PHP: Includes & Functions

Difficulty: Beginner
Time to Complete: 2h+

Outcomes

Students should be able to either create or understand the following:

- Functions
- Include/Require

Description

Your task is to take the static image gallery that is provided and modify the current structure to use include files.

Steps

Read chapter 5 and then adapt the code provided: start_files_as04.zip

1. Create a folder called as04 in the web IDE in Nitrous.io.
2. Upload all of the files to the web IDE in Nitrous.io.
3. Create two new files in the as04 folder. One called header.php and one called footer.php.
4. Open each file you are given (autumn.html, forests.html, etc...) in the web IDE in Nitrous.io.
5. Look at each file and locate the header HTML elements/structure that they all have in common.
6. Once you have identified the common header structure, copy and paste those elements to the new file you just created called header.php.
7. Remove the common header HTML in each HTML file (autumn.html, forests.html, etc...).
8. Include header.php in the place of all the html you just removed. This include statement will need to be in every file.
9. Once you have identified the common footer structure, copy and paste those elements to the new file you just created called footer.php.
10. Remove the common footer HTML in each HTML file (autumn.html, forests.html, etc...).
11. Include footer.php in the place of all the html you just removed. This include statement will need to be in every file.
12. Since each file (autumn.html, forests.html, etc...) now contains a PHP script block with an include statement you need to change their extensions to .php.
13. Open the header.php. in it isn't open.
14. In the header.php. file create a function called displayImage that takes two

arguments. The first argument is the path to an image. The second argument is the caption of a image. The purpose of the function is to generate the HTML elements/structure for one image. Look at the HTML of each image block in one of the files (autumn.php, forests.php, etc...). What you will be creating is a php string that contains the necessary HTML for one image. This string also contains the PHP arguments give n to the function when called. Have the function return a string of HTML instead of directly echo a string in the function.

Submission

If you haven't yet, please share your Nitrous container with me. In the dashboard of your container click on the Collaborators tab and then enter my email: thomasbell@weber.edu. Then click Add. To submit this assignment download the assignment folder from the Nitrous IDE. Zip that folder up and then upload the zip file to Canvas using the "submit assignment" button at your right.

Rubric

Criteria	Points
Correctly create a header.php file	20
Correctly create a footer.php file	20
Correctly include the header.php file on each page	15
Correctly include the footer.php file on each page	15
Create a function with two arguments	20
return a string from the function	10
Function calls in all files	25
Total	125

Printing

Print as PDF