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Test Plan:

The tests were made to see if the TableSorter class works in most, if not all cases. The user will have six tests to determine if TableSorter works. The user will just enter the text file and the tests should be sorted.

Test1: This test case will determine if random numbers will be sorted in ascending order, even with the number having 5 several spaces in between it and the previous number.

8 9 5

8 3 87

56 82 0

Expected Output:

0 8 9

3 8 82

5 56 87

Test2: This test case will determine if a square 2x2 matrix with all the same values stay the same.

1 1

1 1

Expected Output:

1 1

1 1

Test3: This test will determine if a random set of large numbers in a square 4x4 matrix that will still be sorted in ascending order without problems.

1 25 87 894

7015 84 9699 0

59 684 84631 321

852 453 7 35

Expected Output:

0 25 87 852

1 35 453 894

7 84 684 9699

59 321 7015 84631

Test4: This test will determine if a ragged array will be sorted or give an error.

1 2 3

4 5

6

Expected Output:

Error

Test5: This test will determine if a square 3x3 matrix with negative values will be properly sorted.

-8 10 0

4 -25 74

96 -41 -7

Expected Output:

-41 -7 10

-25 0 74

-8 4 96

Test6: This test will determine if an already sorted square matrix 5x5 will stay the same and be in the same order.

1 2 3 4 5

6 7 8 9 10

11 12 13 14 15

16 17 18 19 20

21 22 23 24 25

Expected Output:

1 2 3 4 5

6 7 8 9 10

11 12 13 14 15

16 17 18 19 20

21 22 23 24 25