# CPSC 2030 – Web Development II

**Lab3: [30 marks] Modify a website with advanced layout and CSS animation**

|  |
| --- |
| **Objectives** |
| * Modify a website using flexbox and grid * Add transition and animation to the website |
| **Preparation** |
| 1. Create a new folder named **Lab3** under your CPSC2030\Labs folder. |
| **What to do** |

**Copy the Future Buy website from Lab1 to the new folder Lab3. Modify this website by using flexbox and grid. The new website page layout should be the same as the previous version, which was implemented using float.**

1. Use flexbox to arrange the three columns (nav, main, and hot deal) into one row.
2. Use grid to arrange the two images under the main section of the home page into one row.
3. Delete the submenu under Categories. Add transition to the background color of the main menu items. When the mouse hovers over them their background color changes from the original color to yellow in 2 seconds.
4. For the two images under the main section of the home page, when the mouse hovers over, their sizes scale up to 1.1 times of the original size in 0.5 seconds.
5. For better animation result, replace the body background image with the new image named **inspirationgeometry.png** (download it from D2L). Animate the background image to move from left to right in 50 seconds and repeat forever.
6. Replace the header background image with the new image **inspirationgeometry.png**.Add the two category images (drone.gif and robot.gif) to the header area, move them from left to right, then back from right to left, and repeat forever. Add hyperlinks to these two images so that they link to the respective pages
7. Make the necessary changes to the mobile version so that it works well with all the changes made above but hide the two animating images in the header area and the body background image.

|  |
| --- |
| **What to hand in** |
| * Zip your Lab3 folder and upload it to BrightSpace. |
| **When to hand in** |
| * By 11:59pm, Sunday, September 25, 2022 |