**Lab Practicum 2**

**Helios Link**

<https://helios.vse.gmu.edu/~bali7/IT207/LABP2/labp2.php>

<https://helios.vse.gmu.edu/~bali7/IT207/LABP2/quiz.php>

<https://helios.vse.gmu.edu/~bali7/IT207/LABP2/questions.txt>

<https://helios.vse.gmu.edu/~bali7/IT207/LABP2/answers.txt>

<https://helios.vse.gmu.edu/~bali7/IT207/css/labp2style.css>

**labp2.php**

<!DOCTYPE html>

<!-- Created by Basil Ali on 07/25/2023 for IT-207 / Practicum 2 -->

<html xmlns="http://www.w3.org/1999/xhtml" lang="en">

<head>

<meta charset="utf-8">

<title>Practicum 2</title>

<link rel="stylesheet" href="/~bali7/IT207/css/labp2style.css" type="text/css">

<link rel="icon" type="image/x-icon" href="/~bali7/IT207/images/favicon.ico">

</head>

<body>

<div class="row">

<div class="side">

<!-- Adds menu include script -->

<?php include ('../menu.php') ?>

</div>

<div class="main">

<div class="maintwo">

<div>

<div class="box-1">

<!-- Adds course include script -->

<?php include ('../course.php') ?>

</div>

<div class="box-4">

<!-- Adds name information include script -->

<?php include ('../name.php') ?>

</div>

</div>

</div>

<div class="mainthree">

<div>

<!-- Start of dynamic page content -->

<?php

//When page first loads, it will default to the TextFileVersion first

$submitSection = 0;

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

$submitSection = 1;

}

include ('quiz.php');

?>

<!-- End of dynamic page content -->

</div>

</div>

<div class="mainfooter">

<div>

<!-- Adds footer script -->

<?php include ('../footer.php') ?>

</div>

</div>

</div>

</div>

</body>

</html>

**quiz.php**

<form action="labp2.php" method="post">

<h1>Online Quiz</h1>

<?php

$file = fopen("questions.txt", "r+");

$questionsArray = array();

$count = 0;

do{

$questionsArray[$count] = fgets($file);

$count++;

}while (!feof($file));

fclose($file);

$questionsMultiArray = array();

$maCount = 0;

for ($x = 0; $x < $count; $x++){

$questionsParse = explode("/", $questionsArray[$x]);

if (str\_word\_count($questionsParse[0]) > 0 && str\_word\_count($questionsParse[1]) > 0 && str\_word\_count($questionsParse[2]) > 0 && str\_word\_count($questionsParse[3]) > 0 && str\_word\_count($questionsParse[4]) > 0){

$record = array('question' => $questionsParse[0], 'a1' => $questionsParse[1], 'a2' => $questionsParse[2], 'a3' => $questionsParse[3], 'a4' => $questionsParse[4]);

array\_push($questionsMultiArray, $record);

$maCount++;

}

}

for ($x = 0; $x < $maCount; $x++){

echo '<p>'.$questionsMultiArray[$x]['question'].'</p>

<input type="radio" id="q'.($x+1).'" name="q'.($x+1).'" value="'.$questionsMultiArray[$x]['a1'].'">'.$questionsMultiArray[$x]['a1'].'<br>

<input type="radio" id="q'.($x+1).'" name="q'.($x+1).'" value="'.$questionsMultiArray[$x]['a2'].'">'.$questionsMultiArray[$x]['a2'].'<br>

<input type="radio" id="q'.($x+1).'" name="q'.($x+1).'" value="'.$questionsMultiArray[$x]['a3'].'">'.$questionsMultiArray[$x]['a3'].'<br>

<input type="radio" id="q'.($x+1).'" name="q'.($x+1).'" value="'.$questionsMultiArray[$x]['a4'].'">'.$questionsMultiArray[$x]['a4'].'<br>

<br><br>';

}

if ($submitSection == 0){

echo '<input type="submit" id="submit" name="submit" value="Submit Quiz">';

}

if ($submitSection == 1){

$file1 = fopen("answers.txt", "r+");

$answersCheck = array();

$count1 = 0;

do{

$answersCheck[$count1] = fgets($file1);

$count1++;

}while (!feof($file1));

fclose($file1);

$answers = array();

$maCount1 = 0;

for ($x = 0; $x < $count1; $x++){

if (str\_word\_count($answersCheck[$x]) > 0){

$answers[$maCount1] = $answersCheck[$x];

$maCount1++;

}

}

$question1 = $\_POST['q1'];

$question2 = $\_POST['q2'];

$question3 = $\_POST['q3'];

$answer1 = preg\_replace('/\s+/', '', $answers[0]);

$answer2 = preg\_replace('/\s+/', '', $answers[1]);

$answer3 = preg\_replace('/\s+/', '', $answers[2]);

$numQuestions = 3;

$numCorrectAnswers = 0;

if (strcmp($question1, $answer1) == 0){

$numCorrectAnswers++;

}

if (strcmp($question2, $answer2) == 0){

$numCorrectAnswers++;

}

if (strcmp($question3, $answer3) == 0){

$numCorrectAnswers++;

}

$score = $numCorrectAnswers/$numQuestions;

$finalScore = ceil($score \* 100);

if ($finalScore >= 80){

echo '<p id="green">You scored a '.$finalScore.'% on the quiz.</p>';

}

elseif ($finalScore >= 60 && $finalScore < 80){

echo '<p id="yellow">You scored a '.$finalScore.'% on the quiz.</p>';

}

elseif ($finalScore >= 50 && $finalScore < 40){

echo '<p id="red">You scored a '.$finalScore.'% on the quiz.</p>';

}

else{

echo '<p id="fail">You scored a '.$finalScore.'% on the quiz.</p>';

}

echo '<input type="submit" id="back" name="back" value="Retry Quiz"">';

}

?>

</form>

**labp2style.css**

/\* Created by Basil Ali on 07/09/2023 for IT-207 / Lab 4 \*/

\* {

box-sizing: border-box;

}

body {

font-family: Arial;

margin: 0;

}

.row {

display: flex;

flex-wrap: wrap;

margin: 1%;

}

.side {

flex: 10%;

background-color: #f1f1f1;

padding: 20px;

border-width: 5px;

border-color: black;

border-style: solid;

}

.main {

flex: 80%;

border-color: black;

border-width: 5px;

border-top-style: solid;

border-left-style: hidden;

border-right-style: solid;

border-bottom-style: solid;

}

.maintwo{

border-color: black;

border-width: 5px;

border-bottom-style: solid;

}

.maintwo > div{

display: flex;

flex-wrap: wrap;

padding: 10px;

}

.mainthree{

border-color: black;

}

.mainthree > div {

display: flex;

flex-wrap: wrap;

padding: 10px;

}

.mainfooter{

border-color: black;

border-bottom-style: hidden;

border-left-style: hidden;

border-right-style: hidden;

border-top-style: solid;

border-width: 5px;

}

.mainfooter > div{

padding: 5px;

text-align: center;

}

.box-1{

border-style: solid;

border-width: 1px;

border-color: black;

flex:1;

}

.box-5{

border-style: solid;

border-width: 1px;

border-color: black;

flex:1;

}

div.box-1 > \* {

text-align: center;

}

.box-2{

border-top-style: solid;

border-left-style: hidden;

border-right-style: hidden;

border-bottom-style: hidden;

border-width: 1px;

border-color: black;

flex:1;

}

.box-2 > h2 {

text-align: center;

}

.box-2 > h3, .box-2 > li {

padding-left: 25px;

}

.box-2 > h3 {

text-decoration-line: underline;

}

.box-2 > li {

text-indent: 5%;

}

.box-3{

border-top-style: solid;

border-left-style: hidden;

border-right-style: solid;

border-bottom-style: solid;

border-width: 1px;

border-color: black;

flex:1;

}

.box-3 > h2 {

text-align: center;

}

.box-3 > p {

padding: 10px;

}

.box-4{

border-top-style: solid;

border-left-style: hidden;

border-right-style: solid;

border-bottom-style: solid;

border-width: 1px;

border-color: black;

flex:1;

}

div.box-4 > \* {

text-align: center;

}

.h4{

text-align: center;

}

.h4 > li {

text-align: center;

}

form > h1 {

text-align: center;

text-shadow: 2px 2px grey;

}

form > p#green{

color: green;

background-color: #f1f1f1;

text-align: center;

}

form > p#yellow{

color: yellow;

background-color: black;

text-align: center;

}

form > p#red{

color: red;

background-color: #f1f1f1;

text-align: center;

}

form > p#fail{

background-color: #f1f1f1;

text-align: center;

}

/\* Responsive layout - when the screen is less than 700px wide, make the two columns stack on top of each other instead of next to each other \*/

@media screen and (max-width: 700px) {

.row{

flex-direction: column;

}

}

Additional Notes:

N/A

Screenshots:

A screenshot of a quiz

Description automatically generated

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Description automatically generated