**feature\_extractor.py**

This will give all images into VGG16 model and extract the penultimate layer feature maps into a dictionary.

**description\_extractor.py**

This will load all description of images and clean it and create a file with image identifier and descriptions

**main\_model.py**

This creates the LSTM model. It encoded clean descriptions into sequence of numbers and provide image descriptor with this sequence to LSTM to train and save models after every epoch

**evaluate\_model.py**

This will evaluate a model by generating descriptions for all photos in the test dataset and evaluating those predictions with a standard cost function.BLEU scores are used in text translation for evaluating translated text against one or more reference translations.

**description\_generator.py**

Given a image as input this generates a description for it.