Course: IT202-008-S2025

Assignment: IT202 PHP Problems

Student: Dylan W. (dw347)

Status: Submitted | Worksheet Progress: 110.00%

Potential Grade: 11.00/10.00 (110.00%) Received Grade: 0.00/10.00 (0.00%)

Grading Link: https://learn.ethereallab.app/assignment/v3/IT202-008-S2025/it202-php-problems/grading/dw347

Instructions

- Ensure you read all instructions and objectives before starting.
- 2. Create a new branch from dev called M2-Homework
 - git checkout dev (ensure proper starting branch)
 - git pull origin dev (ensure history is up to date)
 - 3. git checkout -b M2-Homework (create and switch to branch)
- 3. Copy the template code from here: GitHub Repository M2 Homework
 - It includes Problems 1-4 and base.php. Put all into an M2 folder or similar inside your public_html
 - Immediately record to history
 - □ git add public_html
 - □ git commit -m "adding M2 HW baseline files"
 - □ git push origin M2-Homework
 - Create a Pull Request from M2-Homework to dev and keep it open
- 4. Fill out the below worksheet
 - · Each Problem requires the following as you work
 - ☐ Ensure there's a comment with your UCID, date, and brief summary of how the problem was solved
 - □ Initial outline/plan of how you'll solve it via comments (add/commit after this stage)
 - Code solution (add/commit periodically as needed)
- Once finished, click "Submit and Export"
- Locally add the generated PDF to a folder of your choosing inside your repository folder and move it to Github
 - git add .
 - 2. git commit -m "adding PDF"
 - 3. git push origin M2-Homework
 - 4. On Github merge the pull request from M2-Homework to dev
 - On Github create a pull request from dev to prod and immediately merge. (This will trigger the prod deploy to make the heroku prod links work)
- 7. Upload the same PDF to Canvas
- 8. Sync Local
 - 1. git checkout dev
 - 2. git pull origin dev

Section #1. (2 pts.) Problem 1 - Odds

Task #1 (2 pts.) - Edit the `printOdds` function to output odd values

Combo Task:

Weight: 100%

Objective: Edit the 'printOdds' function to output odd values of the array

Details:

- · Only make edits where noted via provided comments
- · Challenge: Print odd values only in a single line separated by commas
- Step 1: sketch out plan using comments (include ucid and date)
- Step 2: Add/commit your outline of comments (required for full credit)
- · Step 3: Add code to solve the problem (add/commit as needed)

Item:#1

Weight: 40%

Details:

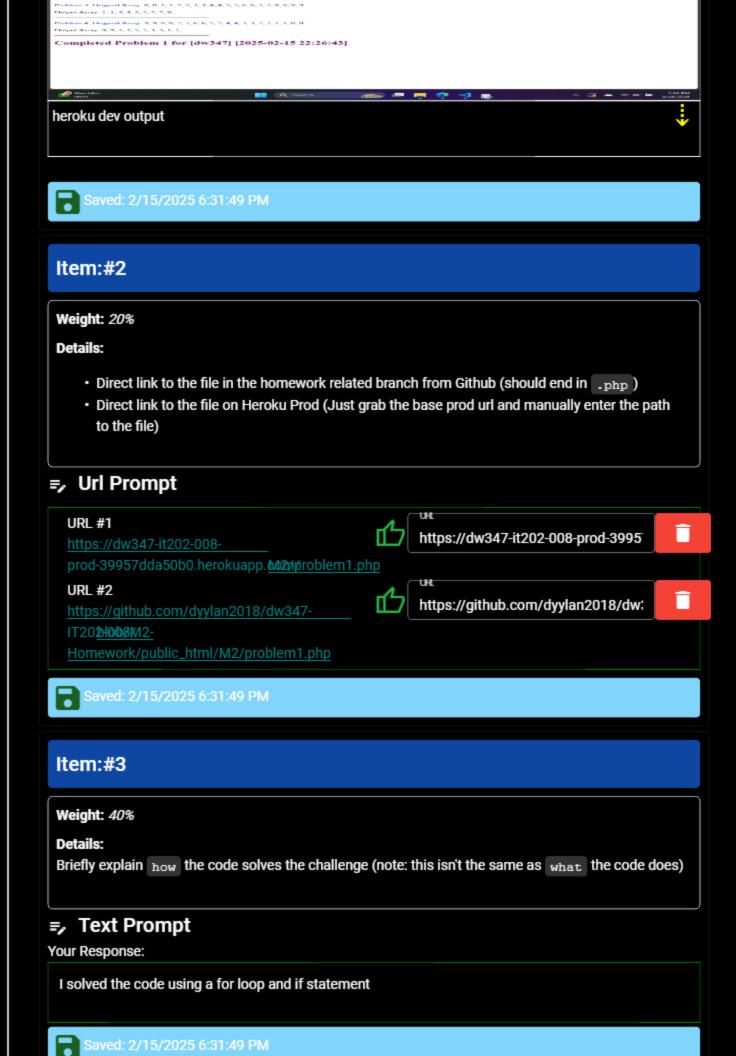
Two screenshots are expected

- Snippet of relevant code showing solution (with ucid/date comment)
- 2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)

Image Prompt

showing solution





Section #2: (2 pts.) Problem 2 - Sum

Task #1 (2 pts.) - Edit the `sumValues` function to sum the array va

Combo Task:

Weight: 100%

Objective: Edit the `sumValues` function to sum the array values and present them in a format with exactly two decimal places

Details:

- Only make edits where noted via provided comments
- Challenge 1: Sum all the values of the passed in array and assign to total
- · Challenge 2: Have the sum be represented as a number with exactly 2 decimal
- Example: 0.1 would be shown as 0.10, 1 would be shown as 1.00, etc
- Step 1: sketch out plan using comments (include ucid and date)
- · Step 2: Add/commit your outline of comments (required for full credit)
- Step 3: Add code to solve the problem (add/commit as needed)

Item:#1

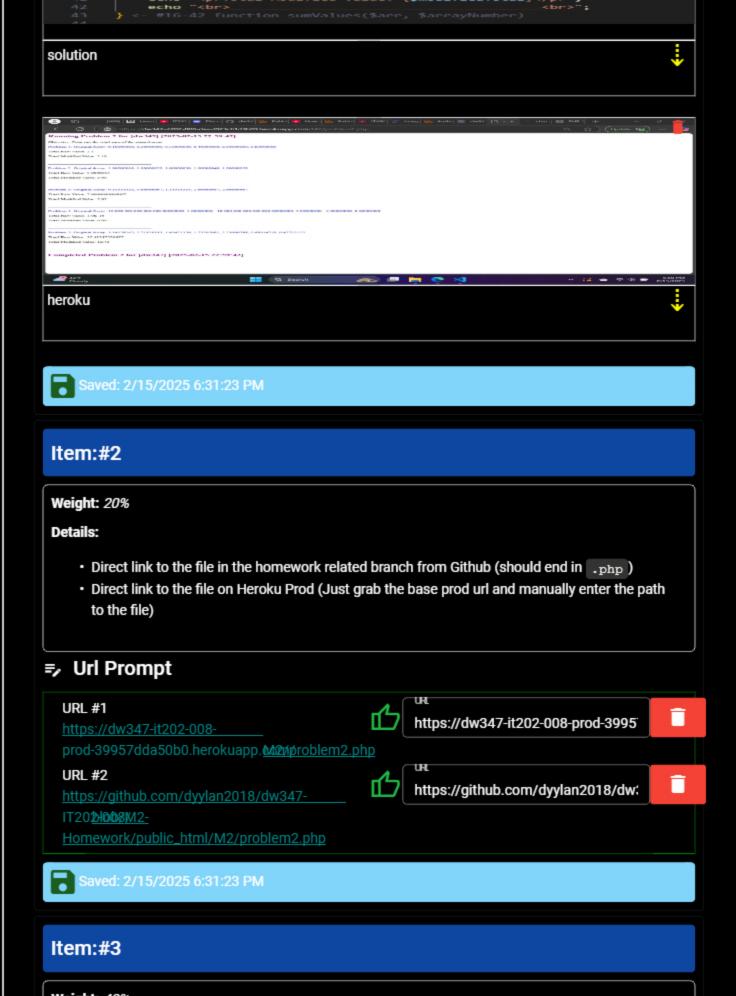
Weight: 40%

Details:

Two screenshots are expected

- Snippet of relevant code showing solution (with ucid/date comment)
- 2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)

≡ Image Prompt



Weight: 40%

Details:

Briefly explain how the code solves the challenges (note: this isn't the same as what the code

does)

Text Prompt

Your Response:

I used array_sum(\$arr) to sum the array elements and I used number_format(\$total, 2) to fix the total to have 2 decimal places.



Saved: 2/15/2025 6:31:23 PM

Section #3: (2 pts.) Problem 3 - Conversion

Task #1 (2 pts.) - Edit the 'bePositive' function to make each value

Combo Task:

Weight: 100%

Objective: Edit the `bePositive` function to make each value positive, convert it back to the orginal data type, and set it to the proper slot in the `output` array

Details:

- Only make edits where noted via provided comments
- Challenge 1: Make each value positive
- Challenge 2: Convert the values back to their original data type and assign it to the proper slot of the output array
- Step 1: sketch out plan using comments (include ucid and date)
- Step 2: Add/commit your outline of comments (required for full credit)
- Step 3: Add code to solve the problem (add/commit as needed)

Item:#1

Weight: 40%

Details:

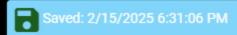
Two screenshots are expected

- Snippet of relevant code showing solution (with ucid/date comment)
- 2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)

Image Prompt







Item:#2

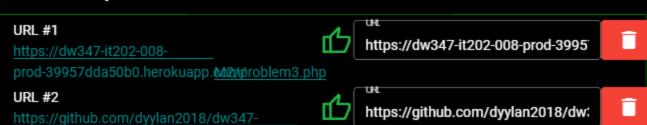
Weight: 20%

Details:

- · Direct link to the file in the homework related branch from Github (should end in .php)
- Direct link to the file on Heroku Prod (Just grab the base prod url and manually enter the path to the file)

Url Prompt

IT202H008M2-



Homework/public_html/M2/problem3.php



Saved: 2/15/2025 6:31:06 PM

Item:#3

Weight: 40%

Details:

Briefly explain how the code solves the challenges (note: this isn't the same as what the code

Text Prompt

Your Response:

I used abs(\$value) to convert each value to positive & I used intval(), floatval(), & strval() to restore the original data type.



Saved: 2/15/2025 6:31:06 PM

Section #4: (2 pts.) Problem 4 - Strings

Task #1 (2 pts.) - Edit the `transformText` function to solve the cha

Combo Task:

Weight: 100%

Objective: Edit the `transformText` function to solve the challenges

Details:

- Only make edits where noted via provided comments
- · Challenge 1: Remove non-alphanumeric characters except spaces
- Challenge 2: Convert text to Title Case
- Challenge 3: Trim leading/trailing spaces and remove duplicate spaces
- Result 1-3: Assign final phrase to placeholderForModifiedPhrase
- Step 1: sketch out plan using comments (include ucid and date)
- Step 2: Add/commit your outline of comments (required for full credit).

- step 2. Addy commit your outside of comments (required for full creaty
- · Step 3: Add code to solve the problem (add/commit as needed)

Item:#1

Weight: 40%

Details:

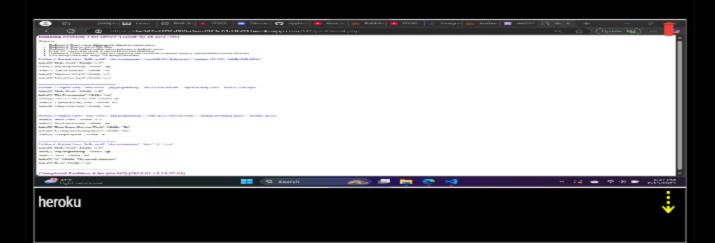
Two screenshots are expected

- Snippet of relevant code showing solution (with ucid/date comment)
- 2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)

=, Image Prompt

```
// Addition of the control of the co
```

solution





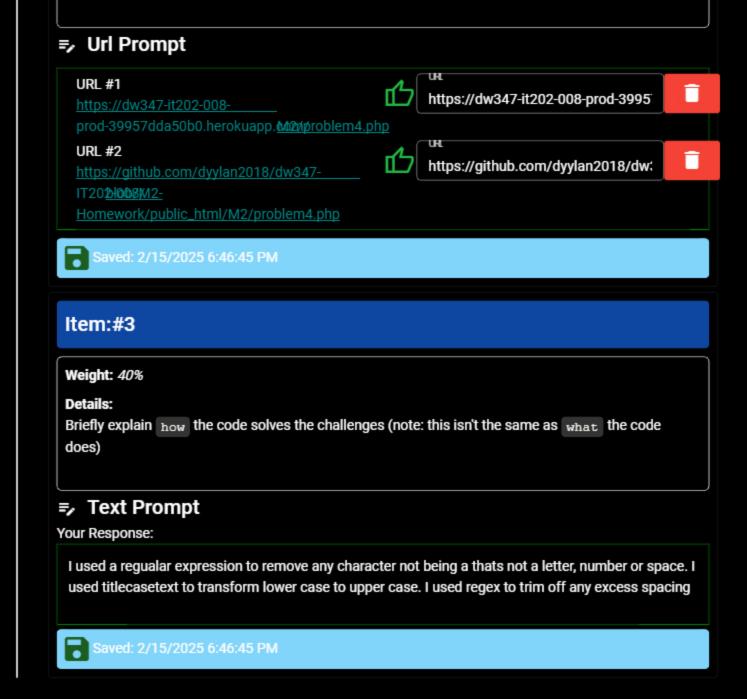
Saved: 2/15/2025 6:46:45 PM

Item:#2

Weight: 20%

Details:

- Direct link to the file in the homework related branch from Github (should end in _php)
- · Direct link to the file on Heroku Prod (visit the proper file on Heroku dev after a manual deploy)



Task #2 (+ 0.90 pts.) - Edit the `transformText` function to solve the

Combo Task:

Weight: 45%

Objective: Edit the `transformText` function to solve the extra credit challenge (challenge 4)

Details:

- · Only make edits where noted via provided comments
- Challenge 4: Extract middle 3 characters (beginning starts at middle of phrase)
- Assign result to 'placeholderForMiddleCharacters'

- If not enough characters assign Not enough characters
- · Step 1: sketch out plan using comments (include ucid and date)
- · Step 2: Add/commit your outline of comments (required for full credit)
- · Step 3: Add code to solve the problem (add/commit as needed)

Item:#1

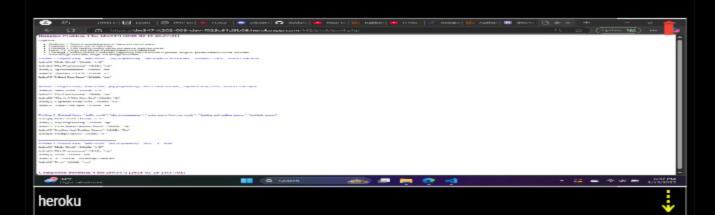
Weight: 40%

Details:

Two screenshots are expected

- Snippet of relevant code showing solution (with ucid/date comment)
- 2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)

■ Image Prompt





Item:#3

Weight: 50%

etails:

Rriefly explain have the code solves the extra credit challenge (note: this isn't the same as what

the code does)

Your Response:

I used an if else statement to extract out the 3 middle characters of the string and if the statement didn't have enough characters to take out 3 of them, it returns "not enough"

Saved: 2/15/2025 6:50:00 PM

Section #5: (2 pts.) Misc

Task #1 (0.67 pts.) - Github Details

Combo Task:

Weight: 33.33%

Objective: Github Details

Item:#1

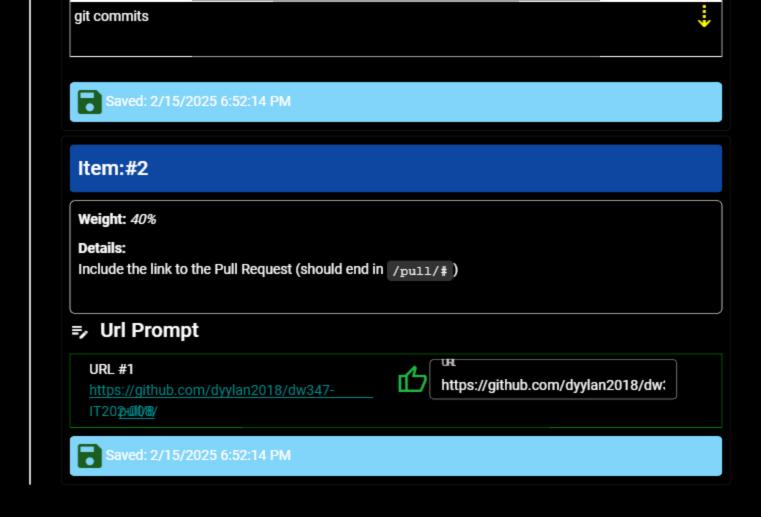
Weight: 60%

Details:

From the Commits tab of the Pull Request screenshot the commit history Following minimum should be present

Image Prompt





Task #2 (0.00 / 0.67 pts.) - WakaTime - Activity

Weight: 33.33%

Objective: WakaTime - Activity

Details:

- · Visit the WakaTime.com Dashboard
- Click Projects and find your repository
- · Capture the overall time at the top that includes the repository name
- · Capture the individual time at the bottom that includes the file time
- · Note: The duration isn't relevant for the grade and the visual graphs aren't necessary

Image Prompt

Projects - dw347-IT202-008

3 hrs 7 mins over the Lest 7 Days in dw347-IT202-008 under all branches. ©



Task #3 (0.00 / 0.67 pts.) - Reflection

Sub-Tasks:

Task #1 (0.00 / 0.33 pts.) - What did you learn?

Weight: 33.33%

Objective: What did you learn?

Details:

Briefly answer the question (at least a few decent sentences)

Text Prompt

Your Response:

I learned more about php and how to code in it. it took alot of trial and error but I figured it out. for looping and regex is something i'm familiar with but the format is what took me some time to do.



Task #2 (0.00 / 0.33 pts.) - What was the easiest part of the a

Weight: 33.33%

Objective: What was the easiest part of the assignment?

Details:

Briefly answer the question (at least a few decent sentences)

Text Prompt

Your Response:

the first question was the easiest. also merging and pushing to my github was easy too.

Saved: 2/15/2025 6:57:54 PM

Task #3 (0.00 / 0.33 pts.) - What was the hardest part of the

Weight: 33.33%

Objective: What was the hardest part of the assignment?

Briefly answer the question (at least a few decent sentences)

■ Text Prompt

Your Response:

the coding was hard. also going back and forth to take screenshots was alot.



Saved: 2/15/2025 6:58:32 PM