INFO1-CE9224 Lab Assignments

You're not responsible for turning these assignments in. They are for your own benefit so that you can learn in class and I can help you as you go. Choose whichever assignments you'd like in any order.

If you have any questions, please feel free to ask during the lab.

Exercises

Simple Validation using Regular Expressions

Validate strings using the following rules:

• must only contain letters and numbers
• must be at least 5 characters long
• must be at most 15 characters long

Complex Validation using Regular Expressions

You've been tasked with building a file uploader. Your boss is very particular about how she wants the files that are uploaded to be named. She gave you the following requirements. The file name must:

• cannot contain capital letters
• can contain numbers, but cannot start with a number
• the only special characters allowed are underscore and hyphen
• cannot be shorter than 5 characters
• cannot be longer than 20 characters
• must only contain one dot, which is what separates the name from the extension
• can only have the following extensions: txt, doc, rtf

Valid Names:

document-1.txt
document_34.rtf
some-doc_2010.doc

Invalid Names:

Document-1.txt
01-doc.txt
very-very-long-document-name.doc
01-doc.html
some(doc).txt

File Uploader

Part 1:

Create a simple form and a script that does the bare minimum for handling file uploads. Use the slides, your book, and php.net for reference.

• Create an HTML form with a single form field with the name: file1
• When the user submits the form:
    • check that the form was submitted
    • check that the file was uploaded and there were no errors
    • copy the file from the tmp location, to a place on the filesystem of your choosing

Part 2:

Use what you've built in part one, but add the following.

• An addition text input field for the file name. The file name should not include the extension. You should take the extension off of the original file that was uploaded.
• Validate that the field is not empty and doesn't contain any invalid characters. It should be alpha-numeric with only dashes and underscores (you don't have to use regex for this, use whatever works for you). Do this part last, it's the least important part of this task in terms of your learning experience.
• Validate that a file with this name doesn't already exist.

Extra Credit:

See the documentation for PHP's opendir() and readdir() functions: http://us2.php.net/opendir and http://us2.php.net/readdir. Print a list of files that were uploaded underneath the form you created.