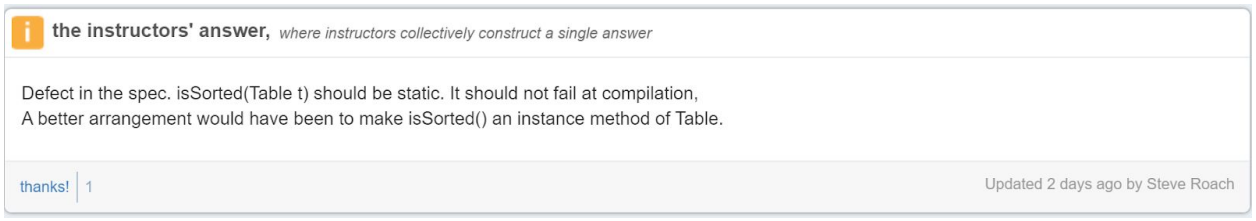
7305 Code Review

This code review highlights how well the code in question, 7305, was able to handle the test cases that were presented from test plan 6174. It is broken up into 2 sections and, as it was a black box test plan, does not take the implementation into account.

isSorted Test Results

Prior to discussing the test case results: an issue that occurred during testing was the fact that isSorted was not a static method, which according to Dr. Roach was what was intended.



This resulted in a compatibility issue during testing but ultimately, our team was able to recover from it and continue with the test plan.

isSortedwas put through 13 different test cases and successfully passed each of them. The basic functionality to return true and false were tested as well as being able to handler the largest/smallest possible integers and equal values sets as well.

Sortable Test Results

Sortable was put through 13 different test cases and successfully passed each of them. The basic functionality was tested with positive, negative, max, and min values within the table. Alongside that, the ability to keep pre-sorted arrays and complete array flips (sorting decreasing values tables to increasing values tables) was also tested.

Conclusion

In conclusion: I believe this code was well designed, at least from a blackbox perspective, as it was able to handle all the inputs from the test plan.