**Friday 7th December 2018**

**Work Completed This Week**

I am now nearing the end of the development cycle of my product and am have mostly finalized everything. The only thing I had to do this week was to fine-tune the software and attach the wall mount to the back of this display. I have done both of those things, but as usual, I did run into some challenges.

**Challenges/Difficulties Faced**

While I was testing and fine-tuning the software on the mirror, I noticed something. The first thing was that the edges of the mirror, near the frame, were actually completely see-through. This was because the monitor was actually slightly smaller than the mirror, which is why the empty space was just transparent. This was easily fixed by super-gluing some black poster paper on the areas that were not covered by the monitor, this was a surprisingly elegant solution, as the paper blended in perfectly with the bezel of the monitor.

The second issue that I noticed was that the monitor produced a significant amount of backlight ‘bleed’. Since this actually related to one of the student-designed criterion I created, this issue suddenly became a priority. Although it isn’t perfect, I managed to create a ‘band-aid solution’ to the problem that fixed it to a certain extent. I did this by adjusting the colour saturation, contrast ratio and brightness of the display, which is a lot more difficult to adjust in a relatively small and unknown Linux distribution like this one, compared to an operating system like Windows. This problem wouldn’t have been an issue if I had used and OLED panel for my display instead. However those are extremely rare and expensive, which make it less than ideal for this type of project.

**Resources Consulted**

N/A

**Evaluation of Progress**

I have completed everything that I set out do and am looking forward to presenting it to my supervisor and eventually everyone else, on the day of the exhibition.