**MyExam project document**

**Summer Practice 1 (SE282/1) project**

**Student :** Faruk Özkan

**Student ID :** 170209007

**Project Topic :** Online Examination System ( web development )

**Name of Project :** MyExam

**Website :** myexam.website

**Languages, libraries and other tools used in project :** HTML, CSS, PHP, Bootstrap, MySql , PDO

**Source Codes of Project**

**database\_connection.php :**

<?php

date\_default\_timezone\_set('Europe/Istanbul');

try {

    // Connection to database

    $database = new PDO("mysql:host=localhost;port=3306;dbname=myexam\_onlineexamination;charset=utf8",'myexam\_root','Shadow3497');

} catch(PDOException $e) {

    echo "Database connection has failed : ".$e->getMessage();

}

?>

**index.php :**

<?php session\_start(); ?>

<?php date\_default\_timezone\_set('Europe/Istanbul'); ?>

<!doctype html>

<html lang="en">

<head>

  <!-- Required meta tags -->

  <meta charset="utf-8">

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

  <!-- Bootstrap CSS -->

  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">

  <title>Welcome to MyExam</title>

</head>

<body>

  <!-- Welcome part  -->

  <br>

  <h1 align="center">Welcome to MyExam</h1>

  <h4 align="center">MyExam is an online examination platform which is created by Faruk Özkan</h4>

  <hr>

  <br>

  <!-- Warnings and notifications starts here -->

  <!-- Warning incase unsuccessful registeration -->

  <?php if ($\_GET['registered'] == "no") { ?>

    <div class="alert alert-danger">

      Registeration Failed ! You may have entered an existing username.

    </div>

  <?php } ?>

  <!-- Notification for successful registeration -->

  <?php if ($\_GET['registered'] == "yes") { ?>

    <div class="alert alert-success">

      Registeration Successful !

    </div>

  <?php } ?>

  <!-- Warning incase invalid username -->

  <?php if ($\_GET['signedin'] == "nouser") { ?>

    <div class="alert alert-danger">

      Couldn't Sign in. Invalid username.

    </div>

  <?php } ?>

  <!-- Warning incase invalid password -->

  <?php if ($\_GET['signedin'] == "nopass") { ?>

    <div class="alert alert-danger">

      Couldn't Sign in. Check your password.

    </div>

  <?php } ?>

  <!-- Log Out Notification -->

  <?php if ($\_GET['logout'] == "yes") { ?>

    <div class="alert alert-success">

      Logged out successfuly. Session has closed.

    </div>

  <?php } ?>

  <!-- Warnings and notifications ends here -->

  <!-- Form starts here  -->

  <div align="center">

    <div class="card" style="width: 60%">

      <div class="card-header">

        <h4 align="center">Login to use MyExam</h4>

      </div>

      <div class="card-body">

        <form action="process.php" method="POST">

          <div class="form-group row">

            <label class="col-sm-2 col-form-label">Username</label>

            <div class="col-sm-10">

              <input type="text" class="form-control" name="username\_signin" placeholder="Enter your username" required="">

            </div>

          </div>

          <div class="form-group row">

            <label class="col-sm-2 col-form-label">Password</label>

            <div class="col-sm-10">

              <input type="password" class="form-control" name="password\_signin" placeholder="Enter your password" required="">

            </div>

          </div>

          <div class="form-group row">

            <div class="col-sm-10">

              <div class="form-check">

                <input class="form-check-input" type="checkbox" name="rememberme\_signin">

                <label class="form-check-label" for="gridCheck1">

                  Remember me

                </label>

              </div>

            </div>

          </div>

          <div class="form-group row">

            <div class="col-sm-10">

              <button type="submit" class="btn btn-primary" name="btn\_signin">Sign in</button>

            </div>

          </div>

        </form>

        <div class="dropdown-divider"></div>

        <a class="dropdown-item" href="register.php">You don't have an account? Click here to sign up.</a>

      </div>

    </div>

  </div>

  <!-- Form ends here  -->

  <!-- Optional JavaScript -->

  <!-- jQuery first, then Popper.js, then Bootstrap JS -->

  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>

  <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</body>

</html>

**register.php :**

<?php require\_once 'database\_connection.php'; ?>

<?php date\_default\_timezone\_set('Europe/Istanbul'); ?>

<!doctype html>

<html lang="en">

<head>

  <!-- Required meta tags -->

  <meta charset="utf-8">

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

  <!-- Bootstrap CSS -->

  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">

  <title>Sign Up</title>

</head>

<body>

  <br>

  <h2 align="center">Sign Up</h2>

  <hr><br>

  <!-- form starts here  -->

  <div align="center">

    <div class="card" style="width: 60%">

      <div class="card-header">

        <h4 align="center">Create an account</h4>

      </div>

      <div class="card-body">

        <form action="process.php" method="POST">

          <div class="form-group row">

            <label class="col-sm-2 col-form-label">Username</label>

            <div class="col-sm-10">

              <input type="text" class="form-control" name="username\_signup" placeholder="Enter your username" required="">

            </div>

          </div>

          <div class="form-group row">

            <label class="col-sm-2 col-form-label">Password</label>

            <div class="col-sm-10">

              <input type="password" class="form-control" name="password\_signup" placeholder="Enter your password" required="">

            </div>

          </div>

          <fieldset class="form-group">

            <div class="row">

              <legend class="col-form-label col-sm-2 pt-0">User Type</legend>

              <div class="col-sm-10">

                <div class="form-check">

                  <input class="form-check-input" type="radio" name="gridRadios" value="instructor" checked>

                  <label class="form-check-label">

                    Instructor

                  </label>

                </div>

                <div class="form-check">

                  <input class="form-check-input" type="radio" name="gridRadios" value="student">

                  <label class="form-check-label">

                    Student

                  </label>

                </div>

              </div>

            </div>

          </fieldset>

          <div class="form-group row">

            <div class="col-sm-10">

              <button type="submit" class="btn btn-primary" name="btn\_signup">Sign up</button>

            </div>

          </div>

        </form>

        <div class="dropdown-divider"></div>

        <a class="dropdown-item" href="index.php">You already have an account? Click here to sign in.</a>

      </div>

    </div>

  </div>

  <!-- form ends here  -->

  <!-- Optional JavaScript -->

  <!-- jQuery first, then Popper.js, then Bootstrap JS -->

  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>

  <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</body>

</html>

**process.php :**

<?php

session\_start();

date\_default\_timezone\_set('Europe/Istanbul');

include 'database\_connection.php';

//registiration process starts here

if (isset($\_POST['btn\_signup'])) {

    $register = $database->prepare("INSERT into users set

        users\_username=:users\_username,

        users\_password=:users\_password,

        users\_usertype=:users\_usertype"

    );

    $control = $register->execute(array(

        'users\_username' => $\_POST['username\_signup'],

        'users\_password' => $\_POST['password\_signup'],

        'users\_usertype' => $\_POST['gridRadios']

    ));

    if ($control) { //if registered

        header("Location:index.php?registered=yes");

        exit;

    }

    else { //if couldn't register

    header("Location:index.php?registered=no");

    exit;

}

}

//registiration process ends here

//sign in process starts here

if(isset($\_POST['btn\_signin'])) {

    //hold username and password to search

    $tempusername = $\_POST['username\_signin'];

    $temppassword = $\_POST['password\_signin'];

    //search for username in database

    $select = $database->prepare("SELECT \* from users where users\_username=:username");

    $select->bindValue(':username', $tempusername);

    $select->execute();

    if($holduser = $select->fetch(PDO::FETCH\_ASSOC)) {  //if username exist

        if($temppassword == $holduser['users\_password']){  //if password is correct

            //creating cookies if "remember me" selected

            if(isset($\_POST['rememberme\_signin'])) {

                setcookie("username\_cookie", $\_POST['username\_signin'], strtotime("+1 day"));

                setcookie("password\_cookie", $\_POST['password\_signin'], strtotime("+1 day"));

            }

            else { //deleting cookies if not selected

                setcookie("username\_cookie", $\_POST['username\_signin'], strtotime("-1 day"));

                setcookie("password\_cookie", $\_POST['password\_signin'], strtotime("-1 day"));

            }

            //opening sessions

            $\_SESSION['id'] = $holduser['users\_id'];

            $\_SESSION['username'] = $holduser['users\_username'];

            $\_SESSION['usertype'] = $holduser['users\_usertype'];

            //checking usertype and directing to related page

            if($holduser['users\_usertype'] == "instructor")

            {

                header("Location:instructor\_page.php");

                exit;

            }

            else{

                header("Location:student\_page.php");

                exit;

            }

        }

        else{ // if password is incorrect

            header("Location:index.php?signedin=nopass");

            exit;

        }

    }

    else{ //if username does not exist in database

        header("Location:index.php?signedin=nouser");

        exit;

    }

}

//sign in process ends here

// Exam Creation starts here

if(isset($\_POST['btn\_createexam'])){

    $examname = $\_POST['nameofexamcreated'];

    $questionnumber = $\_POST['noofquestions'];

    $examcreatorid = $\_SESSION['id'];

    $create = $database->prepare("INSERT into exams set

        exams\_name=:exams\_name,

        exams\_idofinstructor=:exams\_idofinstructor,

        exams\_noofquestions=:exams\_noofquestions"

    );

    $controliscreated = $create->execute(array(

        'exams\_name' => $examname,

        'exams\_idofinstructor' => $examcreatorid,

        'exams\_noofquestions' => $questionnumber

    ));

    if($controliscreated){

        header("Location:question\_add.php?examname=$examname");

        exit;

    }

    else{

        header("Location:instructor\_page.php?created=no");

        exit;

    }

}

// Exam Creation ends here

// Question Add Process Starts Here

if(isset($\_POST['btn\_savequestion'])){

    $savequestion = $database->prepare("INSERT into questions set

        questions\_idofexam=:questions\_idofexam,

        questions\_content=:questions\_content,

        questions\_optiona=:questions\_optiona,

        questions\_optionb=:questions\_optionb,

        questions\_optionc=:questions\_optionc,

        questions\_optiond=:questions\_optiond,

        questions\_correctnaswer =:questions\_correctnaswer,

        questions\_point=:questions\_point"

    );

    $control = $savequestion->execute(array(

        'questions\_idofexam' => $\_POST['examid'],

        'questions\_content' => $\_POST['content'],

        'questions\_optiona' => $\_POST['optiona'],

        'questions\_optionb' => $\_POST['optionb'],

        'questions\_optionc' => $\_POST['optionc'],

        'questions\_optiond' => $\_POST['optiond'],

        'questions\_correctnaswer' => $\_POST['correctanswer'],

        'questions\_point' => $\_POST['point']

    ));

if($control){ //if saved

    $maxquestionno = $\_POST['questionno'];

    $countquestions = 0;

    $select = $database->prepare("SELECT \* from questions where questions\_idofexam=:idofexam");

    $select->bindValue(':idofexam', $\_POST['examid']);

    $select->execute();

    while ($holdquestion = $select->fetch(PDO::FETCH\_ASSOC)){

        $countquestions++;

    }

    if($countquestions < $maxquestionno){

        $examnametosend =$\_POST['examname'];

        header("Location:question\_add.php?examname=$examnametosend");

        exit;

    }

    else{

        header("Location:instructor\_page.php?examcreated=yes");

        exit;

    }

}

}

// Question Add Process Starts Here

// Log out process stars here

if(isset($\_POST['btn\_logout'])){

    session\_destroy();

    header("Location:index.php?logout=yes");

    exit;

}

// Log out process ends here

?>

**instructor\_page.php :**

<?php

session\_start();

include 'database\_connection.php';

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

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

    <!-- Bootstrap CSS -->

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">

    <title>Instructor Panel</title>

</head>

<body>

    <br>

    <!-- Buttons Area -->

    <div class="btn-group" role="group" aria-label="Basic example">

        <!-- Button for exam creation, button triggers modal -->

        <button type="button" class="btn btn-primary" data-toggle="modal" data-target="#exampleModal">

            Create a new exam

        </button>

        <!-- Modal for button above -->

        <div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">

            <div class="modal-dialog">

                <div class="modal-content">

                    <div class="modal-header">

                        <h5 class="modal-title" id="exampleModalLabel">Enter exam name</h5>

                        <button type="button" class="close" data-dismiss="modal" aria-label="Close">

                            <span aria-hidden="true">&times;</span>

                        </button>

                    </div>

                    <div class="modal-body">

                        <form action="process.php" method="POST">

                            <input type="text" name="nameofexamcreated" placeholder="Enter the exam name/title" autocomplete="off">

                            <input type="num" name="noofquestions" placeholder="Enter number of questions/title" autocomplete="off">

                        </div>

                        <div class="modal-footer">

                            <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

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

                        </form>

                    </div>

                </div>

            </div>

        </div>

        <!-- end of modal -->

        <!-- Exit Button for log out process -->

        <form action="process.php" method="POST">

            <button type="submit" class="btn btn-danger" name="btn\_logout">Log out</button>

        </form>

    </div>

    <!-- End Of Buttons Area -->

    <br><hr><br>

    <!-- Notifications and Warning Starts Here -->

    <!-- Notify if exam deleted -->

    <?php if($\_GET['examdeleted'] == "yes") { ?>

        <div class="alert alert-success">

            Exam has been deleted successfuly.

        </div>

    <?php } ?>

    <!-- Warning if exam not deleted -->

    <?php if($\_GET['examdeleted'] == "no") { ?>

        <div class="alert alert-danger">

            Something went wrong while deleting the exam!

        </div>

    <?php } ?>

    <!-- Warning if exam creation failed -->

    <?php if($\_GET['created'] == "no") { ?>

        <div class="alert alert-danger">

            Exam creation failed!

        </div>

    <?php } ?>

    <!-- Notification if exam is created -->

    <?php if($\_GET['examcreated']=="yes") { ?>

        <div class="alert alert-success">

            Exam is successfuly created !

        </div>

    <?php } ?>

    <!-- Notifications and Warning Starts Here -->

    <!-- Listing exams of instructor here -->

    <h4 align="center">Exams created by you</h4>

    <div class="container" align="center">

        <table style="width: 70%" border="2">

            <tr>

                <th>Exam ID</th>

                <th>Exam Name</th>

                <th>Questions</th>

                <!-- <th>Actions</th> -->

            </tr>

        <?php //getting exams from database

        $select = $database->prepare("SELECT \* from exams where exams\_idofinstructor=:id");

        $select->bindValue(':id', $\_SESSION['id']);

        $select->execute();

        while ($holdexam = $select->fetch(PDO::FETCH\_ASSOC)) {

            ?>

            <tr>

                <td><?php echo $holdexam['exams\_id'] ?></td>

                <td><?php echo $holdexam['exams\_name'] ?></td>

                <td><?php echo $holdexam['exams\_noofquestions'] ?></td>

                <!-- <td align="center">

                    <a href="delete\_exam.php?examtodeleteid=<?php echo $holdexam['exams\_id'] ?>"><button type="button" class="btn btn-danger">Delete</button></a>

                </td> -->

            </tr>

        <?php } ?>

    </table>

</div>

<!-- Optional JavaScript -->

<!-- jQuery first, then Popper.js, then Bootstrap JS -->

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>

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</body>

</html>

**question\_add.php :**

<?php

session\_start();

include 'database\_connection.php';

// hold created exam name

$tempexamname = $\_GET['examname'];

//Search created exam to get its id, so that questions will be related with this id

$select = $database->prepare("SELECT \* from exams where exams\_name=:examname");

$select->bindValue(':examname', $tempexamname);

$select->execute();

if($holdexam = $select->fetch(PDO::FETCH\_ASSOC)) {

    $idofexam = $holdexam['exams\_id'];

    $questionno = $holdexam['exams\_noofquestions'];

}

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

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

    <!-- Bootstrap CSS -->

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">

    <title>Create Question</title>

</head>

<body>

    <br>

    <!-- Questin add form starts here -->

    <form action="process.php" method="POST">

        <h3 align="center">Create a question to add into the exam</h3>

        <br><hr><br>

        <!-- content -->

        <div class="container" align="center">

            <div class="input-group">

                <div class="input-group-prepend">

                    <span class="input-group-text">Question :</span>

                </div>

                <textarea name="content" class="form-control" aria-label="With textarea"></textarea>

            </div>

            <br><hr><br>

            <!-- Option A -->

            <div class="input-group">

                <div class="input-group-prepend">

                    <span class="input-group-text">Option A :</span>

                </div>

                <textarea name="optiona" class="form-control" aria-label="With textarea"></textarea>

            </div>

            <br><hr><br>

            <!-- Option B -->

            <div class="input-group">

                <div class="input-group-prepend">

                    <span class="input-group-text">Option B :</span>

                </div>

                <textarea name="optionb" class="form-control" aria-label="With textarea"></textarea>

            </div>

            <br><hr><br>

            <!-- Option C -->

            <div class="input-group">

                <div class="input-group-prepend">

                    <span class="input-group-text">Option C :</span>

                </div>

                <textarea name="optionc" class="form-control" aria-label="With textarea"></textarea>

            </div>

            <br><hr><br>

            <!-- Option D -->

            <div class="input-group">

                <div class="input-group-prepend">

                    <span class="input-group-text">Option D :</span>

                </div>

                <textarea name="optiond" class="form-control" aria-label="With textarea"></textarea>

            </div>

            <br><hr><br>

            <!-- Correct Answer -->

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

                <div class="input-group-prepend">

                    <label class="input-group-text" for="inputGroupSelect01">Correct Option</label>

                </div>

                <select name="correctanswer" class="custom-select" id="inputGroupSelect01">

                    <option value="A" selected>A</option>

                    <option value="B">B</option>

                    <option value="C">C</option>

                    <option value="D">D</option>

                </select>

            </div>

            <br><hr><br>

            <!-- Point -->

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

                <div class="input-group-prepend">

                    <span class="input-group-text" id="basic-addon1">Point of Question</span>

                </div>

                <input type="number" name="point" class="form-control" placeholder="Enter point of question as numeric value" aria-label="Username" aria-describedby="basic-addon1">

            </div>

            <!-- Exam id will be send as hidden -->

            <input type="text" name="examid" hidden="ok" value="<?php echo $idofexam ?>">

            <!-- Question number will be send as hidden -->

            <input type="number" name="questionno" hidden="ok" value="<?php echo $questionno ?>">

            <!-- Question name will be send as hidden -->

            <input type="text" name="examname" hidden="ok" value="<?php echo $tempexamname ?>">

            <br><hr><br>

            <!-- Button for saving question -->

            <button type="submit" name="btn\_savequestion" class="btn btn-success">Save Question</button>

        </div> <!-- end of container -->

        <br><br>

    </form>

    <!-- Questin add form ends here -->

    <!-- Optional JavaScript -->

    <!-- jQuery first, then Popper.js, then Bootstrap JS -->

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</body>

</html>

**student\_page.php :**

<?php

session\_start();

include 'database\_connection.php';

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

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

    <!-- Bootstrap CSS -->

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">

    <title>Student Page</title>

</head>

<body>

    <br>

    <!-- Button for Log Out -->

    <form action="process.php" method="POST">

        <button type="submit" class="btn btn-danger" name="btn\_logout">Log out</button>

    </form>

    <br><hr>

    <!-- Notifications Starts Here -->

    <?php if($\_GET['gradegiven'] == "yes") { ?>

        <div class="alert alert-success">

            Your grade is : <?php echo $\_GET['grade'] ?>

        </div>

    <?php } ?>

    <!-- Notifications Ends Here -->

    <br>

    <!-- Listing Exam Informations -->

    <h4 align="center">List Of Exams</h4>

    <div class="container" align="center">

        <table style="width: 70%" border="2">

            <tr>

                <th>Exam ID</th>

                <th>Exam Name</th>

                <th>Questions</th>

                <th>Actions</th>

            </tr>

            <?php

            $listexams = $database->prepare("SELECT \* from exams");

            $listexams->execute();

            while($examsholder = $listexams->fetch(PDO::FETCH\_ASSOC)) { ?>

                <tr>

                    <td><?php echo $examsholder['exams\_id'] ?></td>

                    <td><?php echo $examsholder['exams\_name'] ?></td>

                    <td><?php echo $examsholder['exams\_noofquestions'] ?></td>

                    <td align="center">

                        <a href="examination.php?idofexamtotake=<?php echo $examsholder['exams\_id'] ?>"><button type="button" class="btn btn-primary">Take Exam</button></a>

                    </td>

                </tr>

            <?php } ?>

        </table>

    </div>

    <!-- Optional JavaScript -->

    <!-- jQuery first, then Popper.js, then Bootstrap JS -->

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</body>

</html>

**examination.php :**

<?php

session\_start();

include 'database\_connection.php';

?>

<!doctype html>

<html lang="en">

<head>

    <!-- Required meta tags -->

    <meta charset="utf-8">

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

    <!-- Bootstrap CSS -->

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">

    <title>Exam Page</title>

</head>

<body>

    <?php //getting exam from database

    $takingexamid = $\_GET['idofexamtotake'];

    $getexamname = $database->prepare("SELECT \* from exams where exams\_id=:examid");

    $getexamname->execute(array(

        'examid' => $takingexamid

    ));

    $holdexam = $getexamname->fetch(PDO::FETCH\_ASSOC);

    ?>

    <!-- Printing Exam Name First -->

    <br>

    <h3 align="center"><?php echo $holdexam['exams\_name'] ?></h3>

    <br><hr><br>

    <div class="container" align="center">

        <?php //getting questions

        $collect = $database->prepare("SELECT \* from questions where questions\_idofexam=:id");

        $collect->bindValue(':id', $\_GET['idofexamtotake']);

        $collect->execute();

        $qno = 0;

        ?>

        <form action="calculate\_grade.php" method="POST">

            <?php

            while ($questionholder = $collect->fetch(PDO::FETCH\_ASSOC)) { //printing questions

                $qno++;

                ?>

                <!-- Question content -->

                <div class="input-group">

                    <div class="input-group-prepend">

                        <span class="input-group-text">Question <?php echo $qno ?>:</span>

                    </div>

                    <textarea name="content<?php echo $qno ?>" class="form-control" aria-label="With textarea" readonly="" placeholder="<?php echo $questionholder['questions\_content'] ?>"></textarea>

                </div>

                <br>

                <!-- Option A -->

                <div class="input-group">

                    <div class="input-group-prepend">

                        <span class="input-group-text">A</span>

                    </div>

                    <textarea name="optiona<?php echo $qno ?>" class="form-control" aria-label="With textarea" readonly="" placeholder="<?php echo $questionholder['questions\_optiona'] ?>"></textarea>

                </div>

                <!-- Option B -->

                <div class="input-group">

                    <div class="input-group-prepend">

                        <span class="input-group-text">B</span>

                    </div>

                    <textarea name="optionb<?php echo $qno ?>" class="form-control" aria-label="With textarea" readonly="" placeholder="<?php echo $questionholder['questions\_optionb'] ?>"></textarea>

                </div>

                <!-- Option C -->

                <div class="input-group">

                    <div class="input-group-prepend">

                        <span class="input-group-text">C</span>

                    </div>

                    <textarea name="optionc<?php echo $qno ?>" class="form-control" aria-label="With textarea" readonly="" placeholder="<?php echo $questionholder['questions\_optionc'] ?>"></textarea>

                </div>

                <!-- Option D -->

                <div class="input-group">

                    <div class="input-group-prepend">

                        <span class="input-group-text">D</span>

                    </div>

                    <textarea name="optiond<?php echo $qno ?>" class="form-control" aria-label="With textarea" readonly="" placeholder="<?php echo $questionholder['questions\_optiond'] ?>"></textarea>

                </div>

                <br>

                <!-- Student Answer -->

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

                    <div class="input-group-prepend">

                        <label class="input-group-text" for="inputGroupSelect01">Choose Answer</label>

                    </div>

                    <select name="studentanswerto<?php echo $qno ?>" class="custom-select" id="inputGroupSelect01">

                        <option value="A" selected>A</option>

                        <option value="B">B</option>

                        <option value="C">C</option>

                        <option value="D">D</option>

                    </select>

                </div>

                <!-- Hidden Corect Answer -->

                <input type="text" name="correctanswerof<?php echo $qno ?>" hidden="ok" value="<?php echo $questionholder['questions\_correctnaswer'] ?>">

                <!-- Hidden Point of Question -->

                <input type="number" name="pointof<?php echo $qno ?>" hidden="ok" value="<?php echo $questionholder['questions\_point'] ?>">

                <br><hr><br>

            <?php } ?>

            <!-- End Of Questions -->

            <!-- Hidden Question Number -->

            <input type="number" name="numberofquestions" hidden="ok" value="<?php echo $holdexam['exams\_noofquestions'] ?>">

            <!-- Hidden Exam ID -->

            <input type="number" name="examidtosave" hidden="ok" value="<?php echo $\_GET['idofexamtotake'] ?>">

            <!-- Button for submiting exam -->

            <button type="submit" name="btn\_submitingexam" class="btn btn-success">Submit Exam</button>

            <br><br>

        </form>

    </div>

    <!-- Optional JavaScript -->

    <!-- jQuery first, then Popper.js, then Bootstrap JS -->

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</body>

</html>

**calculate\_grade.php :**

<?php

session\_start();

include 'database\_connection.php';

//if exam submitted

if(isset($\_POST['btn\_submitingexam'])){

    $qno = $\_POST['numberofquestions'];

    $counter = 1;

    $grade = 0;

    while($counter <= $qno){

        $givenanswer = $\_POST['studentanswerto'.$counter];

        $correctanswer = $\_POST['correctanswerof'.$counter];

        $point = $\_POST['pointof'.$counter];

        if($givenanswer == $correctanswer){

            $grade += $point;

        }

        $counter++;

    }

    $examid = $\_POST['examidtosave'];

    header("Location:student\_page.php?gradegiven=yes&grade=".$grade);

    exit;

}

?>