

Assignment 6: Validation and Sessions

PART 1: Art Store (Chapter 12, Project 2)

Overview

Validation should be performed on both client-side and server-side. First, let us build a client-side form validation script that will check for a valid email. Then we add server-side validation to do the same thing.

Instructions

On the client side:

1. Create a JavaScript file `chapter12-project02.js`. Attach a listener to the submit event of the form that will trigger your validation script. Your validation script should use regular expressions to test for valid email field values.
2. In the event there is an error, prevent the form from submitting and highlight the field in red using JavaScript as shown in the next page. Hint: See if you can add a useful error message in addition to the field highlighting.

On the server side:

3. Create a PHP file `art-form-process.php`. The file should echo user inputs as shown below.
4. Write validation regular expressions to ensure the submitted form had good data. Perform the same tests you did on the client-side.
5. Modify the PHP file to return the login page if there is any error in registration with the errors highlighted using the same CSS styles as used by the client-side. Note: There should be no difference between the CSS styling used in client-side validation and server-side validation.

Testing

Client side:

1. Try registering with an invalid email format and verify that the form identifies the error, prevents the form from submitting, and highlights the field.
2. Finally, submit the form with correct information.

Server side:

3. Disable JavaScript in your browser to purposefully circumvent the client-side validation you just created.
4. Try registering with an invalid email and verify that the server-side script catches the error and returns the HTML with highlighting around the invalid fields.

Chapter 12

localhost/cs3500/chapter12/project2/chapter12-project02.php

Welcome to Art Store, Login or Create new account

My AccountWish ListShopping CartCheckout

Art Store

Search

HomeAbout UsArt WorksArtistsSpecials

Account

Login

Register

Register Account

If you already have an account with us, please login at the login page.

First NameJohn

Last NameSmith

Emailbademail

Password

Password Confirm

☒ I agree to the [privacy policy](#)

Register

About UsCustomer ServiceJust OrderedContact us

Chapter 9

localhost/cs3500/chapter12/project2/art-form-process.php

Welcome to Art Store, Login or Create new account

My AccountWish ListShopping CartCheckout

Art Store

Search

HomeAbout UsArt WorksArtistsSpecials

Account

Login

Register

Password Recovery

My Account

Returns

Order History

My Account

Welcome John Smith.

Email: john@wmich.edu

First Name: John

Last Name: Smith

Agreed to privacy policy? Yes

PART 2: Art Store (Chapter 13, Project 2)

Overview

Add the functionality to manage a simple shopping cart, within a session variable.

Instructions

1. Add `session_start()` function to all pages that will participate in the session integration.
2. Create a new blank page `addToCart.php`, which will handle a GET request to add something to the shopping cart.
3. Update `display-art-work.php` to include a link for the “Add to Shopping Cart” button in the format:
`addToCart.php?artworkID=122`
4. `addToCart.php` should process the ID of the desired item and update the `$_SESSION['ShoppingCart']` variable appropriately.

Modify `chapter13-project02.php` so that it generates a dynamic shopping cart page based on the items in the session variable, as shown in the next page.

Test

1. Test the page by starting to add items to the list.
2. Notice that even without logging in, the session is able to track multiple users. Visit the page on two computers at the same time and note how the wish lists are distinct on each.

Chapter 13

localhost/cs3500/chapter13/project2/chapter13-project02.php

Welcome to Art Store, Login or Create new account

My Account

Wish List

Shopping Cart

Checkout

Art Store

Search

Q

Home



About Us

Art Works

Artists

Specials

View Cart

Image	Product	Quantity	Price	Amount
	Portrait of the Artist Holding a Thistle	1	\$675.00	\$675.00
	Self-portrait in a Straw Hat	1	\$800.00	\$800.00

Subtotal

\$1,475.00

Tax

\$147.50

Shipping

\$100.00

Grand Total

\$1,722.50

Continue Shopping

Checkout