Lab 4

This is the last lab that will be marked. It must be completed by Friday October 23rd .

Part I – Coding a Fish Creek Website

1. Alter your Fish Creek code (from previous labs) to use the following:
   a. Classes and ids
   b. Centring layers
   c. The **position** attribute
   d. The **float** attribute

   Ensure No. 1 is complete before you answer 2 & 3.

2. Test your code with the HTML validator (http://validator.w3.org/) and the CSS validator (http://jigsaw.w3.org/css-validator/). *(record in blog)*
   a. What are the problems that are highlighted?
   b. Were you able to fix them?

3. Test your code across at least three browsers. *(record in blog)*
   a. Were there any?
   b. If so, were you able to fix them?

4. Try the following CSS game: *(record in blog)*
   http://flukeout.github.io/
   a. What level did you get to?
   b. What did you learn from the game??

Part II – Web Development Tools *(record in blog)*

1. Look at the "Developer Tools" in the Chrome Browser and answer the following:
   a. What does your page look like from a mobile perspective?
   b. What will you use this tool for when developing a website?

2. Research and describe **one** other extension/add-on that could be helpful when developing a website for **each** of the following browsers:
   a. Firefox
   b. Chrome

Part III – Perception, Attention & Memory *(record in blog)*

3. **Visual perception (attention and memory)**
   a. Play the following games - https://www.freebrainagegames.com/
      i. Comment on how you did overall.
      ii. Comment on what strategies you used to get the best score you could.

4. **Visual memory** – play the following game:
   https://www.proprofs.com/games/pattern-memory/
   - Comment on how you did.
   - Did you use the *Gestalt principles* (https://www.interaction-design.org/literature/topics/gestalt-principles) during this game?
   - How can this exercise help you as an interaction designer?

5. **Testing attention & working memory** – do the following activity:
   http://www.sharpbrains.com/blog/2006/09/28/attention-and-working-memory/
   - How selective was your attention?
   - How is this relevant to HCI?