**CS230 Laboratory Assignment (Week VI) (Tuesday & Wednesday)**

by [John Keating](https://2016.moodle.maynoothuniversity.ie/user/view.php?id=14329&course=1081) - Wednesday, 9 March 2016, 9:37 AM

**CS230 Laboratory Assignment**

(i) You are required to develop an HTML/CSS/JS application that realises a version of the “*Catch it, Check it, Change it*” diary from the BBC’s Health Website:

<http://downloads.bbc.co.uk/health/factsheets/catch.pdf>

The blank diary sample is on page 3 of the document. Your submission should include two dive elements, one which collects and saves diary entries using a “Save Entry” button, and a second which displays the diary entries using a “Show Diary” button.

You should implement an HTML form element to collect diary entries. Your form and diary listing should be styled using CSS, and the form should be processed using Javascript. Please note that this is NOT a server-side assessment. You should store submitted diary entries using cookies.

(ii) Processing client side forms can be problematic as they are intended to redirect to a form processor residing on some server. So you will need to circumvent this normal process. The following sample form illustrates how to achieve client-side functionality. Please feel free to use this code in your submission.

HTML:

<form name="name" onsubmit="return doSomething();" >

Label: <input type="text" name=“somename” id="frm\_somename"/>

<input type="submit" name="Submit" value=“Save Entry”/>

</form>

JS:

function doSomething() {

// get the data from the form

var fname = document.getElementById("frm\_somename”).value;

// the rest of your code is here

…

// return false to stop form going somewhere - NB

return false;

}

Please refer to the W3 Schools Cookie processing with Javascript Tutorial. Hint: You don’t need to type in the date manually in the first column as this can be achieved with Javascript!

(iii) This is an open-book, graded assignment. You can use any resource available on the web, or in a textbook to help with the assignment. You must not engage with another student, in person or electronically (phone, web, etc.) to secure assistance with this assignment. If you do so you will receive an automatic fail (0%) as will submitting someone else’s work. A reasonable attempt at this assignment will gain you 5% of your continual assignment marks.

(iv) You should create a profile at jsfiddle.net to work on this assignment. You should submit the shared application link as part of the Moodle submission at the end of the class. Be sure that you share this link correctly. You should use the W3 Schools HTML, CSS and JS resources to help with this assignment. Copy and re-work the code provided to build a solution.

(v) If you finish early, then try the following (if you wish):

(1) For extra credit (1%), you could provide a list of previous, or known emotions in addition to the blank input element. You can find a list of emotions here (<https://simple.wikipedia.org/wiki/List_of_emotions>) or here (<https://s-media-cache-ak0.pinimg.com/originals/c3/a4/56/c3a4568b15a1301240c27d20f651c12f.gif>).

(2) For extra credit (1%), you could provide emoticon images together with textual descriptions of emotions for both entry and diary display. You can find a list of emoticons here (<http://parenting.stackexchange.com/questions/18281/list-of-emotions-to-teach>).