

Project 9: Form Validation (again)

CS 212 • 20 Points Total
Due Monday, November 21, 2016

Objectives

- Practice using JavaScript.
- Revisit form validation.

Assignment

This should be, hopefully, a simpler project. You've already got the form and the code to send an email, or you can use the form to save a message in a database on your server, so use either one you wish. All you have to do is change the form validation for whichever one you select to use JavaScript, without breaking how the form works. Here're the details:

- Pick one of your forms for messaging (if you didn't keep them both, then use the one you still have).
 - Get rid of the PHP code for input validation.
 - With JavaScript, you can now do validation as you go. Put code in to validate a field anytime the focus leaves it.
 - Put more code in to check everything when the submit button is clicked. If everything isn't right, the button shouldn't work – in other words, do nothing except put up an alert to tell the user what's wrong.
 - If everything is valid, you can call a simple little PHP file that sends the mail and puts up a success message. You don't, of course, want to redraw the form but you should give the user some navigation options back to your site.
- You should comment your code well. If something is going wrong, neither I nor the grader will spend a lot of time debugging your work to give you partial credit. Improve your chances of partial credit by good comments so we can quickly figure out your intent.
- Work together to figure things out but, as always, turn in your own code.

Hey, that's it! Of course, you still need to have a JS function for each of the fields and so it's not completely trivial. But it really is simpler to handle validation with JS. I'm betting you can do a better and easier job of validating the email address, now, right?

Project Report

The final step of this assignment is to create a report consisting of a cover page, an overview of the project, sample output, and the source code. **For your source code**, you can simply zip up your site files. Otherwise, we can't see the content of your scripts. For this project, we only need to see the files you changed or added; it's not necessary to give us all the database layouts or other files.

IMPORTANT: in the Conclusions section of your report, talk about how you might change the validation for your database forms. What would you change? Would you use a similar approach to how you changed the email forms? If yes, why? If not, why not and what would differ?

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