Names: Justin Kieu, Louis Yang, Sheng-Hung Hung

1. **What dataset have you chosen?**

   We went with the Celeb-A dataset that contains 202,599 images of 10,177 celebrities. Each image is at 178x218 resolution. We believe this dataset will work well to train our model as each larger image should work better.

2. **Explain the details you have learned from your chosen algorithms?**

   We learned more about setting up the generator for the images and the discriminator to determine if the image is fake or not. Sheng-Hung set up the GAN model on google colab for us to work with. Justin and Louis both looked for a very small dataset to just run a test with Sheng's GAN model. Justin and Louis afterwards looked towards setting up the spectral normalization for the generator and discriminator. We plan to run another test with the same small dataset that we found to test if the spectral normalization works.

3. **Have you read any new publications? What are those?**

   We have not ready any new publications about SAGAN specifically. We have skimmed through other articles Generative Adversarial Networks though. We are reading many different websites about the results of SAGAN and the results of the algorithm.

4. **Any challenges you faced during this week? If so, how are you planning to resolve it? Any solutions or ideas?**

   A challenge we ran into this week was trying to determine what dataset we were going to use. Many websites that we visited were using 100,000+ image datasets that would take a while for the model to learn. We just discussed potential datasets that would work and we came to the conclusion that larger and clearer images would work. We scanned through websites to find a dataset that would be smaller but still fit our criteria.