form-control" id="dob" name="add_student_dob" required>
    <span class="text-danger"><?php echo $dobErr; ?></span>
  </div>
  <div class="mb-3">
    <label for="examType" class="form-label">Active:<span class="text-danger">*</span></label>
    <select class="form-select" id="active" name="add_student_active_state" required>
      <option value="">Select State</option>
      <option value="Yes">Yes</option>
      <option value="No">No</option>
    </select>
    <span class="text-danger"><?php echo $activeErr; ?></span>
  </div>
  <button class="btn btn-dark" type="submit" name="add_student" style="float: right;">Add</button>
</form>
```

The screenshot shows the 'ADD STUDENT' form in the Exam System. A modal dialog box with a green checkmark icon and the text 'Success' is displayed in the center, indicating that the student was added successfully. The background form is dimmed and contains fields for Username, Email, Password, First Name, Last Name, Date of Birth, and Active status, along with an 'Add' button at the bottom right.

The screenshot shows the 'ADD STUDENT' form in the Exam System. A modal dialog box with a red 'X' icon and the text 'Error' is displayed in the center, indicating that the student could not be added because the username already exists. The background form is dimmed and contains fields for Username, Email, Password, First Name, Last Name, Date of Birth, and Active status, along with an 'Add' button at the bottom right.

3. ADD STUDENT TO COURSE PAGE:

```
<!-- STUDENT FORM -->
<div class="card examForm">
  <div class="card-body">
    <?php
      $usernameErr = $passwordErr = $fnameErr = $lnameErr = $dobErr = $activeErr = $emailErr = "";
      $instructorName = $_SESSION["name"];

      date_default_timezone_set('Europe/Istanbul');
      $currentDateTime = date("Y-m-d H:i:s");
      $studentNameErr = $courseNameErr = "";

      function test_input($data) {
        $data = trim($data);
        $data = stripslashes($data);
        $data = htmlspecialchars($data);
        return $data;
      }

      $instructor_user_pk = $_SESSION['pk'];
      $sql_instructor = "SELECT pk FROM instructors WHERE userPk = ?";
      $stmt_instructor = $conn->prepare($sql_instructor);
      $stmt_instructor->bind_param("i", $instructor_user_pk);
      $stmt_instructor->execute();
      $result_instructor = $stmt_instructor->get_result();

      $row_instructor = $result_instructor->fetch_assoc();
      $instructor_pk = $row_instructor['pk'];

      $query_students = "SELECT students.pk, users.firstName, users.lastName FROM students JOIN users ON students.userPk = users.pk";
      $result_students = $conn->query($query_students);

      $query_courses = "SELECT * FROM courses WHERE courses.instructorPk = ?";
      $stmt = $conn->prepare($query_courses);
      $stmt->bind_param("i", $instructor_pk);
      $stmt->execute();
      $result_courses = $stmt->get_result();

      if(isset($_POST['add_student_course'])){
        if(empty($_POST['student_name'])){
          $studentNameErr = "Student Name is required";
        } else {
          $student_pk = test_input($_POST['student_name']);
        }

        if(empty($_POST['course_name'])){
          $courseNameErr = "Course Name is required";
        } else {
          $course_pk = test_input($_POST['course_name']);
        }
      }
    </?php
  </div>
</div>
```

```

//CHECK STUDENT HAS ALREADY ADDED THE COURSE
$check_query = "SELECT * FROM course_student WHERE courseFk = ? AND studentFk = ?";
$check_stmt = $conn->prepare($check_query);
$check_stmt->bind_param("ii", $course_pk, $student_pk);
$check_stmt->execute();
$check_result = $check_stmt->get_result();

if($check_result->num_rows > 0) {
    echo "<script>swal('Error', 'This student is already added to this course.', 'error');</script>";
} else {
    //INSERT STUDENT to COURSE
    $insert_course_student = $conn->prepare("INSERT INTO course_student (courseFk, studentFk, updatedBy, updatedDate) VALUES (?, ?, ?, ?)");
    $insert_course_student->bind_param("iiss", $course_pk, $student_pk, $instructorName, $currentDateTime);
    if($insert_course_student->execute()) {
        ?>
        <script>
            swal({
                title: "Success",
                text: "Course added for student successfully",
                icon: "success",
            }).then(function() {
                window.location.href = 'Instructor_add_course.php';
            });
        </script>
        <?php
    } else {
        echo "Error: " . $insert_course_student->error;
    }
}
?>


```

```

<!-- FORM CONTEXT -->
<h4 class="card-title">ADD COURSE FORM</h4>
<form action="" method="POST">
    <div class="mb-3">
        <label for="studentName" class="form-label">Student Name:<span class="text-danger">*</span></label>
        <select class="form-select" id="student_name" name="student_name" required>
            <option value="">Select Student</option>
            <?php
            while($row = $result_students->fetch_assoc()) {
                echo "<option value='". $row['pk']."'>". $row['firstName']." " . $row['lastName']."</option>";
            }
            ?>
        </select>
        <span class="text-danger"><?php echo $studentNameErr; ?></span>
    </div>
    <div class="mb-3">
        <label for="courseName" class="form-label">Course Name:<span class="text-danger">*</span></label>
        <select class="form-select" id="courseName" name="course_name" required>
            <option value="">Select Course</option>
            <?php
            while($row = $result_courses->fetch_assoc()) {
                echo "<option value='". $row['pk']."'>". $row['name']."</option>";
            }
            ?>
        </select>
        <span class="text-danger"><?php echo $courseNameErr; ?></span>
    </div>
    <button class="btn btn-dark" type="submit" name="add_student_course" style="float: right;">Add</button>
</form>

```

Exam System



Dashboard

My Courses

+ Add Student

+ Add Course

Contact

Melih Güney

ADD COURSE

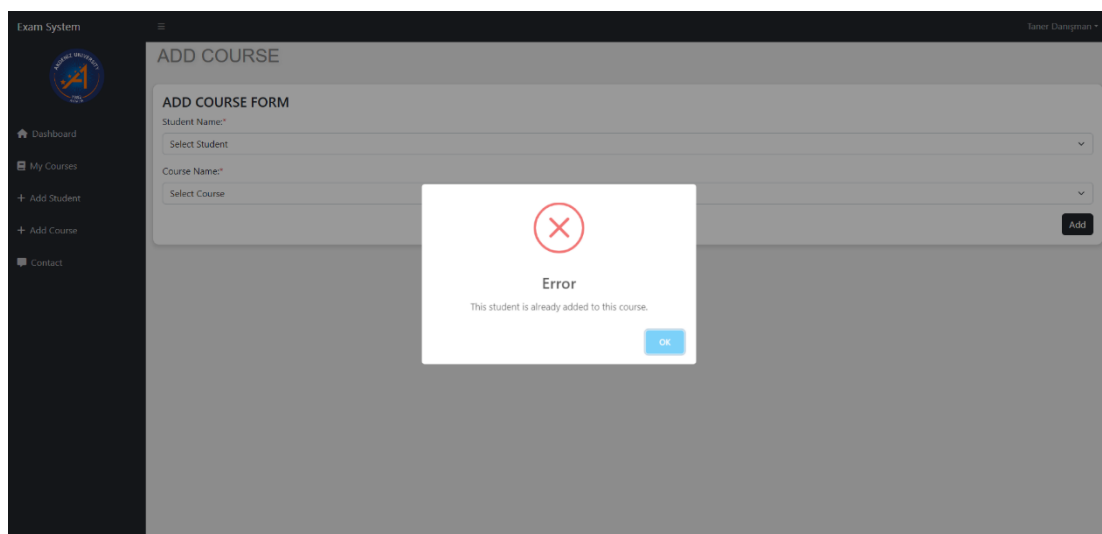
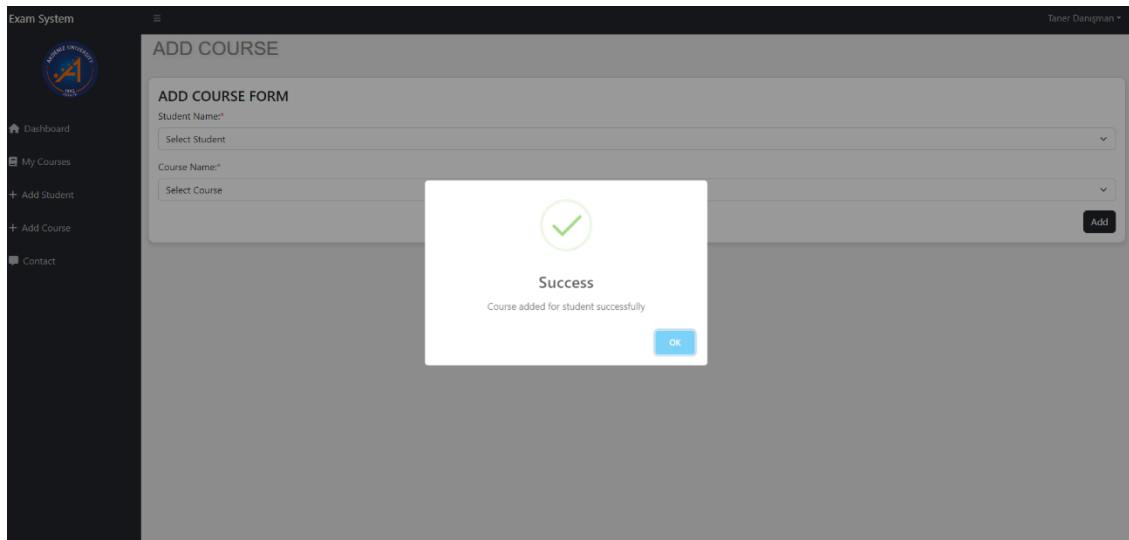
ADD COURSE FORM

Student Name:

Course Name:

Select Course

Add



4. ADD A DYNAMIC SEARCH BOX FOR SEARCHING STUDENTS TO ADD A COURSE.

```
<div class="mb-3">
  <label for="studentName" class="form-label">Student Name:<span class="text-danger">*</span></label>
  <input type="text" name="student_name" id="studentName" class="form-control input-lg" autocomplete="off" placeholder="Student Name" />
  <input type="hidden" name="student_pk" id="studentPk" />
  <span class="text-danger"><?php echo $studentNameErr; ?></span>
</div>
```

4.1 GET_STUDENTS.PHP

```
1  <?php
2  session_start();
3  $servername = "";
4  $username = "alperen";
5  $password = "password";
6  $db_name = "exam_system";
7  $conn = mysqli_connect($servername,$username,$password,$db_name);
8  if (!$conn) {
9      die("Could not connect to database: " . mysqli_connect_error());
10 }
11 if(isset($_GET['term'])){
12     /*GET THE TERM ENTERED BY USER*/
13     $searchTerm = $_GET['term'];
14     /*STUDENT FIND QUERY*/
15     $query = "SELECT students.pk, users.firstName, users.lastName FROM students JOIN users ON students.userFk = users.pk
16             WHERE CONCAT(users.firstName, ' ', users.lastName) LIKE '%" . $searchTerm . "%'";
17     $result = $conn->query($query);
18     /* SHOW STUDENTS */
19     $students = [];
20     while($row = $result->fetch_assoc()) {
21         $student = [];
22         $student['label'] = $row['firstName'] . ' ' . $row['lastName'];
23         $student['value'] = $row['pk'];
24         $students[] = $student;
25     }
26     echo json_encode($students);
27 }
28 ?>
```

4.2 AJAX FUNCTION

```
<!-- jQuery -->
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
<!-- jQuery UI -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/jqueryui/1.12.1/jquery-ui.min.css">
<script src="https://cdnjs.cloudflare.com/ajax/libs/jqueryui/1.12.1/jquery-ui.min.js"></script>
<script>
$(document).ready(function(){
    $("#studentName").autocomplete({
        source: function(request, response) {
            $.ajax({
                url: "get_students.php",
                dataType: "json",
                data: {
                    term: request.term
                },
                success: function(data) {
                    response(data);
                }
            });
        },
        minLength: 0,
        select: function(event, ui) {
            $('#studentPk').val(ui.item.value);
        }
    }).focus(function() {
        $(this).autocomplete("search", "");
    });
});
```

ADD COURSE

ADD COURSE FORM

Student Name:*

Student Name

Utku Alperen ŞEN
Berke Uzun
ayse dardim
Nedim Tartar
Selin Karabiçak
Deneme Deneme
Deneme1 Deneme1
Orhun Sildak

ADD COURSE

ADD COURSE FORM

Student Name:*

Utk

Utku Alperen ŞEN

Select Course

Add

Exam System

Melih Günay

ADD COURSE

ADD COURSE FORM

Student Name*

Deneme1

Deneme1 Deneme1

Deneme1 Deneme1

Web Programming

Add

Exam System

Melih Günay

ADD COURSE

ADD COURSE FORM

Student Name*

Student Name

Course Name*

Select Course

Success

Course added for student successfully

OK

5. SHOW STUDENT'S COURSES PAGE:

```

<?php>
<!--SHOWING COURSES TABLE-->
<?php

$user_pk = $_SESSION['pk'];

/*SQL QUERY FOR STUDENTS COURSES*/
$sql_courses = "SELECT courses.name, courses.code, instructors.pk as instructor_pk, users.firstName, users.lastName
FROM courses
INNER JOIN course_student ON courses.pk = course_student.courseFk
INNER JOIN instructors ON courses.instructorFk = instructors.pk
INNER JOIN students ON course_student.studentFk = students.pk
INNER JOIN users ON instructors.userFk = users.pk
WHERE students.userFk = ?";

$stmt_courses = $conn->prepare($sql_courses);
$stmt_courses->bind_param("i", $user_pk);
$stmt_courses->execute();
$result_courses = $stmt_courses->get_result();

if ($result_courses->num_rows > 0) {
    <div class="table-responsive-md">
        <table class="table table-striped table-hover">
            <thead class="table-dark">
                <tr>
                    <th scope="col">#</th>
                    <th scope="col">Course Name</th>
                    <th scope="col">Course Code</th>
                    <th scope="col">Instructor Name</th>
                </tr>
            </thead>
            <tbody>
                <?php
                $var = 1;
                while ($row = $result_courses->fetch_assoc()) {
                    <tr>
                        <th scope="row"><?php echo $var;></th>
                        <td><?php echo htmlspecialchars($row["name"]);></td>
                        <td><?php echo htmlspecialchars($row["code"]);></td>
                        <td><?php echo htmlspecialchars($row["firstName"] . " " . $row["lastName"]);></td>
                    </tr>
                </tbody>
                <?php
                $var++;
            }
        </table>
    </div>
} else {
    <?php echo "<p>No courses found</p>";
}
}
}

```


MY COURSES			
#	Course Name	Course Code	Instructor Name
1	Web Programming	CSE 236	Melih Günay
2	Introduction to Data Mining	CSE 244	Melih Günay
3	Computer Organization	CSE 206	Taner Danışman
4	Internet Of Things	CSE 328	Taner Danışman
5	Parallel Computing	CSE 452	Taner Danışman
6	Computer Programing II	CSE 102T	Joseph William Ledet
7	Discrete Mathematics II	CSE 222	Murat Ak
8	Seminar	CSE 392	Murat Ak

6. THE STUDENTS SHOULD BE ABLE TO SEE LIST OF EXAMS IN SEPARATE PAGES AFTER LOGIN:

```


<br><br>
    <span class="baslik">UPCOMING EXAMS</span>
    <?php

    $user_pk = $_SESSION['pk'];

    $sql_exams = "SELECT exams.date, exams.type, exams.percentgrade, courses.name as course_name, instructors.pk as instructor_pk, users.firstName, users.lastName
    FROM exams
    INNER JOIN courses ON exams.courseFk = courses.pk
    INNER JOIN instructors ON courses.instructorFk = instructors.pk
    INNER JOIN users ON instructors.userFk = users.pk
    INNER JOIN course_student ON exams.courseFk = course_student.courseFk
    INNER JOIN students ON course_student.studentFk = students.pk
    WHERE students.userFk = ? AND exams.date > NOW() AND course_student.studentFk = students.pk
    ORDER BY exams.date ASC";

    $stmt_exams = $conn->prepare($sql_exams);
    $stmt_exams->bind_param("i", $user_pk);
    $stmt_exams->execute();
    $result_exams = $stmt_exams->get_result();

    if ($result_exams->num_rows > 0) {
        <div class="table-responsive-md">
            <table class="table table-striped table-hover">
                <thead class="table-dark">
                    <tr>
                        <th scope="col">#</th>
                        <th scope="col">Course Name</th>
                        <th scope="col">Type</th>
                        <th scope="col">Percent Grade</th>
                        <th scope="col">Instructor Name</th>
                        <th scope="col">Date</th>
                    </tr>
                </thead>
                <tbody>
                    <?php
                    $var = 1;
                    while ($row = $result_exams->fetch_assoc()) {
                        <tr>
                            <th scope="row"><?php echo $var; ?></th>
                            <td><?php echo htmlspecialchars($row["course_name"]); ?></td>
                            <td><?php echo htmlspecialchars($row["type"]); ?></td>
                            <td><?php echo htmlspecialchars($row["percentgrade"]); ?></td>
                            <td><?php echo htmlspecialchars($row["firstName"]) . " " . $row["lastName"]; ?></td>
                            <td><?php echo htmlspecialchars($row["date"]); ?></td>
                        </tr>
                    <?php
                    $var++;
                }
            </tbody>
        </table>
    </div>
    <?php } else {
        echo "<p>No upcoming exams found</p>";
    }


```



Dashboard

My Courses

Contact

DASHBOARD

UPCOMING EXAMS

#	Course Name	Type	Percent Grade	Instructor Name	Date
1	Web Programming	Midterm	40.00	Melih Günay	2024-05-10 14:26:00
2	Internet Of Things	Midterm	30.00	Taner Danişman	2024-05-13 14:28:00
3	Internet Of Things	Project	30.00	Taner Danişman	2024-05-16 14:22:00
4	Computer Organization	Midterm	40.00	Taner Danişman	2024-05-30 14:21:00
5	Web Programming	Final	60.00	Melih Günay	2024-06-13 14:27:00
6	Internet Of Things	Final	40.00	Taner Danişman	2024-06-25 14:22:00
7	Computer Organization	Final	60.00	Taner Danişman	2024-06-26 14:22:00