WEB PROGRAMMING ASSIGNMENT: Create Exam Page/Login Page

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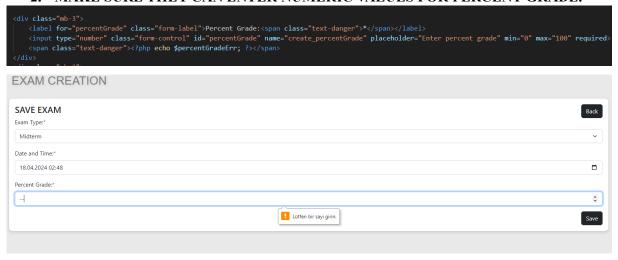
1. IMPLEMENT VALIDATION FOR REQUIRED FIELDS INCLUDING SERVER-CLIENT.

```
/*CREATE OPERATION*/
if (isset($_POST['save_exam'])) {
    if (empty($_POST['create_examType'])) {
        $examTypeErr = "Exam type is required";
    } else {
        $examType = test_input(isset($_POST['create_examType']) ? $_POST['create_examType'] : '');
}

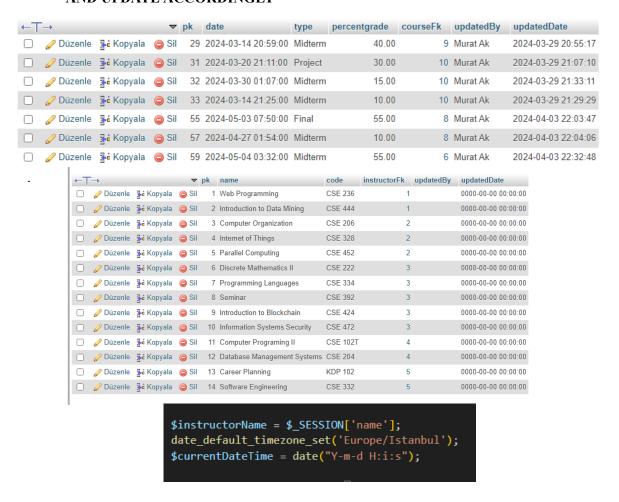
if (empty($_POST['create_examDateTime'])) {
        $examDateTimeErr = "Exam date is required";
    } else {
        $examDateTime = test_input(isset($_POST['create_examDateTime'])) ? $_POST['create_examDateTime'] : '');
}

if (empty($_POST['create_percentGrade'])) {
        $percentGradeErr = "Percent grade is required";
    } else {
        $percentGrade = test_input(isset($_POST['create_percentGrade'])) ? $_POST['create_percentGrade'] : '');
}
```

2. MAKE SURE THEY CAN ENTER NUMERIC VALUES FOR PERCENT GRADE.

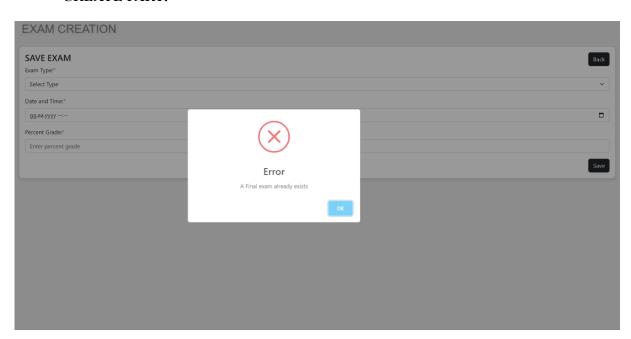


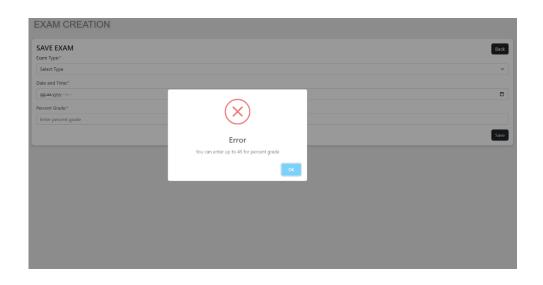
3. ADD UPDATED BY AND UPDATE DATE FOR EACH TABLE IN THE DATABASE AND UPDATE ACCORDINGLY



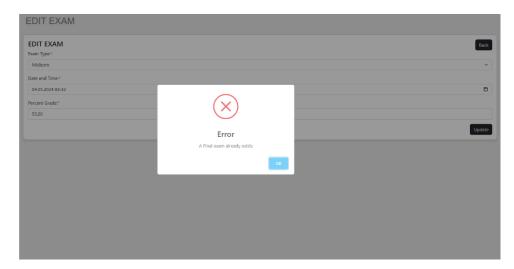
4. MAKE SURE THE PERCENT GRADE DOES NOT EXCEED 100 PERCENT. NO 2 FINAL EXAMS ARE ALLOWED.

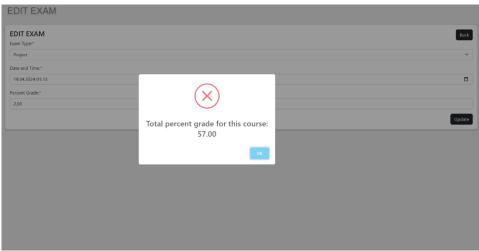
CREATE PART:





UPDATE PART:





```
function UpdateExam($examDateTime, $examType, $percentGrade, $instructorName, $currentDateTime)
   global $conn, $courses code, $courseFk, $exams pk, $exam percentgrade;
   $sql_sum_percentgrade = "SELECT exams.percentgrade, SUM(percentgrade) AS total_percentgrade FROM exams WHERE exams.courseFk = '$courseFk'";
   $stmt_sum_percentgrade = $conn->prepare($sql_sum_percentgrade);
   $stmt sum percentgrade->execute();
   $result_sum_percentgrade = $stmt_sum_percentgrade->get_result();
  if ($result_sum_percentgrade) {
    $row_sum_percentgrade = $result_sum_percentgrade->fetch_assoc();
       $total_percentgrade = $row_sum_percentgrade['total_percentgrade'];
      $total_percentgrade = 0;
   $new percentGrade = $ POST['update percentGrade'];
   $current_percentGrade = $exam_percentgrade;
   $total_without_current_grade = $total_percentgrade - $current_percentGrade;
   $total_with_new_grade = $total_without_current_grade + $new_percentGrade;
   if ($total_with_new_grade > 100) {
           swal({
              title: "Total percent grade for this course: <?php echo $total_percentgrade; ?>",
```

4.1. MAKE SURE TO CHECK TOTAL GRADE RIGHT BEFORE INSERTING THE ENTRY INTO DATABASE TO PREVENT ASYNC UPDATE BY ANOTHER USER

```
$sql_sum_percentgrade = "SELECT exams.percentgrade, SUM(percentgrade) AS total_percentgrade FROM exams WHERE exams.courseFk = '$courseFk'";
$stmt_sum_percentgrade = $conn->prepare($sql_sum_percentgrade);
$stmt sum percentgrade->execute();
$result_sum_percentgrade = $stmt_sum_percentgrade->get_result();
if ($result_sum_percentgrade) {
   $row_sum_percentgrade = $result_sum_percentgrade->fetch_assoc();
   $total_percentgrade = $row_sum_percentgrade['total_percentgrade'];
   $total_percentgrade = 0;
$new_percentGrade = $_POST['update_percentGrade'];
$current_percentGrade = $exam_percentgrade;
$total_without_current_grade = $total_percentgrade - $current_percentGrade;
$total_with_new_grade = $total_without_current_grade + $new_percentGrade;
if ($total with new grade > 100) {
```

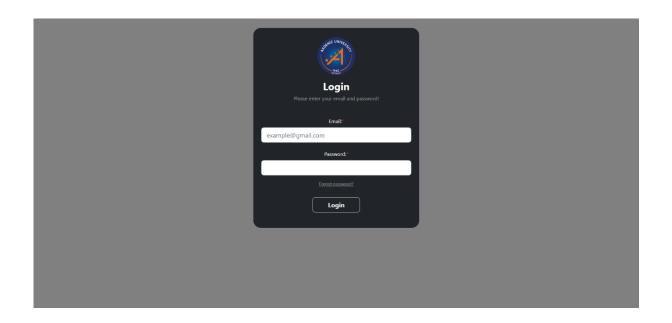
5. IF ALL IS GOOD THE DATA WILL BE INSERTED INTO DATABASE

```
unction saveExam($examDateTime, $examType, $percentGrade, $courseFk, $instructorName, $currentDateTime) {
   global $conn, $courses_code, $courseFk, $instructorName;
    /~TOTAL PERCENT UNDER CONTINUE ()
$750__sum_percentgrade = "SELECT SUM(percentgrade) AS total_percentgrade FROM exams WHERE exams.courseFk = '$courseFk'";
$result_sum_percentgrade = $conn->query($sql_sum_percentgrade);
   if ($result_sum_percentgrade) {
    $row_sum_percentgrade = $result_sum_percentgrade->fetch_assoc();
    $total_percentgrade = $row_sum_percentgrade['total_percentgrade']
          $total percentgrade = 0;
    $user_percentGrade = isset($_POST['create_percentGrade']) ? intval($_POST['create_percentGrade']) : 0;
$total_with_user_grade = $total_percentgrade + $user_percentGrade;
   if ($total_with_user_grade > 100) {
    $max_allowed_grade = 100 - $total_percentgrade;
```

HE Listing Error, AMS WILL REFLECT THE CHANGE IN THE TABLE text: "You can enter up to <?php echo \$max_allowed_grade; ?> for percent grade", icon: "percen"

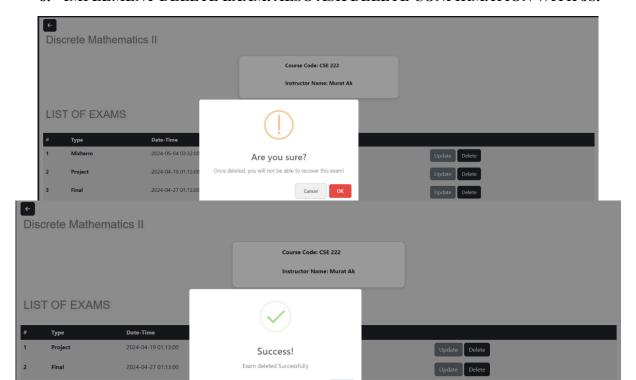
LIST	OF EXAMS	F EXAMS				
#	Туре	Date-Time	Percent Grade			
1	Midterm	2024-05-04 03:32:00	55.00	Update Delete		
2	Project	2024-04-19 01:13:00	2.00	Update Delete		

7. FOR SECURITY SANITIZE FIELDS AND IMPLEMENT MD5 FOR LOGIN.



```
if (empty($_POST["password"])) {
    $passwordErr = "Paswword is required";
    } else {
    $password = md5(test_input($_POST["password"]));
    }
}
```

8. IMPLEMENT DELETE EXAM. ALSO ASK DELETE CONFIRMATION WITH JS.



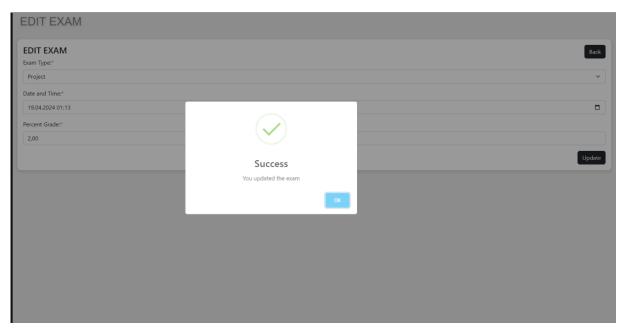
DELETE EXAM.PHP:

CUSTOM.JS:

```
$(document).ready(function () {
    $('.delete_exam').click(function (e) {
        e.preventDefault();
        var pk = $(this).val();

    swal({
            title: "Are you sure?",
            text: "Once deleted, you will not be able to recover this exam!"
```

9. IMPLEMENT UPDATE EXAM



INSTRUCTOR_EXAM_UPDATE.PHP:

```
$\text{?php}
$instructorName = $_SESSION['name'];
date_default_timezone_set('Europe/Istanbul');
$examTypeErr = $examDateTimeErr = $percentGradeErr = "";
$currentDateTime = date("Y-m-d H:i:s");

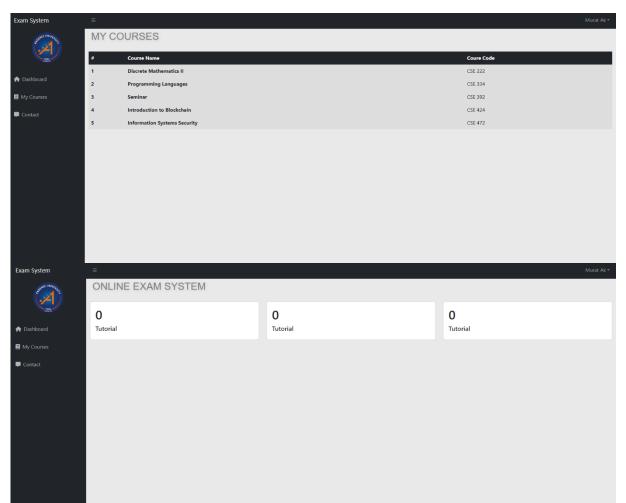
function test_input($data)
{
    $data = trim($data);
    $data = stripslashes($data);
}
```

```
if ($examType == 'Final') {
                                                                    $sql_check_final = "SELECT * FROM exams WHERE type = 'Final'";
$result_check_final = $conn->query($sql_check_final);
                                          }
/* UPDATE EXAM FUNCTION */
function UpdateExam($examOateTime, $examType, $percentGrade, $instructorName, $currentDateTime)
                                                      $sql_sum_percentgrade = "SELECT exams.percentgrade, SUM(percentgrade) AS total_percentgrade FROM exams WHERE exams.courseFk = '$courseFk'";
$stmt_sum_percentgrade = $coun->prepare($sql_sum_percentgrade);
$stmt_sum_percentgrade = $stmt_sum_pe
                                                       if ($result_sum_percentgrade) {
    $row_sum_percentgrade = $result_sum_percentgrade->fetch_assoc();
    $tatal_parcentgrade = $result_sum_percentgrade();
}
<span class="text-danger"><?php echo $examTypeErr; ?></span>
                      (abel for='examDateTime" class="form-label">Date and Time:<span class="text-dangen">*</span></label>
<input type="datetime-local" class="form-control" value="<?= $row['date'];?>" id="examDateTime" name="update_examDateTime" required>
<span class="text-danger"><?php echo $examDateTimeErr; ?></span>
```

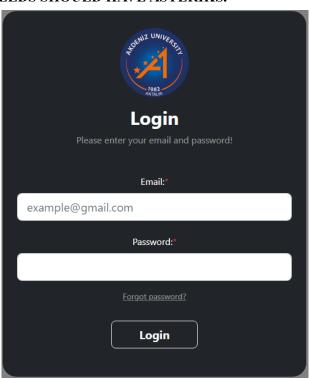
10. USE ALL AVAILABLE SPACE FOR THE TABLES/FORMS.

MY COURSES						
#	Course Name	Coure Code				
1	Discrete Mathematics II	CSE 222				
2	Programming Languages	CSE 334				
3	Seminar	CSE 392				
4	Introduction to Blockchain	CSE 424				
5	Information Systems Security	CSE 472				

11. DONT LOOSE MENU/SIDEBAR IN SUBSEQUENT PAGES



12. REQUIRED FIELDS SHOULD HAVE ASTERIKS.



SAVE EXAM Exam Type:"	Back
Select Type	v
Date and Time:*	
gg.aa.yyyy:	
Percent Grade:*	
Enter percent grade	
	Save

*<