**Exercise #2**

CSCI 214: Server-Side Admin and Programming

*Overview*

We've begun to use PHP in earnest… what kinds of programming can we do on the server-side? In this exercise, we'll just start to flex our muscles with our new powers. We might not really build out a very functional web form just yet, but we'll be making small steps to get there! *Note that the following exercise covers reading from chapters 3, 4, and 5.*

*Objectives*

1. Refactor your home page and survey page so the file extension is '.php'.
2. Create an HTML form element somewhere on your home page… this is going to be something of a testing ground for your server-side programming until we get more sophisticated. Make sure the form has a text field for user to input their name.
3. Create a page called 'process.php' that your home page form will submit to, and adjust your home page form to POST its form data to process.php.
4. Refactor all of your pages so that duplicate code between pages is reduced into individual "include" files. This makes it so future changes only need to be made in one place! (Chapter 5 – including and requiring files)
5. Make a greeting on your home page with the following specs:

|  |  |
| --- | --- |
| Time of Day on the Server | Greeting |
| 5:00 am – 12:00 noon | Good Morning! |
| 12:00 noon – 5:00 pm | Good Afternoon! |
| 5:00 pm – 5:00 am | Good Evening! |

Don't use Javascript for this! You may need to study up on PHP's date function to make this happen. Any problem with presenting the user with a greeting based on the time where the server is located?

1. On your process.php page, greet the user with a nice message that refers to the user by name, like "Thank you for taking our survey, John". Make sure you are using the name submitted on the form by the user, and make sure hackers can't enter anything dangerous (chapter 3 – Superglobals and security)

*Resources*

Here's some links that may come in handy:

<https://www.php.net/manual/en/ref.strings.php> - PHP string function reference

<https://www.w3schools.com/php/php_date.asp> - W3Schools coverage of the date function

*Completion*

Once you are done with this assignment, hand in a link to your home page so I can check out the functionality. Hand it in at D2L > Assignments > Exercise 2.