

## Contact Form Validation

In this assignment you will create a contact form and do form validation. Start by creating a form similar to the one at the bottom of this page <http://consulting.buildcannon.com>

Your form should look similar, and function similarly, including the obfuscated “Display Email Address” email link (we will discuss this in class). You are free to style your page as you like, so long as you conform to all the requirements (yes, style counts).

**Much of this assignment will be discussed in class.**

### Requirements

- You must have all the same fields as the example.
- For the user to submit the form
  - All fields are required.
  - The name, subject, and message fields only need to be non-blank, what's in them does not matter.
  - The email fields need to match.
  - You need to write some simple check that what is in the email field is an actual email address. This is a very difficult validation to make in reality, so for this assignment just make a simple check that if you have anything that matches xxx@xxx with no spaces, then it's a valid email address.
- You do not need to count characters like the example form, but you do need to restrict the message field to 1000 characters.
- You must write a custom reset button that does not use the “type='reset'” attribute.
- You may not use regular expressions to solve this assignment.
- You must print user friendly error messages that detail all the errors in the form, and will dynamically and accurately update each time the user presses submit. You do not need to write all errors in one place as in the example, you can put them next to or under the text boxes. Whatever makes sense for your design.
- You must in some fashion highlight the text boxes that contain an error, as in the example, and clear them appropriately to make the form dynamic.
- You may not use alert(). You must communicate to the user through the page itself.
- If the form contains no errors, you should clear the form, and tell the user that the message has been sent without reloading the page.
- Your contact form must be mobile-first, mobile-friendly, and responsive design.
- You must use proper coding, architecture, and modularity as explained in class. In the example, if you look at the JS code, you will see some of it “violates” some of the rules we discussed in class, so be careful to make sure your code conforms to good programming practice regardless of what the example looks like. This will be further discussed in class.
- You may not use any helper libraries or 3rd party code.

You are free to look at and learn from the code in the example. You are free to borrow portions. However, the example uses regular expressions, event handlers, jQuery, no intrusive JavaScript and is a fully functional form, so regardless of what you borrow, you will need to modify your code to not use regular expressions, not to use event handlers (i.e. you WILL use obtrusive JavaScript), not use jQuery, and simulate sending the email.

**If you want to use the example form to test how it works, put “testing” in your subject so I know it’s not a real email. Te example form works, and will send me an email. I will filter out emails that say “testing” so they don’t fill up my inbox.**

This assignment is due in two weeks. Some important things to note about that timeframe:

- It spans the Test 2 date. Make sure you work on it before the test as part of studying for the test, but you do not need to turn it in before the test.
- We will take a lot of time in class to work on this. This will be a more interactive and iterative assignment than past assignments. You should plan on taking class time to work on this, ask questions, work with me or other students.
- This assignment is the first “real world” code you are writing. As such, it will be very challenging. Allow the proper time and effort to complete the assignment.