CS490 Project: Beta

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# Front-End Code

## Addq.php

<html>

<style>

.inline {

display: inline;

}

.link-button {

background: none;

border: none;

color: blue;

text-decoration: underline;

cursor: pointer;

font-size: 1em;

font-family: serif;

}

.link-button:focus {

outline: none;

}

.link-button:active {

color: red;

}

</style>

<head>

<title> Modify/Add Question </title>

</head>

<body>

<?php

//Obtain Question from Database

$target = "https://web.njit.edu/~jll25/CS490/switch.php";

$ch= curl\_init();

curl\_setopt($ch, CURLOPT\_URL, "$target");

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, http\_build\_query(array('identifier'=>'qb\_get\_question','questionid'=>$\_POST['questionid'])));

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

if ($return\_val == null) {

echo "<h1> Add New Question </h1>";

$purpose = "a\_testbank";

}

else{

echo "<h1> Modify Question </h1>";

$purpose = "e\_question";

}

//Begin Table

/\* Debug Code.

$qtext = "Question Text";

$testcases= array("Testcase 1", "Testcase 2", "Testcase 3");

$solutions = array("Solution 1", "Solution 2", "Solution 3");

$almagamation = array\_combine($testcases, $solutions);

$diff = "Easy";

$purpose = "a\_testbank";\*/

$question = json\_decode($return\_val, true)[0];

$qtext = $question['Question'];

$diff = $question['Difficulty'];

$soln = $question['Answer'];

if(sizeof($question['TestCase']) > 0){

$testcases = $question['TestCase'];

}

else{

$testcases = array("Testcase1", "Testcase2", "Testcase3", "Testcase4");

}

if (count($soln) < count($testcases)){

array\_fill($soln, count($soln) - count($testcases), "Solution");

}

echo '<form action="qblooper.php" method="post">';

foreach (array("Easy", "Medium", "Hard") as $rdiff){

echo '<input type="radio" name=difficulty value="' . $rdiff . '"';

if ($rdiff==$diff) { echo "checked";

}

echo '> ' . $rdiff;

}

echo "<br>";

echo 'Question Text: ';

echo '<input type="text" name="question" value="'. $qtext . '"><br> <br>';

$i = 1;

foreach ($testcases as $case){ // Solutions aren't supported by the DB yet.

echo 'Test Case '. $i .' : <input type="text" name="testcase[' . $i .']" value="'. $case . '">';

echo 'Solution '. $i .' :<input type="text" name="solution[' . $i . ']" value="'. $sol . '"><br>';

$i++;

}

if ($purpose == "e\_question"){

echo '<input type = "hidden" name="qid" value='. $\_POST['questionid']. '>';

}

echo '<input type="hidden" name="identifier" value="'. $purpose .'">';

echo '<button type="submit" class="link-button"> Submit </button>';

echo "</form>";

?>

<a href='qbank.php'> Cancel </a>

</body>

</html>

## Aelooper.php

<?php

// AELOOPER: Send users back to exam managment interface after adding an exam.

//Send data to the DB

$target = 'https://web.njit.edu/~jll25/CS490/switch.php';

$ch= curl\_init();

curl\_setopt($ch, CURLOPT\_URL, $target);

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, $\_POST);

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

//Thankfully, qbank doesn't require any post data, so we can ust use a header for this one.

header('Location: http://afsaccess.njit.edu/~db368/CS490\_git/CS490-Test-Website-Frontend/mexam.php');

?>

## Controller.php

<?php //Controller.php

// PHASE 1: AUTHENTICATION

if ($\_POST['phase'] == '1') {

$ch = curl\_init();

curl\_setopt($ch, CURLOPT\_URL, "https://web.njit.edu/~jll25/CS490/backend.php");

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, http\_build\_query(array('username' => $\_POST["username"], 'password' => $\_POST["password"])));

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

echo $return\_val;

}

// PHASE 2: REDIRECTION

else{

header("Location: https://web.njit.edu/~db368/CS490/instructor.html");

}

## Druswitch.php

<?php //Druswitch.php

//First of all, I'm not uploading the password/username to github. That's a bad idea. Instead lets load it from a secret config file.

if (!isset($\_POST['identifier'])) {echo "No identifier!";

}

//echo var\_dump($\_POST);

//echo "Is this thing on?";

$secretfilepath = "secret.ini";

$up = parse\_ini\_file($secretfilepath);

$username = $up['username'];

$password = $up['password'];

// Testing this is fun

$datab = new mysqli("sql1.njit.edu", $username, $password, $username);

if (mysqli\_connect\_errno()) {echo "Something went wrong";

}

//Lets hope we make it this far

switch($\_POST['identifier']){

case "aq\_exam":

$eid = $\_POST['eid'];

$qid = $\_POST['qid'];

$score = $\_POST['score'];

$add ="INSERT INTO ExQuestions (Exam\_id, Question\_id, Total\_points)

VALUES ('$eid', '$qid', '$score')";

sleep(1); //Give the DB some time to update

if (!$datab->query($add)) {

echo "FAILURE!";

}

}

?>

## Eexam.php

<html>

<head>

<title> Exam Question Add </title>

<style>

div.testbankquestions {

float: right;

overflow: auto;

width: 50%;

background-color: orange;

height:100%;

}

div.examquestions {

float: left;

overflow: auto;

width: 50%;

background-color: lightblue;

height:100%;

}

th, td{

border:1px solid;

padding: 8px;

}

tr:nth-child(even){

background-color:white;

padding: 16px;

}

th{

background-color: gray;

}

</style>

</head>

<body>

<div class="examquestions">

<h1> Exam Questions </h1>

<?php

if (!isset($\_POST['id'])) {

echo "No ID!??!";

exit;

}

else {$Eid = $\_POST["id"];

}

$target = "https://web.njit.edu/~jll25/CS490/switch.php";

$ch= curl\_init();

curl\_setopt($ch, CURLOPT\_URL, $target);

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, array('identifier'=>'e\_get\_questions', 'id' => $\_POST["id"]));

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

$questions = json\_decode($return\_val, true);

if ($questions == null) {

echo "No questions yet!";

}

else{

echo '<table style="width:100%">';

echo '<tr><th> Question </th> <th> Difficulty </th> <th> Score </th> <th> Update </th><th> Remove </th> </tr>';

foreach ($questions as $question){

echo '<form method="post" action="exlooper.php">';

echo '<input type="hidden" name="eid" value="'. $Eid . '">';

$qid = $question['Qid']; // This is the only variable used twice

echo '<tr>';

echo '<input type="hidden" name="qid" value="'. $cid . '">';

echo '<td>'. $question['Question'] . '</td>';

echo '<td> ' . $question['Difficulty'] . '</td>';

echo '<td> <input type="number" name="score" value="'. $question['Total\_points'] . '"></td>';

echo '<td> <button type="submit" name ="identifier" value="aq\_exam"> Update </button> </td>';

echo '<td> <button type="submit" name ="identifier" value="req\_exam"> Remove </button></td>';

echo '</form>';

echo '</tr>';

}

echo "</table>";

}

?>

</div>

<div class="testbankquestions">

<h1>Test Bank Questions</h1>

<?php

$Eid = $\_POST['id'];

//Obtain Question Bank

$target = "https://web.njit.edu/~jll25/CS490/switch.php";

$ch= curl\_init();

curl\_setopt($ch, CURLOPT\_URL, $target);

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, array('identifier'=>'v\_testbank'));

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

$questions = json\_decode($return\_val, true);

/\* Test Data

for ($i = 0; $i<$tas; $i++)

{

array\_push($examquestions, 'Question '. rand(1000, 9999));

array\_push($qbids, $i);

//if (rand(0,20) > 15){

if (false) {

array\_push($examids, $i);

}

array\_push($examids, $i);

array\_push($questionbank, "Question ". $i);

$numcases = rand(1, 5);

$cases = array();

for ($k=0; $k<$numcases; $k++){

array\_push($cases, 39);

}

array\_push($testcases, $cases);

array\_push($diffs, "Difficulty");

}

\*/

echo '<table style="width:100%">';

// FOR RELEASE: echo '<tr><th> Question </th> <th> Difficulty </th> <th> Testcases </th> <th> Add to Exam </th> </tr>';

echo '<tr><th> Question </th> <th> Difficulty </th> <th> Add to Exam </th> </tr>';

foreach ($questions as $question){

//if (in\_array($qbids[$i], $examids)) { //TODO:This question is already on the array, skip it

// continue;

//}

echo '<tr>';

echo '<form method="post" action="exlooper.php">';

echo '<input type="hidden" name="qid" value="'. $question['Qid'] . '">';

echo '<input type="hidden" name="eid" value="'. $Eid . '">';

echo '<input type="hidden" name="score" value="0">';

echo '<td>'. $question['Question'] . '</td>';

echo '<td> ' . $question['Difficulty'] . '</td>';

//echo '<td>'. count($testcases[$i]). '</td>';

echo '<td> <button type="submit" name ="identifier" value="aq\_exam"> Add to Exam </button> </td>';

echo '</form>';

echo '</tr>';

}

echo "</table>"

?>

</div>

</body>

</html>

## Exam Landing Page.php

<html>

<head>

<title> Exam Submitted</title>

</title>

<body>

<?php

/\*var\_dump($\_POST);

$exid=($\_POST['exid']);

//Send answers to the server

$target = 'https://web.njit.edu/~jll25/CS490/switch.php';

$ch= curl\_init();

curl\_setopt($ch, CURLOPT\_URL, $target);

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, $\_POST);

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

\*/

?>

<h2> The exam is now finished </h2>

<a href="vexams.php"> Click here to return to the exam dialog </a>

</body>

</html>

## Exlooper.php

<?php

// LOOPER: Sends out a request, then goes to target url.

$target = 'http://afsaccess2.njit.edu/~db368/CS490\_git/CS490-Test-Website-Frontend/Druswitch.php';

$ch= curl\_init();

curl\_setopt($ch, CURLOPT\_URL, $target);

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, $\_POST);

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

//Finally, we load the url that we wanted to redirect to.

//One little tweak to the post

$\_POST['id'] = $\_POST['eid'];

$target = 'http://afsaccess2.njit.edu/~db368/CS490\_git/CS490-Test-Website-Frontend/eexam.php';

$ch= curl\_init();

curl\_setopt($ch, CURLOPT\_URL, "$target");

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, $\_POST); // Should work

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$reload=curl\_exec($ch);

curl\_close($ch);

echo $reload;

?>

## Frontend.php

<?php //FRONTEND.PHP

/\* variables \*/

$studenturl="dummy";

$instructorurl = "https://web.njit.edu/~jll25/CS490/backend.php";

$unknownurl = "ui.html";

//PHASE 1: AUTHENTICATION

$ch = curl\_init();

curl\_setopt($ch, CURLOPT\_URL, "http://afsaccess2.njit.edu/~db368/CS490/controller.php");

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, http\_build\_query(array('username' => $\_POST["username"], 'password' => $\_POST["password"], 'phase' => '1')));

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

$jason = json\_decode($return\_val);

$role = $jason[0]->Role;

//PHASE 2: REDIRECTION

if ($role == "Student") {

header('Location: http://afsaccess2.njit.edu/~db368/CS490\_git/CS490-Test-Website-Frontend/student.html');

} else if ($role == "Instructor") {

header('Location: http://afsaccess2.njit.edu/~db368/CS490\_git/CS490-Test-Website-Frontend/instructor.html');

}else{

header('Location: http://afsaccess2.njit.edu/~db368/CS490\_git/CS490-Test-Website-Frontend/ui.html');

}

exit;

//echo $return\_val;

?>

## Instructor.html

<html>

<head>

<title> Instructor Landing Page </title>

</head>

<body>

<h2> INSTRUCTOR LANDING PAGE </h2>

<a class="click-me" href="mexam.php">Manage Exams</a><br>

<a class="click-me" href="qbank.php">Manage Question Bank </a><br>

<a class="click-me" href="ui2.php"> Logout </a> <br>

</body>

</html>

## Mexam.php

<html>

<style>

.inline {

display: inline;

}

.link-button {

background: none;

border: none;

color: black;

text-decoration: underline;

cursor: pointer;

font-size: 1em;

font-family: serif;

}

.link-button:focus {

outline: none;

}

.link-button:active {

color: red;

}

th, td{

border:1px solid;

padding: 8px;

text-align: center;

}

tr:nth-child(even){

background-color:lightgray;

padding: 16px;

}

</style>

<body>

<h1> Manage Exams </h1>

<div>

<?php

//Obtain Exams

$target = "https://web.njit.edu/~jll25/CS490/switch.php";

$ch= curl\_init();

curl\_setopt($ch, CURLOPT\_URL, "$target");

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, http\_build\_query(array('identifier'=>'v\_exams')));

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

if ($return\_val == null) {

echo "<h1> ERROR: NO RETURN VALUE </h1>";

exit;

}

$exams = json\_decode($return\_val, true);

//Build Table

/\* Test Code

$exams = array("Exam1", "Exam2", "Exam3");

$ids = array("39", "393", "3939");

$both = array\_combine($ids, $exams);

\*/

echo '<table width=100%>';

echo '<tr><th> EXAMS </th></tr>';

echo '<form action="eexam.php" method="post">';

echo '<input type="hidden" name="identifier" value="e\_get\_questions">';

foreach ($exams as $exam){

// Could probably wrap this up in a function eventually

$exid = "error"; $exname = "error";

if (isset($exam['Eid'])) { $exid = $exam['Eid'];

}

if (isset($exam['Name'])) { $exname = $exam['Name'];

}

echo '<tr>';

echo '<td> <button type="submit" class="link-button" name="id" value="' . $exid .'">'. $exname . '</button> </td>';

echo '</tr>';

}

echo '</form>';

echo '</table>';

?>

</div>

<div>

<h2> Add new exam </h2>

<form action="aelooper.php" method="post">

<input type="hidden" name = "identifier" value="a\_exam">

<input type="text" name="examname">

<input type="submit" value="Add Exam">

</form>

</div>

</body>

</html>

## Qbank.php

<html>

<style>

.inline {

display: inline;

}

.link-button {

background: none;

border: none;

color: black;

text-decoration: underline;

cursor: pointer;

font-size: 1em;

font-family: serif;

}

.link-button:focus {

outline: none;

}

.link-button:active {

color: red;

}

</style>

<head>

<title> Qbank </title>

</head>

<body>

<h1> Question Bank</h1>

<p> Click on the question to edit it!</p>

<div>

<table style ="width:100%">

<tr>

<th> Question</th>

<th> Difficulty </th>

</tr>

<?php

// Obtain Questions

$target = "https://web.njit.edu/~jll25/CS490/switch.php";

$ch= curl\_init();

curl\_setopt($ch, CURLOPT\_URL, "$target");

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, http\_build\_query(array('identifier'=>'v\_testbank')));

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

if ($return\_val == null) {

echo "<h1> ERROR: NO RETURN VALUE </h1>";

exit;

}

$questions = json\_decode($return\_val, true);

echo '<form method="post" action="addq.php" class="inline">';

echo '<input type="hidden" name="identifier" value="qb\_get\_question">';

//Begin Printing Table

foreach ($questions as $incoming){

$qid = "error"; $qtext = "error"; $qdiff = "error";

if (isset($incoming['Qid'])) { $qid = $incoming['Qid'];

}

if (isset($incoming['Question'])) { $qtext = $incoming['Question'];

}

if (isset($incoming["Difficulty"])) {$qdiff = $incoming['Difficulty'];

}

echo "<tr>";

echo '<td> <button type="submit" name="questionid" value="'. $qid .'" class="link-button"> '. $qtext. '</button></td>';

echo '<td>'.$qdiff.'</td>';

echo "</tr>";

}

?>

</form>

</table>

</div>

<div>

<a href="addq.php"> Add a new question </a>

</div>

</body>

</html>

## Qblooper.php

<?php

// QBLOOPER: Sends out a request, then goes to target url.

//Send data to the DB

$target = 'https://web.njit.edu/~jll25/CS490/switch.php';

$ch= curl\_init();

curl\_setopt($ch, CURLOPT\_URL, $target);

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, $\_POST);

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

//Thankfully, qbank doesn't require any post data, so we can ust use a header for this one.

header("Location: http://afsaccess2.njit.edu/~db368/CS490\_git/CS490-Test-Website-Frontend/qbank.php");

?>

## Setupexam.php

<?php

//Get the questions for the exam

$target = "https://web.njit.edu/~jll25/CS490/switch.php";

//$target = "http://afsaccess2.njit.edu/~db368/CS490\_git/CS490-Test-Website-Frontend/debug.php";

$ch= curl\_init();

curl\_setopt($ch, CURLOPT\_URL, $target);

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, http\_build\_query(array('identifier'=>'e\_get\_questions', 'id' => $\_POST["id"])));

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

//echo $return\_val;

if ($return\_val == null) {

echo "<h1> ERROR: NO RETURN VALUE </h2>";

}

//Get Qbank

$ch3= curl\_init();

curl\_setopt($ch3, CURLOPT\_URL, "$target");

curl\_setopt($ch3, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch3, CURLOPT\_RETURNTRANSFER, true);

curl\_setopt($ch3, CURLOPT\_POSTFIELDS, http\_build\_query(array('identifier'=>'v\_testbank')));

$qb\_return=curl\_exec($ch3);

curl\_close($ch3);

$uqarray = array(); //Final destination for question ids

$eqarray = json\_decode($return\_val, true); //Question Bank Array

$qbarray = json\_decode($qb\_return, true); //Exam Questions

/\*

echo "<h1> DUMPING QUESTION BANK </h1> <br>";

echo var\_dump($qbarray). '<br>';

echo "<h1> DUMPING EXAM QUESTIONS </h1> <br>";

echo var\_dump($eqarray). '<br>';

\*/

//So e\_get\_questions doesn't return id. That's really bad.

//We can get around that though by comparing the question text and difficulty with questions

//in the question bank

$usedids = array(); //Make a little sub array to handle duplicates

//echo "Sorting...<br>";

//echo "<h1> DUMPING ULTIMATE ARRAY </h1> <br>";

foreach ($eqarray as $eq){

$eqtext = $eq['Question'];

$eqdiff = $eq['Difficulty'];

foreach($qbarray as $qb){

$qbtext = $qb['Question'];

$qbid = $qb['Qid'];

if ($qbtext == $eqtext and !in\_array($qbid, $usedids)) { //Compare Question Text

array\_push($usedids, $qb['Qid']);

//$eq['id'] = $qb['Qid'];

//array\_push($uqarray, $eq);

break;

}

}

}

//echo var\_dump($uqarray);

$alarray = array();

$alarray['exid'] = $\_POST["id"];

$alarray['questions']=$usedids;

$alarray['currentquestion']='1';

$target = "http://afsaccess2.njit.edu/~db368/CS490\_git/CS490-Test-Website-Frontend/texam.php";

//$target = "http://afsaccess2.njit.edu/~db368/CS490\_git/CS490-Test-Website-Frontend/debug.php";

$ch2 = curl\_init();

curl\_setopt($ch2, CURLOPT\_URL, "$target");

curl\_setopt($ch2, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch2, CURLOPT\_POSTFIELDS, http\_build\_query($alarray));

curl\_setopt($ch2, CURLOPT\_RETURNTRANSFER, true);

$page = curl\_exec($ch2);

curl\_close($ch2);

echo $page;

?>

## Student.html

<html>

<head>

<title> Student Landing Page </title>

</head>

<body>

<h2> STUDENT LANDING PAGE </h2>

<a class="click-me" href="vexams.php">View Exams</a><br>

<a class="click-me" href="ui.php"> Logout </a> <br>

</body>

</html>

## Texam.php

<html>

<head>

<title> Taking Exam </title>

</head>

<body>

<?php

$questions = $\_POST['questions'];

$number = $\_POST['currentquestion'];

$exid = $\_POST['exid'];

//On first run answers will not be set

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

$answers = $\_POST['answers'];

}

else {

$answers = array();

}

$qid = $questions[$number];

//echo "<h1> Incoming POST </h1>";

//echo var\_dump($\_POST);

//echo "<h1> Incoming questions </h1>";

//echo var\_dump($questions);

//echo "<br> Current Question Number is ". $number. " and the id is ". $qid . "<br>";

//CURL to get the actual useful question information;

$target = "https://web.njit.edu/~jll25/CS490/switch.php";

$ch= curl\_init();

curl\_setopt($ch, CURLOPT\_URL, $target);

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, http\_build\_query(array('identifier'=>'qb\_get\_question', 'questionid' => $qid)));

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

//echo "<h1> RETURN FROM THE SERVER </h1> <br>";

$question=json\_decode($return\_val, true)[0];

var\_dump($question);

$qtext = $question["Question"];

//echo "<h1> CURRENT ANSWERS </h1><br>";

//echo var\_dump($answers);

echo "<h1> QUESTION ".$number." </h1>";

echo "<p>" . $qtext . "</p><br>";

//Now we get to do the fun work of posting it again

echo '<form method="post" action="texam.php">';

$i=0;

foreach($questions as $q){

echo '<input type=hidden name=questions['.$i.'] value="'.$questions[$i].'">';

echo '<input type=hidden name=answers['.$i.'] value="'.$answers[$i].'">';

$i=$i+1;

}

echo '<input type=textbox name=answers['.$number.'] value='. $answers[$number] .'><br>';

echo '<input type=hidden name=exid value="'.$exid.'">';

if ($number < count($questions)-1) {

echo '<button type=submit name=currentquestion value='.($number+1).'> Next Question </button>';

}

if ($number != 1) {

echo '<button type=submit name=currentquestion value='.($number-1).'> Previous Question </button>';

}

echo "</form>";

// Submit button stuff

echo '<form method="post" action="examlandingpage.php">';

$i=0;

foreach($questions as $q){

echo '<input type=hidden name=questions['.$i.'] value="'.$questions[$i].'">';

echo '<input type=hidden name=answers['.$i.'] value="'.$answers[$i].'">';

$i=$i+1;

}

echo '<input type=hidden name=exid value="'.$exid.'">';

echo '<button type=submit name=submit value=submit> Submit Answers </button>';

echo '</form>';

?>

</body>

## Vexams.php

<html>

<style>

.inline {

display: inline;

}

.link-button {

background: none;

border: none;

color: black;

text-decoration: underline;

cursor: pointer;

font-size: 1em;

font-family: serif;

}

.link-button:focus {

outline: none;

}

.link-button:active {

color: red;

}

th, td{

border:1px solid;

padding: 8px;

text-align: center;

}

th{

background-color: gray;

}

tr:nth-child(even){

background-color:lightgray;

padding: 16px;

}

</style>

<body>

<h1> View Exams </h1>

<p> Click on an exam to take it! </p>

<div>

<?php

//Obtain Exams

$target = "https://web.njit.edu/~jll25/CS490/switch.php";

$ch= curl\_init();

curl\_setopt($ch, CURLOPT\_URL, "$target");

curl\_setopt($ch, CURLOPT\_POST, 1); // Set it to post

curl\_setopt($ch, CURLOPT\_POSTFIELDS, http\_build\_query(array('identifier'=>'v\_exams')));

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$return\_val=curl\_exec($ch);

curl\_close($ch);

if ($return\_val == null) {

echo "<h1> ERROR: NO RETURN VALUE </h1>";

exit;

}

$exams = json\_decode($return\_val, true);

//Build Table

/\* Test Code

$exams = array("Exam1", "Exam2", "Exam3");

$ids = array("39", "393", "3939");

$both = array\_combine($ids, $exams);

\*/

echo '<table width=100%>';

echo '<tr><th> EXAMS </th></tr>';

echo '<form action="setupexam.php" method="post">';

echo '<input type="hidden" name="identifier" value="e\_get\_questions">';

foreach ($exams as $exam){

// Could probably wrap this up in a function eventually

$exid = "error"; $exname = "error";

if (isset($exam['Eid'])) { $exid = $exam['Eid'];

}

if (isset($exam['Name'])) { $exname = $exam['Name'];

}

echo '<tr>';

echo '<td> <button type="submit" class="link-button" name="id" value="' . $exid .'">'. $exname . '</button> </td>';

echo '</tr>';

}

echo '</form>';

echo '</table>';

?>

</div>

<div>

<h2> Add new exam </h2>

<form action="https://web.njit.edu/~jll25/CS490/switch.php" method="post">

<input type="hidden" name = "identifier" value="a\_exam">

<input type="text" name="examname">

<input type="submit" value="Add Exam">

</form>

</div>

</body>

</html>

# Back-End

## Switch.php

<?php

if(!isset($\_POST['identifier']))die('Error: No identifier');

$identifier = $\_POST['identifier'];

switch ($\_POST['identifier'])

{

//view test questions

case "v\_testbank":

$difficulty = $\_POST['difficulty'];

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

$conn = mysqli\_connect("sql1.njit.edu", "jll25", "EzzrnW0B0", "jll25");

if ($conn->connect\_error){

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

}

//getting the results from Questions if the post word is difficulty

$sql = "SELECT \* from Questions where Difficulty ='$difficulty'";

$Difficulty\_result = $conn->query($sql);

$json\_array = array();

if ($Difficulty\_result->num\_rows > 0) {

// output data of each row

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

$difficulty\_array[]=$row;

}

$difficulty\_encoded = json\_encode($difficulty\_array);

echo $difficulty\_encoded;

}

else {

//getting results using examid

$sql= "SELECT \* FROM Questions WHERE NOT EXISTS (select Questions.Qid, Questions.Question, Questions.Difficulty from ExQuestions left join Questions on Questions.Qid = ExQuestions.Question\_id where ExQuestions.Exam\_id = '$exam')";

//$sql = " select Questions.Qid, Questions.Question, Questions.Difficulty from ExQuestions left join Questions on Questions.Qid = ExQuestions.Question\_id where ExQuestions.Exam\_id = '$exam'";

$Examid\_result = $conn->query($sql);

$json\_array = array();

if ($Examid\_result->num\_rows > 0) {

// output data of each row

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

$Examid\_array[]=$row;

}

$Exam\_encoded = json\_encode($Examid\_array);

echo $Exam\_encoded;

}

else {

//if there is neither examid, or difficulty

$all = "select \* from Questions;";

$allqu = $conn->query($all);

$all\_array = array();

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

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

$all\_array[]=$row;

}

$allq = json\_encode($all\_array);

echo $allq;

}

}

}

break;

//this views exams.

case "v\_exams":

$conn = mysqli\_connect("sql1.njit.edu", "jll25", "EzzrnW0B0", "jll25");

if (mysqli\_connect\_errno())

{

echo "Failed to connect to MySQL: " . mysqli\_connect\_error();

}

$viewe = "Select \* from Exams;";

$Exameview = $conn->query($viewe);

$json\_array = array();

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

// output data of each row

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

$Examview\_array[]=$row;

}

$Examv\_encode = json\_encode($Examview\_array);

echo $Examv\_encode;

}

break;

//creates exams

case "a\_exam":

$conn = new mysqli("sql1.njit.edu", "jll25", "EzzrnW0B0", "jll25");

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

$add = "Insert into Exams(Name) values ('$ae');";

$addresult = $conn->query($add);

if($addresult)

{return 1;}

else {return 0;}

break;

//inserting to answer from students

case "answers":

$aqe= $\_POST['answers'];

$sid = $\_POST['studentid'];

$qid = $\_POST['questionid'];

$score = $\_POST['answer'];

$conn = new mysqli("sql1.njit.edu", "jll25", "EzzrnW0B0", "jll25");

$add ="INSERT INTO 'Answers'('Question\_id', 'Answer') VALUES ('$qid','$score') where Sid ='$sid'";

$addresult = $conn->query($add);

if($add)

{

return 1;}

else {return 0;}

break;

//Used to grab all questions from exam id for editing an exam

case "e\_get\_questions":

$eid = $\_POST['id'];

$conn = new mysqli("sql1.njit.edu", "jll25", "EzzrnW0B0", "jll25");

if (mysqli\_connect\_errno())

{

echo "Failed to connect to MySQL: " . mysqli\_connect\_error();

}

$vieweq = "select Questions.Question, Questions.Difficulty, ExQuestions.Total\_points from ExQuestions left join Questions on ExQuestions.Question\_id = Questions.Qid where ExQuestions.Exam\_id ='$eid'";

$Exameview = $conn->query($vieweq);

$json\_array = array();

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

// output data of each row

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

$Examview\_array[]=$row;

}

$Examv\_encode = json\_encode($Examview\_array);

echo $Examv\_encode;

}

else {return 0;}

break;

//Get Question from id (to edit)

case "qb\_get\_question":

$eq = $\_POST['qb\_get\_question'];

$qid = $\_POST['questionid'];

$conn = new mysqli("sql1.njit.edu", "jll25", "EzzrnW0B0", "jll25");

if (mysqli\_connect\_errno())

{

echo "Failed to connect to MySQL: " . mysqli\_connect\_error();

}

$viewe = "select Questions.Question, TC.TestCase, Questions.Difficulty from Questions left join TC on Questions.Qid= TC.Qid where Questions.Qid ='$qid'";

$Exameview = $conn->query($viewe);

$json\_array = array();

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

// output data of each row

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

$Examview\_array[]=$row;

}

$Examv\_encode = json\_encode($Examview\_array);

echo $Examv\_encode;

}

break;

//Used to grab all questions from exam id for editing an exam

case "e\_get\_question":

$qid = $\_POST['question\_id'];

$eid = $\_POST['eid'];

$conn = new mysqli("sql1.njit.edu", "jll25", "EzzrnW0B0", "jll25");

if (mysqli\_connect\_errno())

{

echo "Failed to connect to MySQL: " . mysqli\_connect\_error();

}

$viewe = "select Questions.Question, Questions.Difficulty, ExQuestions.Total\_points from ExQuestions left join Questions on ExQuestions.Question\_id = Questions.Qid where ExQuestions.Exam\_id = '$eid'and ExQuestions.Question\_id ='$qid'";

$Exameview = $conn->query($viewe);

$json\_array = array();

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

// output data of each row

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

$Examview\_array[]=$row;

}

$Examv\_encode = json\_encode($Examview\_array);

echo $Examv\_encode;

}

else{return 0;}

break;

//edit question

case "e\_question":

$qid = $\_POST['qid'];

$question = $\_POST['question'];

$difficulty = $\_POST['difficulty'];

$testcase = $\_POST['testcases'];

$answer = $\_POST['solution'];

$score = $\_POST['score'];

$conn = new mysqli("sql1.njit.edu", "jll25", "EzzrnW0B0", "jll25");

if (mysqli\_connect\_errno())

{

echo "Failed to connect to MySQL: " . mysqli\_connect\_error();

}

/\*

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

$update = "UPDATE ExQuestions SET Total\_Points= '$score' WHERE Question\_id = '$qid'";

}

\*/

$updatq = "UPDATE Questions SET Question = '$question' where Qid ='$qid'";

$updateq = $conn->query($updatq);

$updatescore = "UPDATE ExQuestions SET Total\_points = '$score' where Question\_id ='$qid'";

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

$updatetc = "UPDATE TC SET TestCase = '$testcases' where Question\_id ='$qid'";

$updateq = $conn->query($updatq);

$updatetc = "UPDATE TC SET TestCase = '$answer' where Question\_id ='$qid'";

$updateq = $conn->query($updatq);

$update = "UPDATE Questions SET Question='$question','Difficulty'='$difficulty' WHERE Qid = '$qid'";

$addresult = $conn->query($update);

if($addresult)

{

if(!isset($\_POST['testcases'])){ return 1;}

else {

if(!isset($\_POST['solutions'])){return 1;}

else{

$update2 = "UPDATE 'TC' SET TestCase= '$testcases', Answer ='$answer' WHERE Qid = '$qid'";

$updateresult = $conn->query($update2);

if($updateresult)

{return 1;}

else{ $update2 = "UPDATE 'TC' SET 'Case'='$testcases'WHERE Qid = '$qid'";

$updateresult = $conn->query($update2);

if($updateresult)

{return 1;}

else{return 0;}

}

}

}

}

break;

//delete

case "req\_exam":

;

$eid = $\_POST['eid'];

$qid = $\_POST['qid'];

$conn = new mysqli("sql1.njit.edu", "jll25", "EzzrnW0B0", "jll25");

$delete ="Delete from ExQuestions where Exam\_id = '$eid' and Question\_id ='$qid'";

$deleteresult = $conn->query($delete);

if($deleteresult)

{

return 1;}

else {return 0;}

break;

//add question to test bank

case "a\_testbank":

$ate = $\_POST['a\_testbank'];

$question = $\_POST['question'];

$difficulty = $\_POST['difficulty'];

$case = $\_POST['testcases'];

$solution = $\_POST['solution'];

$conn = new mysqli("sql1.njit.edu", "jll25", "EzzrnW0B0", "jll25");

$add= "Insert into Questions(Question, Difficulty) values ('$question', '$difficulty');";

/\*

if(is\_array($case)){

foreach ($case as $row) {

$case = mysql\_real\_escape\_string($case[$row][Testcase 1]);

$case = mysql\_real\_escape\_string($case[$row][1]);

$case3 = mysql\_real\_escape\_string($case[$row][2]);

$case4 = mysql\_real\_escape\_string($case[$row][3]);

$add2 = "INSERT INTO TC(TestCase) VALUES ('$case')";

mysqli\_query($conn, $add2);

}

}

if(is\_array($solution)){

foreach ($solution as $row) {

$solution1 = mysql\_real\_escape\_string($case[$row][0]);

$solution2= mysql\_real\_escape\_string($case[$row][1]);

$solution3 = mysql\_real\_escape\_string($case[$row][2]);

$solution4 = mysql\_real\_escape\_string($case[$row][3]);

$add3 = "INSERT INTO TC(Answer) VALUES ('$solution')";

mysqli\_query($conn, $add3);

}

}\*/

$addresult = $conn->query($add);

if($addresult)

{$addresult1 = $conn->query($add2);

if($addresult1){

return 1;}

else {return 0;}

}

else {return 0;}

break;

//add question to exam

case "aq\_exam":

$aqe= $\_POST['aq\_exam'];

$eid = $\_POST['eid'];

$qid = $\_POST['qid'];

$score = $\_POST['score'];

$conn = new mysqli("sql1.njit.edu", "jll25", "EzzrnW0B0", "jll25");

$add ="INSERT INTO 'ExQuestions'('Exam\_id', 'Question\_id', 'Total\_points') VALUES ('$eid','$qid','$score')";

$addresult = $conn->query($add);

if($add)

{return 1;

}

else {return 0;}

default:

header('Location: https://web.njit.edu/~jll25/CS490/student.html');

}

?>