

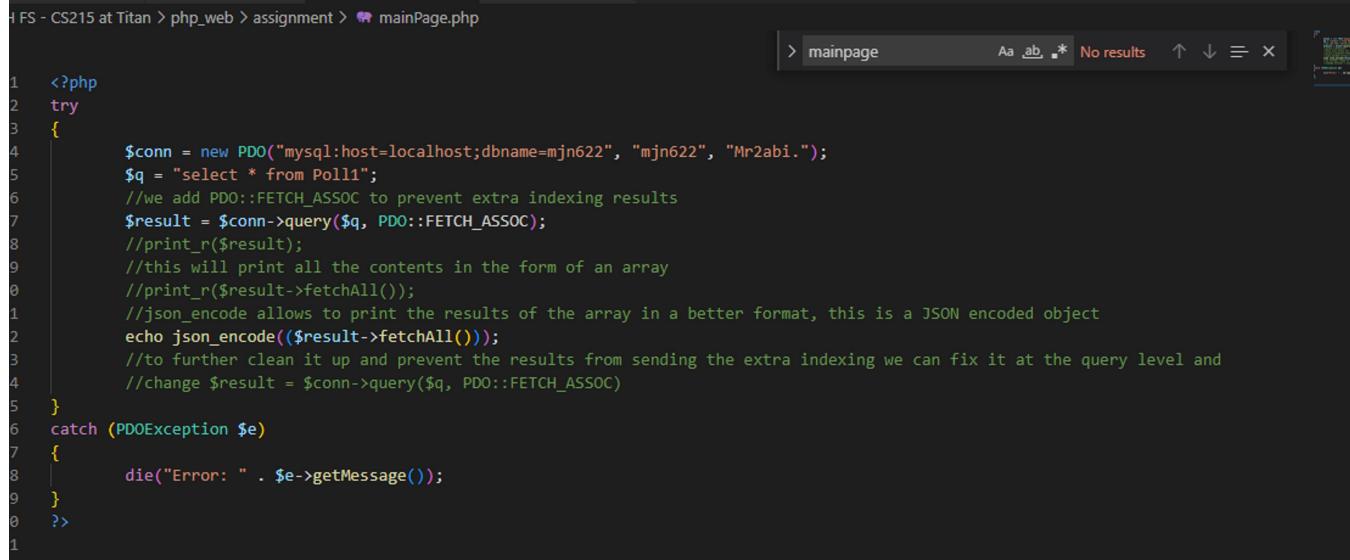
Assignment 6

Wednesday, August 17, 2022 10:33 PM

The changes are only made to the following files:

mainPage.php
mainPage.html
votePoll.php
votePoll.html

The **mainPage.php** is responsible for gathering all the items from the Poll1 table. It contains the poll questions, poll answers and the poll votes numbers.



A screenshot of a code editor window titled "FS - CS215 at Titan > php_web > assignment > mainPage.php". The editor shows PHP code for connecting to a MySQL database and querying the Poll1 table. The code uses PDO and json_encode to handle the results. The status bar at the top right shows "mainpage", "Aa ab,*", "No results", and navigation icons.

```
1 <?php
2 try
3 {
4     $conn = new PDO("mysql:host=localhost;dbname=mjn622", "mjn622", "Mr2abi.");
5     $q = "select * from Poll1";
6     //we add PDO::FETCH_ASSOC to prevent extra indexing results
7     $result = $conn->query($q, PDO::FETCH_ASSOC);
8     //print_r($result);
9     //this will print all the contents in the form of an array
10    //print_r($result->fetchAll());
11    //json_encode allows to print the results of the array in a better format, this is a JSON encoded object
12    echo json_encode(($result->fetchAll()));
13    //to further clean it up and prevent the results from sending the extra indexing we can fix it at the query level and
14    //change $result = $conn->query($q, PDO::FETCH_ASSOC)
15 }
16 catch (PDOException $e)
17 {
18     die("Error: " . $e->getMessage());
19 }
20 ?>
21
```

We use PDO::FETCH_ASSOC to prevent extra indexing, and json_encode to have the results in a clean array to be passed on to the javascript function to display in the html file.

The **mainPage.html** contains all the javascript functions. All the html tags were redone to accommodate for the items to be passed on from SQL to html.

```
let decodedText = JSON.parse(this.responseText);
```

I used the JSON.parse to gather all the sql table information in the form of an array.

```

function yourFunction(){
    //function defined here
    var xmlhttp = new XMLHttpRequest();
    xmlhttp.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {
            //document.getElementById("txtHint").innerHTML = this.responseText;
            //we use JSON.parse to clean up the
            let decodedText = JSON.parse(this.responseText);
            //console.log(this.responseText);
            console.log(decodedText);
            //we get the length of the returned array from SQL as the highest number will be the latest que
        }
    }

    let length = decodedText.length;
    document.getElementById("q1").innerHTML = decodedText[length-1].content_Question;
    document.getElementById("user1").innerHTML = decodedText[length-1].Username;
    document.getElementById("q1a1").innerHTML = decodedText[length-1].Choice_1;
    document.getElementById("q1a2").innerHTML = decodedText[length-1].Choice_2;
    document.getElementById("q1a3").innerHTML = decodedText[length-1].Choice_3;
    document.getElementById("q1a4").innerHTML = decodedText[length-1].Choice_4;
    document.getElementById("q1a5").innerHTML = decodedText[length-1].Choice_5;
    //the chunk above will show the latest poll with the highest id number as the first poll
}

```

We then use getElementById to pass on the appropriate information to the right HTML tags.

We use length to determine the length of the array or the entries in the SQL table and display the largest number entry first. This is because the way the items are stored in the SQL table. We have a incrementing integer in the sql table as the primary key so the largest number is the latest entry.

We then extract the username, question and the choices from the SQL table to show on HTML.

```

        document.getElementById("q5a1").innerHTML = decodedText[length-5].Choice_1;
        document.getElementById("q5a2").innerHTML = decodedText[length-5].Choice_2;
        document.getElementById("q5a3").innerHTML = decodedText[length-5].Choice_3;
        document.getElementById("q5a4").innerHTML = decodedText[length-5].Choice_4;
        document.getElementById("q5a5").innerHTML = decodedText[length-5].Choice_5;
    }

    xmlhttp.open("GET","mainPage.php",true);
    xmlhttp.send();
    //recalls the function after every, we set an interval of 90,000ms to make it 90 seconds
    setTimeout(yourFunction, 90000);
}
//recalls the function
yourFunction();

</script>

<link rel="stylesheet" href="header.css">
<body onload="yourFunction()">
    <div id="header">
        
        <h1>SnowSurvey</h1>
        <h2>Your local polling site</h2>
        <br><br>
    </div>

```

We then use the `setTimeout` function to re-run the `javascript` function every 90 seconds. The body tag contains `onload="yourfunction"` which will run the function as soon as the page loads.

The `VotePoll.html` file has three main javascript functions:

```
function yourFunction(){
```

This function just collects the information from the Poll1 table and broadcasts it here. It only accesses the mainPage.php file.

```
//console.log(decodedText);
//console.log(decodedText);
//we get the length of the returned array from SQL as the highest number will be the latest question

let length = decodedText.length;
post_id = length;
document.getElementById("q1").innerHTML = decodedText[length-1].content_Question;
document.getElementById("user1").innerHTML = decodedText[length-1].Username;
document.getElementById("q1a1").innerHTML = decodedText[length-1].Choice_1;
document.getElementById("q1a2").innerHTML = decodedText[length-1].Choice_2;
document.getElementById("q1a3").innerHTML = decodedText[length-1].Choice_3;
document.getElementById("q1a4").innerHTML = decodedText[length-1].Choice_4;
document.getElementById("q1a5").innerHTML = decodedText[length-1].Choice_5;

//get the total number of votes
let total = decodedText[length-1].Choice_5_stat+
decodedText[length-1].Choice_1_stat+
decodedText[length-1].Choice_2_stat+
decodedText[length-1].Choice_3_stat+
decodedText[length-1].Choice_4_stat;

document.getElementById("q1s1").innerHTML = ((decodedText[length-1].Choice_1_stat/total)*100).toFixed(2)+"%";
document.getElementById("halfBar1").style.width = ((decodedText[length-1].Choice_1_stat/total)*100).toFixed(2)+"%";
```

Here we gather total number of votes and divide it by the vote 1 to show the values of vote 1. We also pass the vote percentage as width styling to the style bar which will change how much of the bar is full based on the number of votes.

```
function voteFunc(){
```

This function collects the user radio button vote preference input and triggers the phpVote function
Here we also disable the button after it has been clicked once and the text changes to "Vote casted"

```
function phpVote(voteNumber){
```

This function takes in the vote number which will be 1,2,3,4 or 5 and will add a score to the appropriate vote option,

It also uses a global variable post_id which is basically the length of the array and it determines the primary key of the latest post

This function also broadcasts the .php link and passes 2 variables with it to update the sql table in votePoll.php

```

function voteFunc(){
    let voteNumber = 0;
    var ele = document.getElementsByName('option');
    for(i = 0; i < ele.length; i++) {
        if(ele[i].checked)
            //console.log(ele[i].value);
            voteNumber = ele[i].value;
            //goes through all the votes and grabs an integer value either 1,2,3,4 or 5 depending on what is checked
    }
    if (voteNumber != 0)
    {
        voteNumber = parseInt(voteNumber);
        phpVote(voteNumber);
        document.getElementById('myButton').disabled="true";
        document.getElementById("myButton").innerHTML="Vote Casted";
    }
}

function phpVote(voteNumber){

    var xmlhttp = new XMLHttpRequest();
    xmlhttp.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {

        }

    };
    console.log(voteNumber);
    console.log(post_id);
    xmlhttp.open("GET", "votePoll.php?number="+voteNumber+"&post="+post_id,true);
    xmlhttp.send();
    yourFunction();
}

<script>
<link rel="stylesheet" href="header.css">

```

The **votePoll.php** file gets the post_id and the score number and passes it on to SQL. It determines based on the number which vote to allocate the score to.

```
| > mainpage Aa ab * No results ↑ ↓ ≡ ×
```

```
1  <?php
2  try
3  {
4      //from the javascript function we receive the number which determines which poll gets the vote, and post number
5      $number = ($_GET['number']);
6      $post = ($_GET['post']);
7
8      $conn = new PDO("mysql:host=localhost;dbname=mjn622", "mjn622", "Mr2abi.");
9
10
11     //if the vote belongs to question 1 allocate it likewise
12     if ($number == "1") {
13         $sql="update Poll1 set Choice_1_stat = Choice_1_stat + 1 where post_id= '".$post."'";
14         $result = $conn->query($sql, PDO::FETCH_ASSOC);
15     }
16     if ($number == "2") {
17         $sql="update Poll1 set Choice_2_stat = Choice_2_stat + 1 where post_id= '".$post."'";
18         $result = $conn->query($sql, PDO::FETCH_ASSOC);
19     }
20     if ($number == "3") {
21         $sql="update Poll1 set Choice_3_stat = Choice_3_stat + 1 where post_id= '".$post."'";
22         $result = $conn->query($sql, PDO::FETCH_ASSOC);
23     }
24     if ($number == "4") {
25         $sql="update Poll1 set Choice_4_stat = Choice_4_stat + 1 where post_id= '".$post."'";
26         $result = $conn->query($sql, PDO::FETCH_ASSOC);
27     }
28     if ($number == "5") {
29         $sql="update Poll1 set Choice_5_stat = Choice_5_stat + 1 where post_id= '".$post."'";
30         $result = $conn->query($sql, PDO::FETCH_ASSOC);
31     }
32 }
33
34
35
36 catch (PDOException $e)
```