**Lab 5 Canny Edge Detection Part 1**

[Lab 5 Canny Edge Detection Part 1](https://fcps.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_1516674_1&content_id=_43601203_1&mode=reset)

Create a file named l051.cpp in which you create part1() method that:

a) that reads the file image.ppm (a p3 format, size may be variable) and converts it into 2 files:  
a) imageg.ppm = a gray version of the image implementing the algorithm discussed in class  
b) imagem.ppm = an image after you applied the sobell operator and a threshold  
  
Make sure your name is inside the cpp file you upload. Name your cpp file l051.cpp (lower case L and numbers zero five one).  
  
Upload when you submit the image you used (name it image.ppm), the cpp file you created and the filled document below.  
Your code may be run against other images for testing, so you should not hard code the size of the image since that information is already in the initial ppm file

Turn in a printout of the following document after you fill it:

[Project 5 Part 1 Canny Edge Detection with Sobel and single threshold.docx](https://fcps.blackboard.com/bbcswebdav/pid-44753256-dt-content-rid-50090292_2/xid-50090292_2) [Project 5 Part 1 Canny Edge Detection with Sobel and single threshold.docx - Alternative Formats](https://fcps.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_1516674_1&content_id=_43601203_1&mode=reset)