Debugging Your HTML/CSS/JS/PHP Files

## Is the file in your browser the same as the one in your editor?

* 1. Change some obvious text in your editor and save (Ctrl+S or File -> Save)
  2. Refresh your browser (Ctrl+R or F5)
  3. Don’t see the changes in your browser? Check the URL carefully and compare it with the path to the file in your editor (shown in the top bar of the window; or File -> Save As… to bring up the dialog box that lets you explore where you are in the filesystem)

## Are you using the correct protocol?

* **file:///...** will load the file directly from your hard drive (bypassing Apache)
* **http://localhost/...** will load the file from your local Apache web server
* **http://pbcs.us/~...** will load the file from your cloud account

## Is your HTML valid?

* 1. View Source with Firefox’s to see HTML Validator’s results
  2. Fix any formatting errors and return to Step (a)
  3. Click each link (particularly CSS and JS). If any are 404 (not found), fix them, upload if necessary, and return to Step (a)

## Do you have JS errors?

* 1. Enable the debugger in your browser (Firefox/Chrome/IE on Win: F12; Mac: Cmd+U)
  2. Click the Console tab
  3. Show errors
  4. Fix any JS errors, upload your page if necessary, reload the page, and return to Step (a)

## Do you have PHP errors?

* 1. Make sure PHP is configured to show errors: in your php.ini file, error\_reporting should be set to On.
  2. If you don’t see any obvious PHP error messages in the browser, View Source and look for any PHP error messages there.
  3. Check Apache’s error log (error\_log) if it its accessible to you