**Thursday 20th September 2018**

**Work Completed This Week**

After a conscientious evaluation of each of the methods of user interaction, I have finally decided on one. I decided that because this was a smart mirror and not just a home computer that displays to a mirror, its primary function should be to display basic information, while still functioning as a mirror. For this reason I concluded that my choice didn’t need to be something that user interacts with frequently, only that it is a fool-proof, reliable and simplistic way of interacting with the mirror, on the rare occasion that you would actually need to do so. After taking all of this into consideration, the only suitable device seemed to be the keyboard and mouse. The user wouldn’t even need to use the keyboard and mouse on a regular basis, only when troubleshooting or adjusting a certain aspect of the mirror. Initially gesture controls seemed like a good option, but the complexity and cost to functionality ratio outweighed all the positives.

**Resources Consulted**

Tobias Weis. 2016. Smarter SmartMirror. [ONLINE] Available at: http://blog.tobias-weis.de/smarter-smartmirror/. [Accessed 5 September 2018].

Jon. 2018. How To: Make a Touch Enabled Smart Mirror. [ONLINE] Available at: https://www.magicmirrorcentral.com/magic-mirror-touch-screen/. [Accessed 5 September 2018].

**Challenges/Difficulties Faced**

The main challenge I faced this week was to accurately compare the pros and cons of each of the user interface devices, using reliable sources only.

**Evaluation of Progress**

I am satisfied with my progress thus far and hope to continue work on my project at a moderate pace.