--- Requires java window builder and java swing designer when compiled.

Three ways to use application:

1. **Run with no arguments**- Compile and run program with no arguments. It will run a test setting that I have hard coded.
2. **Run with Command prompt**- By typing in “cmd” followed by 16 number separated by spaces, for each corner point.

For example:

You have rectangle A with points and Rectangle B with points

(40, 0) (20,10)

(40, 40) (20,20)

(0, 40) (10,20)

(0, 0) (10,10)

The command after compiling would be java –jar PROGRAMNAME cmd 40 0 40 40 0 40 0 0 20 10 20 20 10 20 10 10

1. **Run with built in GUI**- For this mode simply type gui after the program name and a screen with pop up prompting you to insert the points of the rectangles. After inserting this information, a second screen will draw the rectangles and print a string telling you the condition of the rectangles.

For example:

The command is java -jar PROGRAMNAME gui

