# Your Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Lab 1a: to be done in class with a partner – due at the end of this lesson

Create two files: one HTML file, and one JS file.

The HTML file has a link in its head section to the JS file.

The HTML file has a <noscript> section in its body, enclosed in <p> tags, which advises the user to “enable javascript”.

The HTML body also has an image whose source is the image of a dog.

The JS file uses DOM 0 code to change the source of the image to a cat (everybody knows that cats are better than dogs; for instance, they are way smarter).

The JS file also has the following messages to the user:

* If the user is using firefox (hint: look at the navigator.userAgent property), ask them “What does the fox say?” in an alert dialog box.
* If the user is using chrome, ask them if Google really does any evil.
* If the user is using Internet Explorer, ask them what is Bill Gates’ net worth.
* If the user is using any other browser, just report its navigator.appName.

Demonstrate your completed project to your instructor. When your instructor is satisfied, zip and upload your entire folder to BCIT’s SHARE/IN server (I:/COMP/1911/lab01 folder). Include your HTML file, your JS file, your two images…all in a folder with your own name as its filename (see below). After that, your paper will be signed and you can go home. Lab 1b (below) is due at the next lesson, and there is also a quiz next day.

Checked by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**NOTE:** keep this paper for your instructor to verify your grades later in the course.

NOTE: zip your whole project (folder) and upload it to BCIT’s SHARE/IN server: (I:/COMP/1911/lab01).

Name your lab exactly as follows:

lastname-firstname-lab-#.zip

Example: **woods-tiger-lab-1a.zip** or **sheen-charlie-lab-1a.zip**

NOTE: EVERY SINGLE STUDENT MUST SUBMIT THIS LAB AND GET HIS OR HER PAPER SIGNED….

# Lab 1b: at home, alone – due next class (in person at the end of NEXT lab)

**Sign up for an account at jsfiddle.net.**

Create a plain-text file using Notepad or some plain text editor. Name the file with your own name (e.g. Tiger-Woods-lab1b.txt or Charlie-Sheen-lab1b.txt).

In your text file, write a paragraph on each of the following topics:

1. What is jsfiddle and why use it? What is your username there?
2. What are five very good Firefox or Chrome plugins for a javascript developer to use, along with a brief description of each in your own words.
3. List three things that JavaScript is not permitted to do, which we have not covered yet in class.
4. Write a one-page HTML page with JavaScript in its head section that alerts a couple properties of the document object (investigate this yourself), and also has JavaScript in its body section that uses DOM 0 to change the document.body.bgColor of the page. Name this HTML page with your own name (e.g. Tiger-Woods-lab1b.html or Charlie-Sheen-lab1b.html).

This take-home lab is due next class. Finish it before next class (on your own…no partner) and bring it in person so your instructor can review it with you during the lab period after the lecture. Do not upload your lab to BCIT’s server until your instructor has reviewed it in person with you (NEXT lab).

Checked by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**NOTE: AFTER YOUR WORK HAS BEEN CHECKED AND YOUR PAPER HAS BEEN SIGNED (i.e. in the NEXT lab)**, also upload your text file and HTML file to BCIT’s SHARE/IN server (I:/COMP/1911/lab01).

Name your labs as follows:

lastname-firstname-lab-#.zip

Example: **woods-tiger-lab-1b.zip** or **sheen-charlie-lab-1b.zip**