**Statement of Contribution**

**Members:** Choy Jee Hung Caleb (p2341475), Adam (p2317425)

**Class:** DAAA/FT/2B/23

**Part A (GAN):**

**Background Research/EDA:**

* Everything: Caleb (Code + Markdown)

**Preprocessing:**

* Oversampling: Adam (Code +Markdown)
* The rest: Caleb (Code + Markdown)

**Model Building:**

* DCGAN:
  + Model: Adam (Code + Markdown)
  + GIF: Caleb (Code)
* CGAN:
  + Model: Caleb (Code + Markdown)
  + GIF: Caleb (Code)

**Model Improvement:**

* Label Smoothing
  + DCGAN + CGAN: Caleb (Code + Markdown)
  + GIF: Caleb (Code)
* Feature Matching
  + DCGAN + CGAN: Caleb (Code + Markdown)
  + GIF: Caleb (Code)
* Spectral Normalization
  + DCGAN + CGAN: Caleb (Code + Markdown)
  + GIF: Caleb (Code)

**Image Generation:**

* Specific Class
  + Caleb (Code)
* All Classes
  + Caleb (Code)

**Conclusion:**

* Everything: Caleb (Markdown)

**Part B (RL):**

**Background Research/EDA:**

* Everything: Adam (Code + Markdown)

**Model Building:**

* Base DQN:
  + Everything: Caleb (Code + Markdown)
* PP0
  + Everything: Adam (Code + Markdown)

**Model Improvement:**

* Improved DQN:
  + Everything: Adam (Code + Markdown)
* Improved PP0
  + Everything: Adam (Code + Markdown)

**Slides (GAN+RL):**

* Everything: Caleb, Adam. (Did it at the same time, 50%/50%)