Requirements

- Network types
 - Convolution layers
 - Fully connected layers
 - An Auto-encoder
 - Combination of above or any others
- Weights
 - Pre-trained
 - Scratch
- Performance evaluation (preferably plots)
 - Error rates
 - ROC curves
 - Accuracy
 - Precision
 - Recall

Creativity will be rewarded: * Visualize intermediate outputs * Show failed samples

NOTE

- Parameters
 - number of layers
 - non-linear activation functions
 - loss functions
 - types of pooling
 - spatial extent (size)
 - number of filters
 - learning rate
 - batch size
 - no of epochs
 - kernel size

Report

Model

- summary/picture
- Parameters
 - Types
 - Convolution Layers
 - Fully connected Layers
 - Auto-encoders
 - Mix
 - Model
 - number of layers
 - non-linear activation functions
 - loss functions
 - types of pooling
 - spatial extent (size)
 - number of filters
 - learning rate
 - kernel size
 - Training & Testing params
 - batch size
 - no of epochs
- Results
 - Pictures
 - Visualize intermediate outputs
 - Show failed samples
 - Confusion matrix
 - Plots
 - Error rates
 - ROC curves
 - Accuracy
 - Precision vs Recall
- Explain results