

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

User Defined Functions

Define 2 functions that do the following:

1. `getTextInput` with two required values (name, id), and one optional value (val). This should return the HTML element for an input type="text" field.
2. `getTextArea` with two required values (name, id), and one optional value (val). This should return the HTML element for a textarea field.
3. Create an HTML form using these functions.

Send an Email

Using PHP's mail function, send an email to yourself. Verify in your inbox that the email was actually sent.

Page Redirection and HTTP 404 Status Code

Create a file that expects a URL query parameter 'action'. If the action is either 'home' or 'bio', print some content. If the action is one of the two, show the message. If the action is 'info' redirect to 'bio'. If the action is not set, or is not one of the 3 allowed actions, display a 404 message with a status code of 404.

See the slides if you need a reminder for how this works.

Assignment #1

Log-in form: This assignment will force you to put together a lot of concepts that we've learned in class so far: form submission handling, multidimensional array traversal, setting HTTP headers, and setting and getting session and cookie data. Complete the following:

1. Create two files: login.php and profile.php
2. In the login.php file, create a multidimensional array with a list of at least 3 elements. The username should be the key, and the value should be an array. The array value should be an associative array with the following keys: password, first name, last name (this is essentially mimicking a database).
3. In the login.php file, write an HTML form with two elements: username and password. The form should submit a POST request to itself. It should search the multidimensional array for the submitted username and compare the submitted password to what it finds.
 - a. If the password does not match or the username could not be found, display an error message and the form again.
 - b. If the username is found and the password matches, log the user in:
 - i. Save the username in session
 - ii. Save the first name and last name in cookie variables
 - iii. do an HTTP redirect to profile.php
4. If login.php is loaded with a session variable 'username' already set, do an HTTP redirect to profile.php
5. In the profile.php file
 - a. Check that the user is logged in by verifying the username is set in session
 - b. Display the First Name and Last Name from the cookie variables
6. In the profile.php file, if the user is not logged in, redirect to the login.php file.

Please ask me if you need help with this.