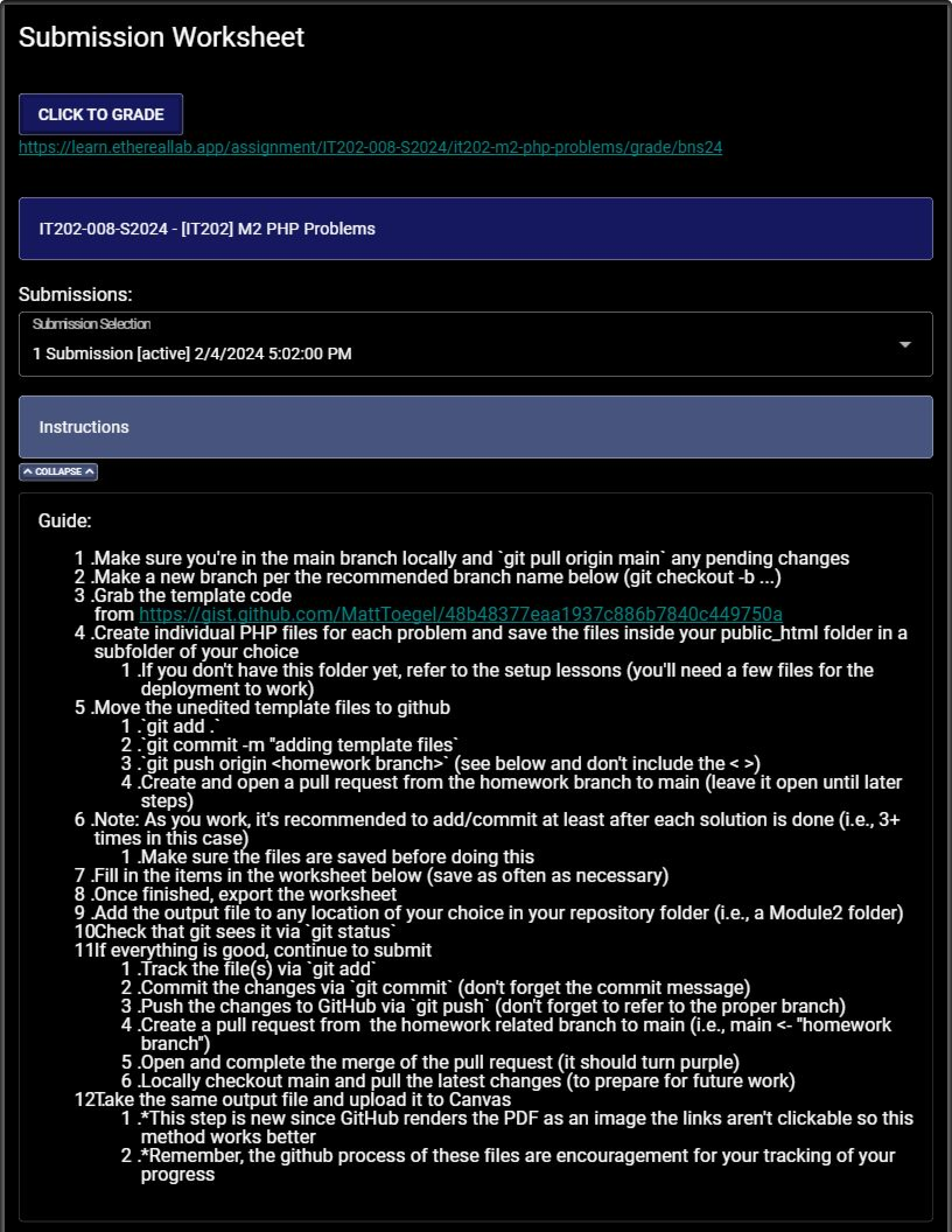


Submission Worksheet

CLICK TO GRADE

https://learn.ethereallab.app/assignment/IT202-008-S2024/it202-m2-php-problems/grade/bns24

IT202-008-S2024 - [IT202] M2 PHP Problems

Submissions:

Submission Selection

1 Submission [active] 2/4/2024 5:02:00 PM

Instructions

Guide:

1 .Make sure you're in the main branch locally and `git pull origin main` 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/48b48377eaa1937c886b7840c449750a
4 .Create individual PHP files for each problem and save the files inside your public_html folder in a subfolder of your choice
    1 .If you don't have this folder yet, refer to the setup lessons (you'll need a few files for the deployment to work)
5 .Move the unedited template files to github
    1 .`git add .`
    2 .`git commit -m "adding template files`
    3 .`git push origin <homework branch>` (see below and don't include the < >)
    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 Module2 folder)
10Check that git sees it via `git status`
11If 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., main <- "homework branch")
    5 .Open and complete the merge of the pull request (it should turn purple)
    6 .Locally checkout main and pull the latest changes (to prepare for future work)
12Take the same output file and upload it to Canvas
    1 .*This step is new since GitHub renders the PDF as an image the links aren't clickable so this method works better
    2 .*Remember, the github process of these files are encouragement for your tracking of your progress

Branch name: M2-PHP-Problems

Tasks: 11 Points: 10.00

● Problem 1 (3 pts.)

^ COLLAPSE ^

● ^ COLLAPSE ^

Task #1 - Points: 1

Text: Screenshot of the Problem 1 Solved Code and Output

Details:

Only make edits where the template code mentions.

Solution should ensure that any passed in array will have only the odd values output.
Requires at least 2 screenshots (code + output from heroku dev)

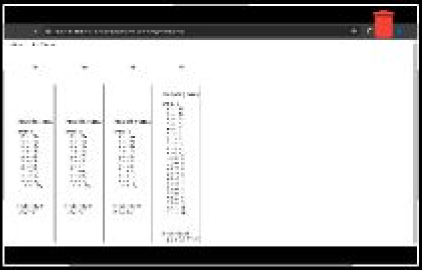
Checklist *The checkboxes are for your own tracking

#	Points	Details
□ #1	1	Edits were done only in the processArray() function and original template code/comments remain untouched
□ #2	1	Only $arr is used (no direct usage of $a1, $a2, $a3, $a4)
□ #3	5	Only odd values output (not odd indexes/keys)
□ #4	1	Includes code comments with student's ucid and date
□ #5	1	Output of code includes heroku dev URL with student's ucid visible

Task Screenshots:

Large Gallery

Checklist Items (0)



Checklist Items (0)

Code Solution for Problem 1

Output through Heroku for Problem 1

● ^ COLLAPSE ^

Task #2 - Points: 1

^ COLLAPSE ^

Text: Explain your solution

Checklist *The checkboxes are for your own tracking

#	Points	Details
□ #1	1	Clearly explains how the code/logic solves the problem (mentions how the odd values are determined)

Response:

I created a foreach loop that took the array that was entered through the function's parameter and went through each of the values. Then, I used the modulo operator, and determined that if I number divided by 2 has a remainder 1 (or not equal to 0), then it was odd. So I made a if statement to satisfy this condition, and if it was satisfied it would echo the value.

●

^ COLLAPSE ^

Task #3 - Points: 1

Text: Link to Problem 1 file from Production

Details:

Recommended: Use the notes tool on the right to store the base URL for your heroku production URL

Paste the production URL below, append the path to the file from your dev URL.
Note: This link won't be active until you merge the pull request, so it's expected to not exist at the time of filling this task

URL #1

https://bns24-it202-008-prod-4d42e45e31d0.herokuapp.com/problem1.php

●

^ COLLAPSE ^

Problem 2 (3 pts.)

●

^ COLLAPSE ^

Task #1 - Points: 1

Text: Screenshot of the Problem 2 Solved Code and Output

Details:

Only make edits where the template code mentions.

Solution should ensure that any passed in array will have the numerical values summed and rounded to two decimals (similar to currency)
Requires at least 2 screenshots (code + output from heroku dev)

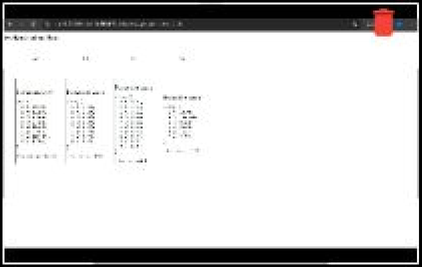
Checklist *The checkboxes are for your own tracking

#	Points	Details
☐ #1	1	Edits were done only in the getTotal() function and original template code/comments remain untouched (unless noted)
☐ #2	1	Only $arr is used (no direct usage of $a1, $a2, $a3, $a4)
☐ #3	5	Passed in array's values get summed AND rounded to two decimal places like currency (i.e., 0.00, 0.10, 1.10)
☐ #4	1	Includes code comments with student's ucid and date
☐ #5	1	Output of code includes heroku dev URL with student's ucid visible

Task Screenshots:

Large Gallery

Checklist Items (0)



Checklist Items (0)

Code Solution for Problem 2	Heroku Output for Problem 2

Task #2 - Points: 1

Text: Explain your solution

Checklist

*The checkboxes are for your own tracking

#	Points	Details
☐ #1	1	Clearly explains how the code/logic solves the problem (mentions both how the values get summed and how the rounding is solved correctly)

Response:

I used a similar foreach loop to traverse through each of the values in the passed array. Using the given variable $total, I added the value of $value to the total each time it iterated, which would then give the sum of all the numbers in the array. Using the round function, I was able to round the final total result to 2 decimal places, like currency.

Task #3 - Points: 1

Text: Link to Problem 2 file from Production

ⓘ Details:

Recommended: Use the notes tool on the right to store the base URL for your heroku production URL

Paste the production URL below, append the path to the file from your dev URL.
Note: This link won't be active until you merge the pull request, so it's expected to not exist at the time of filling this task

URL #1

https://bns24-it202-008-prod-4d42e45e31d0.herokuapp.com/problem2.php

● ^ COLLAPSE ^

Problem 3 (3 pts.)

● ^ COLLAPSE ^

Task #1 - Points: 1

Text: Screenshot of the Problem 2 Solved Code and Output

Details:
Only make edits where the template code mentions.

Solution should ensure that any passed in array will have its values converted to a positive version of the value AND converted back to the original data type.
Requires at least 2 screenshots (code + output from heroku dev)

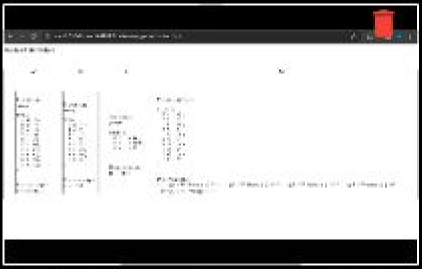
Checklist *The checkboxes are for your own tracking

#	Points	Details
□ #1	1	Edits were done only in the bePositive() function and original template code/comments remain untouched
□ #2	1	Only $arr is used (no direct usage of $a1, $a2, $a3, $a4)
□ #3	5	Passed in array's values will get converted to a positive version AND converted back to the original data type
□ #4	1	Includes code comments with student's ucid and date
□ #5	1	Output of code includes heroku dev URL with student's ucid visible

Task Screenshots:

Large Gallery

Checklist Items (0)



Checklist Items (0)

Code Solution Problem 3

PHP Output Heroku for Solution 3. Final column has echo to prove that it was converted back to its original datatype.

Task #2 - Points: 1

Text: Explain your solution

Checklist *The checkboxes are for your own tracking

#	Points	Details
□ #1	1	Clearly explains how the code/logic solves the problem (mentions both the conversion to positive and conversion to original data type)

Response:

The solution goes through each value in the array. If it is a string, it takes the absolute value of the value, converts it into a string and echoes the result. I added the var_dump function there to prove that it was converted back into its original datatype. If it is another datatype, such as a float or integer, I left it as is, because the program already recognized these types after it went through the absolute value function. All of the values returned were positive.

Task #3 - Points: 1

Text: Link to Problem 3 file from Production

Details:

Recommended: Use the notes tool on the right to store the base URL for your heroku production URL

Paste the production URL below, append the path to the file from your dev URL.
Note: This link won't be active until you merge the pull request, so it's expected to note exist at the time of filling this task

URL #1

https://bns24-it202-008-prod-4d42e45e31d0.herokuapp.com/problem3.php

Reflection (1 pt.)

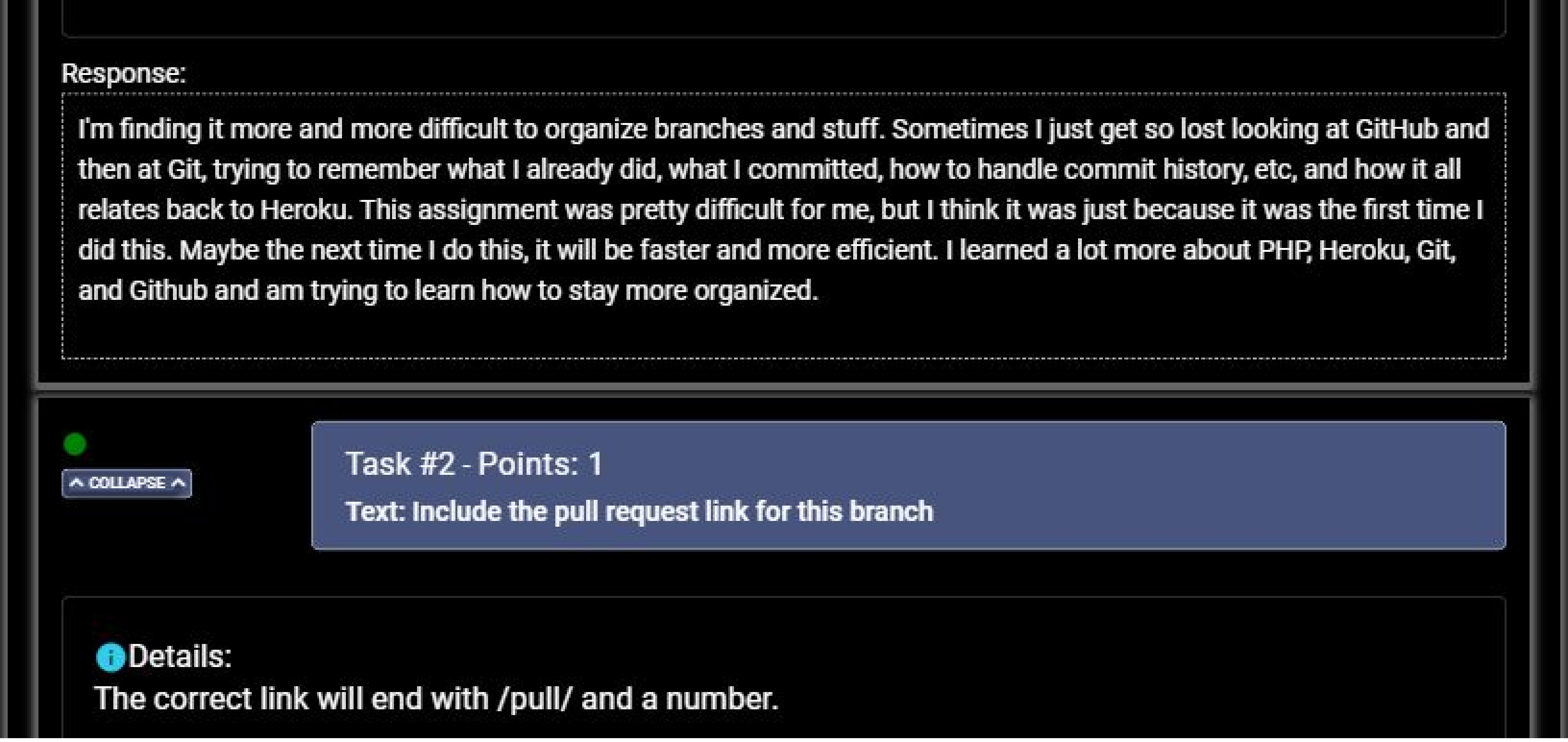
Task #1 - Points: 1

Text: Reflect on your experience

Details:

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

Provide concrete details/examples.



Response:

I'm finding it more and more difficult to organize branches and stuff. Sometimes I just get so lost looking at GitHub and then at Git, trying to remember what I already did, what I committed, how to handle commit history, etc, and how it all relates back to Heroku. This assignment was pretty difficult for me, but I think it was just because it was the first time I did this. Maybe the next time I do this, it will be faster and more efficient. I learned a lot more about PHP, Heroku, Git, and Github and am trying to learn how to stay more organized.

Task #2 - Points: 1

Text: Include the pull request link for this branch

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