One of the challenges I had while implementing a solution to this project is working on the point containment algorithm for rectilinear polygons. Trying to implement this algorithm taught me that it is even more difficult to implement an algorithm for point containment of a polygon since not every vertical or horizontal line has to meet at a 90 degree angle. I would say that reviewing the lecture slides and the in class lectures helped with this problem to an extent.

Below are three images, two show the project 1 code in the Eclipse IDE, and the other shows the map when the program is executed.

