Homework#5 [10 points]

COP 3813 Fall 2017

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## Delivery:

1. Please, zip all the files in a single zip file and upload it on Canvas. Call it HW5\_yourusername.zip.
2. Also, please upload the files (unzipped) under /home/~yourfauusername/public\_html/hw5/ directory ([see structure](#fcle0mcsqvn2)) on the lamp.eng.fau.edu server. This means that this page will be accessible through http://lamp.eng.fau.edu/~yourusername/hw5/index.html on the web.

"Late assignments will be graded with a penalty of 10% of the maximum possible grade for each day after the assignment’s due date, up to a maximum of 3 days late (i.e., 30% penalty), beyond which the assignment will receive a grade 0 (zero)."

# Problem

Review [what we did in the class on File I/O](https://docs.google.com/presentation/d/1bIltTQwSh1pjTcaL4SGPzZQVetXWHR0nx26sKRMB6qE/edit#slide=id.g292ff73ca1_0_15) (currently slide 8, with titles “PHP Writing to a File” and “PHP Reading a File”) and [Exceptions](https://docs.google.com/presentation/d/1bbjWbdyOJG1gyapv6RoBNkEFp_GDKokoF4mwYv_Q3lw/edit#slide=id.g291e1d5d12_0_26) , rewrite the file handling code to use Exceptions correctly rather than using “**or die()**”.

All of the following demonstrations MUST be active at all times on canvas, and the TA should be able to see that all of the specified features are working by entering data. Use separate forms in a single index.html file, with possibly different script files linked to each “action” for each form. Ask questions if you are not clear.

* At least one “writing” example should succeed, [-2 points if this is not the case] and
* at least one writing example should throw an exception should be displayed back to the user. [-2 points if this is not the case]
* At least one “reading” example should succeed, [-2 points if this is not the case] and
* at least one reading example should throw an exception should be displayed back to the user. [-2 points if this is not the case]

1. Your PHP code must also demonstrate that you can successfully “append” to a file that may or may not exists. [2 point]
2. Your PHP code must demonstrate that you can successfully “write” to a file that does not exist, but it throws an exception when the file already exists. Hint: Look at all the modes of opening a file. [4 points]
3. Your code must demonstrate that you can successfully read a file that already exists (and print it contents). [2 point]
4. Your code must demonstrate that when you try to read a file that does not exist, an exception is thrown. [2 point].
5. BONUS: Write a PHP class called MyFiles that contains functions read(), append(), overwrite() and write() do all of the above by using parameters and handles all possible exceptions. [4 points]. If you do this, you do not have to do steps 1 through 4 and you will be graded out of 14 points.

# Updated Folder Structure

public\_html/

|

|--index.html

|--images/ (directory for images of HW1)

|--- (possibly other folders and files.)

|

|--p1

|--p2

|--p3

|--hw2

|--hw3

|--hw5

| |-- index.html // with all the forms in a single file.

| |-- (more php files)

## FAQs about this Homework:

(HW related questions that do not belong to any specific problem above can be posted below as comments below. Highlight an available number and place your question as comment See example 1 below).

Question 1

Question 2

Question 3

Question 4

Question 5

Question 6

Question 7

Question 8

Question 9

Question 10

