**INFO-3111 Summer 2024 – Checkpoint #3**

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| **Due:** At the start of class, 12:00 PM (“noon”) Thursday, May 16th, 2024 |
| **Submit:** Your ***video*** to the submission folder in FOL |
| **Worth/weight/mark value:** approximately 1%  (There will be up to 12 checkpoints, *all together worth 10%*, and the lowest two marks (including marks of zero/no submissions) being dropped (not included in your mark). |

Show at least five (5) **wireframe** models in a simple “scene”.

Add camera controls so you can move around somewhat.

The details:

* There must be at least three (3) *different* models. (i.e. they are different files)  
  (Since there’s five (5) in total, you can repeat some of them)
* They must be different colours.
* Use the keyboard to move the camera around. You need to be able to move on both directions on all three (3) axes. Wireframe (*not* “solid”) rendered with depth sorting on.
* BONUS #1 (worth an additional 25%):
  + **One of the models** has random colours on each vertex.
* BONUS #2 (worth an additional 50%):
  + **One of the models** has a “rainbow” or gradient effect along just one of the axes.   
    There needs to be at least five (5) different colour “bands” across the model, as if there’s a set of coloured stripes along the model.   
    Note: It doesn’t have to be the “correct” rainbow colours or order of colours: what I’m looking for is that there’s clearly separate bands of colours that gradually change.  
    Here’s a photo of a real rainbow from a lawn sprinkler: <https://lh3.googleusercontent.com/proxy/YzSZlU9YA9R5d2VwGLhwMZNmFHOE92a1hC1cq_BdN5jekHFl_FiZxaGj5K5c8afDGaugf__1Rx5N1Kpikuy7DmD-Y0rJajL_WLgeI_W64OyTRZgMeTzjrmshxjWV8ZxooPgpcRrt>

Submit a short **video** showing:

* Visual Studio running with your code.
* Somewhere on the screen it should have your name, student number, and date & time.
* The program starting and showing the model.
* Move the camera around the scene, showing your masterpiece.