Owen Shi

May 27, 2021

Code Verification Report

1. Test Plans and Results

I plan to use unit testing strategy and make sure every module and function works. Then test the entire system with the following expected functions:

1) Input: Inputs contain two rows of integers; each row has 8 integers representing the four coordinates

of the quadrilateral. The points will be connected via the order user enters the coordinates.2) Output: Output three results based on the input: Collided, Apart, and Coincide

2. Name of the software and revision being tested:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Input | Output | Comment |
| Detection.java | Enter X and Y Coordinates of two Convex Quadrilaterals in Connected Order Separated by Spaces | Collided, Apart, or Coincide | Exclude ‘donut’ shapes |
| LineSeg.java | Receive X and Y coordinates of two points | A vector | Constructs a vector given 2 points |
| Shape.java | Two quadrilaterials | Comparison results | Separate a shape into lines |
| Point.java | Receive X and Y coordinates of one point | A ‘point’ object | -- |

3. Tester’s name, date of test: Owen Shi, May 27, 2021

4. Any special tools, conditions, or configurations needed to perform the test: No

5. Test case descriptions, including expected outputs

• Actual results for each test case, including a “pass/fail” notation

This information is a subset of the information contained in the ATPR template provided in

Attachment C.