Readme

Dependencies:

1. !pip install -q git+https://github.com/huggingface/transformers.git
2. !pip install torchvision
3. !pip uninstall cublas\_cu11
4. !pip install transformers

Files and Folders:

1. subSelectBirdImages.py
   1. **run cmd:** python3 subSelectBirdImages.py ./images/bird-1.jpeg ./images/bird-2.jpeg …and so on
   2. **output:** 5 selected filenames will be printed in the terminal
2. subSelectSquirrelImages.py
   1. **run cmd:** python3 subSelectSquirrelImages.py ./images/squirrel-1.jpeg ./images/ squirrel -2.jpeg …and so on
   2. **output:** 5 selected filenames will be printed in the terminal
3. segmentBirds.py
   1. **run cmd:** python3 segmentBirds.py ./images/squirrel-1.jpeg ./images/ squirrel -2.jpeg …and so on
   2. **output:** segmented and masked images will be put in folder “birdmask-images”
4. segmentSequirrels.py
   1. **run cmd:** python3 segmentSequirrels.py ./images/squirrel-1.jpeg ./images/ squirrel -2.jpeg …and so on
   2. **output:** segmented and masked images will be put in folder “squirrelmask-images”
5. replaceBirds.py
   1. **run cmd:** python3 replaceBirds.py
   2. **output:** bird replaced and masked images will be put in folder “birds-replaced”
6. removeSquirrels.py
   1. **run cmd:** python3 removeSquirrels.py
   2. **output:** bird replaced and masked images will be put in folder “squirrels-removed”
7. generateBirdFeederImagesFromText.py
   1. **run cmd:** python3 generateBirdFeederImagesFromText.py
   2. **output:** bird replaced and masked images will be put in folder “generated-images”