CIS 330: Project #4C
Assigned: June 4\textsuperscript{th}, 2017
Due: June 9\textsuperscript{th}, 2017

Note: no late penalty will be applied to this project, as long as it is submitted by June 13\textsuperscript{th} (meaning 6am on June 14th). \textit{No work will be accepted after this time, even for half credit.}

Worth 3\% of your grade

\textit{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 \texttt{Execute} method should be logged individually
      i. Note: if you do the inheritance stuff cleverly, you should only have to add two \texttt{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.