Please read this entire prompt!

Assignment:

1) Extend your project 3 to having timing information
   a. The timings should be added to logger
   b. The timing for each Execute method should be logged individually
      i. Note: if you do the inheritance stuff cleverly, you should only have to add two gettimeofday calls total

2) Run a small performance study using your time
   a. Create the following pipeline: one source that creates a solid red image, one source that creates a solid blue image, and one Blender (who’s inputs are the red image and blue image).
   b. Run the program multiple times. The first time make the solid colored images be 250x250. Then 500x500. Then 1000x1000. Then 2000x2000. Study the timings.
   c. Write a short report (i.e., several sentences) about your findings. Please do not use MS Word or RTF. This short report should be in a text file, so that I can easily view it with my “vi” program.