Assignment 2

A program was made that detected edges using Canny in OpenCV. The detected coordinates of edge pixels were input into an array. Then a process of RANSAC was started where 2 points from the array were selected and the number of inlying points were within the threshold.

This was iterated 200 times, with a threshold of 5 and a line crossing the entire frame was made from the points.
The program could produce a line that could follow an edge, such as a book on the screen as well as discover other straight lines in the background like a whiteboard for example.

The processing time was 0.038.

The average fps was around 30-40, thus it was decided that it was not necessary to take action to increase it.