Submission Worksheet

CLICK TO GRADE

https://learn.ethereallab.app/assignment/IT202-007-F2024/generic-module-5-multi-dimension-php-problems/grade/db624

Course: IT202-007-F2024
Assigment: [Generic] Module 5 Multi-Dimension PHP Problems
Student: Datha V. (db624)

Submissions:

Submission Selection

1 Submission [submitted] 10/21/2024 10:29:52 PM

Instructions

COLLAPSE

Overview video: https://youtu.be/lp568G93Noo

Guide:

1. Make sure you're in the dev branch locally and `git pull origin dev` any pending changes.
2. Make a new branch per the recommended branch name below (`git checkout -b ...`).
3. Grab the template code from https://gist.github.com/MattToegel/f7b0489fb0d8cee615d6626056ac5de2
4. Create individual PHP files for each problem and save the files inside your `public_html` folder in a subfolder of your choice.
5. Move the unedited template files to GitHub.
    1. `git add .`
    2. `git commit -m "adding template files"`
    3. `git push origin branch_name` (see below)
    4. Create and open a pull request from the homework branch to main (leave it open until later steps).
6. Note: As you work, it's recommended to add/commit at least after each solution is done (i.e., 3+ times in this case).
    1. Make sure the files are saved before doing this.
7. Fill in the items in the worksheet below (save as often as necessary).
8. Once finished, export the worksheet.
9. Add the output file to any location of your choice in your repository folder (i.e., a `Module5` folder).
10. Check that git sees it via `git status`.
11. If everything is good, continue to submit.

1. Track the file(s) via `git add`.
2. Commit the changes via `git commit` (don't forget the commit message).
3. Push the changes to GitHub via `git push` (don't forget to refer to the proper branch).
4. Create a pull request from the homework related branch to main (i.e., dev <- "homework branch").
5. Open and complete the merge of the pull request (it should turn purple).
6. Locally checkout dev and pull the latest changes (to prepare for future work).

12. Take the same output file and upload it to Canvas.

Branch name: M5-MD-PHP-Problems

Group

100%

Group: Problem 1
Tasks: 1
Points: 3

COLLAPSE

Task

100%

Group: Problem 1
Task #1: Problem 1 Evidence
Weight: ~100%
Points: ~3.00

COLLAPSE

Details:
Only make edits where the template code mentions.

Solution should add logic to create a new array with only name, color, and region (subset of the original data)

Columns: 1

Sub-Task

100%

Group: Problem 1
Task #1: Problem 1 Evidence
Sub Task #1: Show the output from heroku dev (url must be visible)

Task Screenshots

Gallery Style: 2 Columns

4 2 1

Screenshot of output for problem 1

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task URLs

URL #1

https://it202-db624-prod-a236ea831ca5.herokuapp.com/M5-PHP-HW/problem1.php

URL

https://it202-db624-prod-a236ea831ca5.heroku

Sub-Task

100%

Group: Problem 1

Task #1: Problem 1 Evidence

Sub Task #2: Show the code solution (ucid/date as comment must be present)

Task Screenshots

Gallery Style: 2 Columns

4 2 1

```
function processBirds($birds) {
    echo "<br>Processing Array:<br><pre>" . var_export($birds, true) . "</pre>";
    echo "<br>Subset output:<br>";

    // Note: use the $birds variable to iterate over, don't directly touch $a1-$a4
    // TODO add logic here to create a new array with only name, color, and region
    $subset = []; // result array
    // Start edits
    //db624 10/21/24
    foreach($birds as $ele ){
        $subset[]=["name" => $ele["name"], "color" => $ele["color"], "region" => $ele["region"]];
    }
    // End edits
    echo "<pre>" . var_export($subset, true) . "</pre>";
} // ADD THE function processBirds($birds)
```

Screenshot of code for problem 1

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain in concise steps how this logically works

Response:

I created a foreach loop to go through the elements of the birds array. Within the for loop, I appended an associative array to the subset array, and accessed the name, color, and region values of the birds array element.

End of Task 1

End of Group: Problem 1

Task Status: 1/1

Group

100%

Group: Problem 2
Tasks: 1
Points: 3

COLLAPSE

Task

100%

Group: Problem 2
Task #1: Problem 2 Evidence
Weight: ~100%
Points: ~3.00

COLLAPSE

Details:
Only make edits where the template code mentions.

Solution should add logic to create a new array with original properties plus age and isClassic (extra data)

Columns: 1

Sub-Task

100%

Group: Problem 2
Task #1: Problem 2 Evidence
Sub Task #1: Show the output from heroku dev (url must be visible)

Task Screenshots

Gallery Style: 2 Columns

4 2 1

Screenshot of output for problem 2

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task URLs

URL #1

https://it202-db624-prod-a236ea831ca5.herokuapp.com/M5-PHP-HW/problem2.php

URL

https://it202-db624-prod-a236ea831ca5.heroku

Sub-Task

100%

Group: Problem 2
Task #1: Problem 2 Evidence
Sub Task #2: Show the code solution (ucid/date as comment must be present)

Task Screenshots

Gallery Style: 2 Columns

4 2 1

```php
function processCars($cars) {
    echo "<br>Processing Array:<br><pre>" . var_export($cars, true) . "</pre>";
    echo "<br>New Properties Output:<br>";

    // Note: use the $cars variable to iterate over, don't directly touch $a1-$a4
    // TODO: Add logic here to create a new array with original properties plus age and isClassic
    $currentYear = date("Y"); // determine current year
    $processedCars = []; // result array
    $classic_age = 25; // don't change this value
    // Start edits
    //@624 10/21/24        You, 7 minutes ago • Uncommitted changes
    foreach($cars as $ele){
        $car_age = $currentYear - $ele["year"];
        $is_classic = ($car_age >= $classic_age );
        $ele["age"]=$car_age;
        $ele["isClassic"]=$is_classic;
        $processedCars[] = $ele;
    } <- 623-28 foreach($cars as $ele)
    // End edits
    echo "<pre>" . var_export($processedCars, true) . "</pre>";
} <- #22-42 function processCars($cars)
```

Screenshot of code for problem 2

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain in concise steps how this logically works

Response:

I used the date function in PHP and passed the argument of "Y" to get the current year, and set that as the value for the currentYear variable. Then, I created a foreach loop where I set the variable ele as the iterator, in other words it is the variable I use to access the individual attributes of the nested associative arrays. Within the loop, I first obtain the car's age by accessing the associative array's year value and subtracting it from the current year. Then, I check if this age value is greater than 25 and store the result as a boolean. Finally, I create two new key-value pairs in ele for the car's age and classic status. After this, I insert this associative array into the processed cars array.

End of Task 1

End of Group: Problem 2
Task Status: 1/1

Group

100%

Group: Problem 3
Tasks: 1
Points: 3

COLLAPSE

Task

Group: Problem 3
Task #1: Problem 3 Evidence

100%
Weight: ~100%
Points: ~3.00

COLLAPSE

Details:
Only make edits where the template code mentions.
Solution should add logic to join the arrays on userId
Requires at least 2 screenshots (code + output from heroku dev)
Live URL must be Herokue Prod

Columns: 1

Sub-Task
100%
Group: Problem 3
Task #1: Problem 3 Evidence
Sub Task #1: Show the output from heroku dev (url must be visible)

Task Screenshots

Gallery Style: 2 Columns

4 2 1

Screenshot of output for problem 3

Caption(s) (required) ✓
Caption Hint: *Describe/highlight what's being shown*

Task URLs

URL #1
https://it202-db624-prod-a236ea831ca5.herokuapp.com/M5-PHP-HW/problem3.php

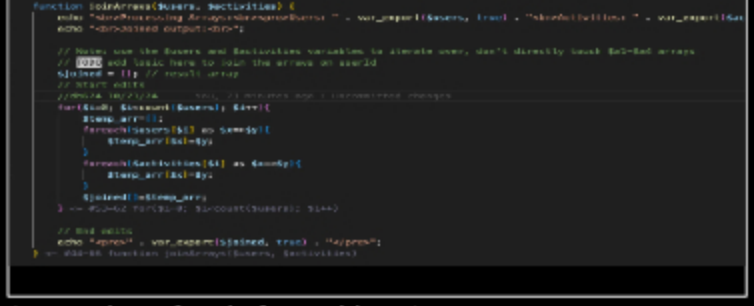
URL
https://it202-db624-prod-a236ea831ca5.heroku

Sub-Task
100%
Group: Problem 3
Task #1: Problem 3 Evidence
Sub Task #2: Show the code solution (ucid/date as comment must be present)

Task Screenshots

Gallery Style: 2 Columns

4 2 1



Screenshot of code for problem 3

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain in concise steps how this logically works

Response:

I created a for loop to access each of the nested associative arrays. Within the for loop, I created a temporary associative array and used foreach loops to traverse the i'th associative array in users and activities. I added all the key-value pairs within those two associative arrays into the temporary associative array and finally inserted that into the joined array.

End of Task 1

End of Group: Problem 3
Task Status: 1/1

Group

100%

Group: Reflection
Tasks: 3
Points: 1

COLLAPSE

Task

100%

Group: Reflection
Task #1: Reflect on your experience
Weight: ~33%
Points: ~0.33

COLLAPSE

Details:

Talk about any issues you had, how you resolved them, and anything you learned during this process.

Provide concrete details/examples. At least a few sentences.

Task Response Prompt

Response:

I did not have any issues while doing this homework. It was relatively straightforward.

End of Task 1

Task

100%

Group: Reflection
Task #2: Include the pull request link for this branch
Weight: ~33%
Points: ~0.33

COLLAPSE

Details:
The correct link will end with /pull/ and a number.

Task URLs

URL #1
https://github.com/Dathster/db624-it202-007/pull/21

URL
https://github.com/Dathster/db624-it202-007/pul

End of Task 2

Task

100%

Group: Reflection
Task #3: Add Screenshot of Wakatime
Weight: ~33%
Points: ~0.33

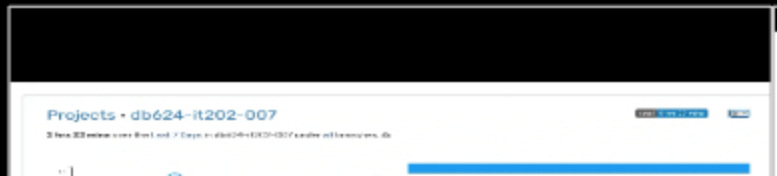
COLLAPSE

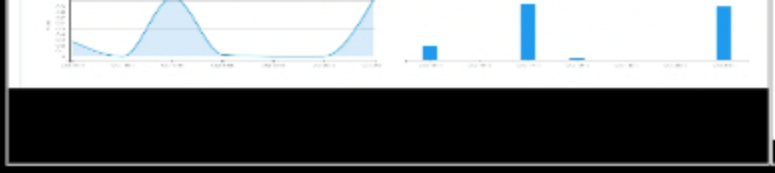
Details:
Note: The duration of time isn't directly related to the grade, the goal is to just make sure time is being tracked

Task Screenshots

Gallery Style: 2 Columns

4 2 1





Screenshot 1 of wakatime

wakatime screenshot 2

End of Task 3

End of Group: Reflection
Task Status: 3/3

End of Assignment