**COMP1710: Lab 7   
Good and Bad Web Design & Phishing**

**Part 1: Good and Bad Web Design**

**Objectives**

Gain an immediate and practical appreciation of good design, and have some fun.

**Tasks**

**Task 1: Review**

Make sure you have read all the online lecture notes on Wattle. In particular, some elements of design to consider are:

* How the information is presented / organized (user side / internal organisation)
* What buttons and functions are available to the user and when they are available to be used
* What the underlying behaviour of the system is
* What information and controls are available to other users, such as the admin. staff, super-users, supervisors, executive overview, editorial correspondent, etc
* The content and layout of standard printouts available from the system
* Any other printed/printable material accompanying the system (e.g. patterns, flashcards, CD covers, etc.)

**Task 2: Create a 'bad' version of your web site**

This task is to create a copy of your home page (index.html) as a separate page (eg bad.html), and make changes to it which makes it still usable (by you), but is really, really bad from a design viewpoint.

The 'bad' web site should have 6 design flaws. Please note that I do mean design flaws (meaning mistakes in web design or lack of usability), not simple and obvious errors, such as broken links or empty pages/content.

**Task 3: Document the design flaws**

Creating web pages with design flaws is easy, and is done all the time, by people all over the world.

If you document which design flaws you intend to make, we can be sure which flaws you are aware of (and maybe help you identify the ones you didn't intend to make :-).

Your description of the design flaws should be among your bad pages. As part of these descriptions, please indicate how you use the new page if it’s not obvious.

Don't forget to have a link from your assignment.html web page to your new BAD web page i.e. to public\_html/bad.html file to access the bad pages. The bad page is NOT part of your assignment but this is a good place to link it in.

**Task 4: Find an example of a design flaw on the web**

Provide a link to a page which has a design flaw you particularly dislike, explain the design flaw, and provide an example of another page which doesn't have this flaw and (briefly) explain why the second page is better from a design or usability viewpoint.

**Part 2: Phishing**

**Objectives**

Raise your awareness of internet security issues.

**Tasks**

**Task 1: Review**

Make sure you are up to date on course online notes.

**Task 2: Anti-phishing videos**

You might like to watch a youtube video on anti-phishing such as [Phishing: would you fall for that?](https://www.youtube.com/watch?v=auvXhfuLHHw), [Phishing and Little Red Riding Hood](https://www.youtube.com/watch?v=HUUDOZthaaw&feature=endscreen&NR=1), or others. If you find one you think is particularly useful, please post it on the student forum.

**Task 3: Explore online protection tools and services**

Protection against ISP tracking -visit [**Tor**](https://www.torproject.org)**,** free software which prevents ISP tracking by routing through a server network with cryptography (Normally data packets indicate the IP address of the last server it passed through.)

To learn more about tracking users without cookies: "[**secret recipe behind undeleted cookies**](https://www.theregister.co.uk/2011/08/16/cookie_respawning_secrets_revealed/)" e.g. web cache validation [**ETag**](https://en.wikipedia.org/wiki/HTTP_ETag)**.** See also "[**Five ways to avoid being tracked on the Web**](https://www.cnet.com/how-to/five-ways-to-avoid-being-tracked-on-the-web/)"

**Task 4: Reflect**

This task is most easily done in parallel with the other tasks.

Reflect on (think about) what you've learnt in this lab.

In Assignment Part 3 you will be providing some reflections in your website, so you might like to make a note about your thoughts on good/bad design to include in your reflections.