Quadrilateral Program

Black Box Test Plan

For each test case, fill out the inputs and expected results. Add the actual results from your program. Correct your program and rerun it until the actual results match the expected results.

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| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| rectangle  Test Type: EC, Requirements | Preconditions: Quadrilateral program is running  Test Steps:  Point 1 x y: 0 2  Point 2 x y: 6 0  Point 3 x y: 7 3  Point 4 x y: 1 5 | Rectangle  Drawing of the Rectangle is displayed | Rectangle  Draws and displays rectangle |
| 2 | Preconditions: Quadrilateral program is running  Test Steps:  Point 1 x y: 0 0  Point 2 x y: 0 5  Point 3 x y: 5 5  Point 4 x y: 5 0 | Square  Drawing of the square is displayed | Square  Drawing of the square is displayed |
| 3 | Preconditions: Quadrilateral program is running  Test Steps:  Point 1 x y: -1 -1  Point 2 x y: -5 -1  Point 3 x y: -6 -5  Point 4 x y: -2 -5 | Parallelogram  Doesn’t draw or display the shape | Parallelogram  Doesn’t draw or display the shape |
| 4 | Preconditions: Quadrilateral program is running  Test Steps:  Point 1 x y: 10 11  Point 2 x y: 11 12  Point 3 x y: 14 11  Point 4 x y: 11 10 | Kite  Doesn’t draw or display the shape | Kite  Doesn’t draw or display the shape |
| 5 | Preconditions: Quadrilateral program is running  Test Steps:  Point 1 x y: 1 2  Point 2 x y: 2 5  Point 3 x y: 5 6  Point 4 x y: 4 3 | Rhombus  Displays the drawing of the rhombus | Rhombus  Displays the drawing of the rhombus |
| 6 | Preconditions: Quadrilateral program is running  Test Steps:  Point 1 x y: 2 4  Point 2 x y: 3 8  Point 3 x y: 1 2  Point 4 x y: 9 9 | Other  Displays the drawing of the other shape | Other  Displays the drawing of the other shape |
| 7 | Preconditions: Quadrilateral program is running, can handle other than integer  Test Steps:  Point 1 x y: hello 0  Point 2 x y: 10 11  Point 3 x y: 12 13  Point 4 x y: 1 0 | Should prompt user for another input until integer given | Should prompt user for another input until integer given |