For the first week of this project I thought it would be pertinent to look into the past projects on emotion recognition to see what work has already been done in this space, and how we can build on this. Firstly, I looked into what emotions are usually classified. Commonly, “all six universally recognized principal emotions namely angry, disgust, fear, happy, sad and surprise along with neutral one are recognized.” (1). These six emotions seem to be what most Facial Recognition projects work with. I hope that we can accurately classify all six and potentially add a more nuanced emotion such as confusion or doubt. Another interesting feature I found was a project found at (2), where the application could tell, which emotions were seen in which proportions. So a person could be demonstrating two or more emotions at once, but how much of each emotion was displayed. This gave me an idea for a product where the tint of the screen changes color based on how much of each emotion is recognized. Many products differed in whether they classified in real-time or just a stationary image. My team and I agreed doing real-time recognition would be much more interesting, but we will have to look into the complications in doing the project that way.

(1): https://link.springer.com/chapter/10.1007/978-3-642-03202-8\_17

(2): <https://mixedemotions-project.eu/emotion-recognition/>