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**EE447/547 HW4 - Spring 2012**

**Visible Code Listings**

You should add links to copies of your source (if not visible by “View Source”) on the initial data entry screen. Your source code should be viewable in the browser WITHOUT the need to download it first.

**Simple JavaScript calculator**

Create a prototype application that will perform the binary operation add, subtract, divide, multiply, AND, and OR between an item in the Y text box and the X text box. Treat non-zero numbers as true and zero false for the AND and OR operations. Show 1 or 0 as the numeric result on those boolean operations. An example calculation with y = 10 and x = 3, is to return 1 as the answer if modulus is requested. You are constrained to write this as a client-side only application to do these calculations. Provide an answer in a form so that the answer is in Y ready for another X to be entered to continue the calculation. All pages should validate (some have found HTML 4.0 and HTML5 easier to achieve than XHTML 1.1).

Make sure submission works in both Firefox and one other browser (your choice which but state which one.)

**Submission**

As previously, when you have completed the assignment, submit the URL of the calculator page as HW4 in Blackboard Vista. Be sure that either this page has links to all the required pages (except the page that occurs as a response to hitting a submit button.)

* Use the “Assignments” tool that can be accessed clicking on “More Tools” in the upper right of the class page of Blackboard Vista.
* Submit the url of your assignment as text in the message part of grading assignment being sure to 1) include http:// in front of the URL (to make it a URL) and 2) check that this URL is a correct URL.
* The assignment is due at the start of class on the date noted on the syllabus. An automatic extension to 11:59pm of the same day is available by attending class that day.
* The web pages must not be modified after they are submitted for grading.

*Web Page:* http://www-ece.eng.uab.edu/DGreen/ee447/hw4.html [.](http://validator.w3.org/check?uri=referer)  
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