Joining Google Collab:

Intro:

We have decided to use Google Collab (GC) as a storage/working area for our code. We decided this because GC allows for multiple users to all work in the one space and share code easily. It also allows users without strong computers to be able to train and test model on Google's servers. It also comes with a lot of libraries pre-installed so it saves the hassle of having everyone install Anaconda, Python and Tensorflow on their separate computers. The IDE itself also allows for users to be able to run separate segments of code without running the whole script.

Steps For Creating A Notebook:

1. Create an Account for Google Collab at: https://colab.research.google.com/
2. Create a new notebook (In Top Left)
3. Gather emails of other teammates
4. Go into share section of notebook (Top Right)
5. Share to other teammates, making sure they're set to editor

Steps for Joining A Notebook:

1. Create an account for Google Collab at: https://colab.research.google.com/
2. Log into Google Collab
3. Copy Link Received In Email into browser (Login again if necessary)

Getting Tensorflow through Anaconda:

Intro:

We have also decided to use Anaconda to download TensorFlow on teammates computers who have good GPU's. This is because it is much faster than the free version of Collab so the models can be tested and produced faster. It also allows us to install packages that may not be on Google Collab and allows us to control what version of packages we install

Steps For Downloading Tensorflow Through Anaconda:

1. Download the latest Anaconda version from: https://www.anaconda.com/downloads
2. Follow the install instructions which mainly consists of clicking next on the installer
3. Once Anaconda is installed open up "Anaconda Prompt"
4. Make sure you have python installed by typing '*python*'
5. If Python Isn't installed install either using Pycharm or Visual Studio, or users' choice of IDE
6. Once Python has been installed and checked, input in the Anaconda Prompt '*conda create -n yourenvname python=x.x anaconda*', where yourenvname is the name you want to call the environment and x.x is the version given from '*python*' input

7. Then input '*activate yourenvname',* you should notice the (base) change to (yourenvname)
8. Once Inside your environment install tensorflow using 'pip install --ignore-installed --upgrade tensorflow-gpu', (remove -gpu if you want to use CPU version)
9. Using your respective IDE change the python interpreter to your eniviroment