

# Lab 1

**\*\*NB: All blogging must be your own work. There should be no copying and pasting from websites, colleagues or anywhere else.**

## Part I – Beginning Web Development



1. Create a **blog** to document your *Web & User Interface* lab work.
  - Use Blogger - <http://blogger.com> to set up your own blog. Follow their instructions to establish your blog. Send the link of your blog by filling up the form on Week 1 of the Brightspace module (eg. **yourname.blogspot.com**)
  - Your blog will be the place where you record information from your labs (not your html code, though snippets of html maybe required).



2. Create a **Twitter account** (if you don't have one) on <http://www.twitter.com> and follow **dt265**. I have posted many relevant articles in the last day.



*(record in blog)*

3. Read the following article:

<https://www.invisionapp.com/inside-design/wireframe-prototype-difference/>

- a. In ChatGPT, investigate the disadvantages of using wireframes and prototypes. Copy and paste the output of ChatGPT into your blog
- b. Based on the article you read in 3(a), do you agree?

*(record in blog)*

4. In ChatGPT, research the most common web design mistakes. From your investigations:

- a. Choose **three** design mistakes that resonate with you.
- b. Find an article that corroborates the three design mistakes that you have identified.

## Part II – Starting Coding

Before you start coding read the following:

<https://www.freecodecamp.org/news/common-mistakes-beginning-web-development-students-make/>

Have a read of the following website: [http://www.w3schools.com/html/html\\_basic.asp](http://www.w3schools.com/html/html_basic.asp)  
Use the html tool [http://www.w3schools.com/html/tryit.asp?filename=tryhtml\\_basic](http://www.w3schools.com/html/tryit.asp?filename=tryhtml_basic) to do the following exercises:

1. Display “Hello World” using HTML.
2. Use *header tags* (<h1>-<h6>) in this web page.
3. Illustrate the use of <a> (*hyperlinks*) in your web page.
4. Introduce *anchors* (using <a>) into this web page. In doing this use the *paragraph tag* <p> and the *line-break tag* <br/> to format your text.

**If you are coding in a text editor, the starting point for your html file should be the htmltemplate file in Brightspace.**

## Part III – Analysing the UI (*record in blog*)

1. Analyse the following websites with regard to **usability** in general (from your point of view)

Technical University Dublin - <https://www.tudublin.ie>

Technical University of the Shannon - <https://www.ait.ie/>

South East Technical University - <https://www.setu.ie/>

2. Analyse all websites using this validator <http://ready.mobi/>
  - a. What did they look like?
  - b. How did they score?
  - c. What are the main problems with each of the three websites?
3. Analyse all websites using this tool <http://wave.webaim.org/>
  - a. How accessible are each of the three websites?
  - b. What are the problems in each of the three websites?
  - c. Are there similar problems in all three?