**Wednesday 5th September 2018**

**Work Completed This Week**

After a meticulous re-evaluation of my action plan, I have come to the conclusion that it is not necessary to begin work on the physical product just yet and that I could produce a better final product if I took some extra time to carefully plan every little aspect of my product. One such aspect I have been looking into has been on the user interface side of things. I have yet to decide on a feasible method of interaction with the mirror. Some ideas I have been considering include:

* Gesture control (using a camera and hand tracking software)
* Touch controls (either using a capacitive layer above the actual mirror or by using a product like ‘AirBar’)
* Keyboard and mouse (easy to setup, more appropriate when there is limited user interaction, i.e. if the mirror is mostly used for checking the weather, news, time and other basic information)

I will decide on a user interface in my next journal entry and use this time to carefully evaluate each of the options’ pros and cons.

**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].

-. 2018. AirBar Webpage. [ONLINE] Available at: https://air.bar/. [Accessed 5 September 2018].

**Challenges/Difficulties Faced**

The main challenge I faced this week was making the decision to re-evaluate and revise my action plan, so that I can end up with an overall better and much a more refined final product.

**Evaluation of Progress**

As of now, I am satisfied with what I have achieved and hope to start work on the physical product sometime near the end of October or the beginning of November.