Alex Lundin

In class Assignment 5

The flaw in this testSort method is that we are only checking that the first item is in order. The rest of the list might be incorrectly ordered.

The RIPR model describes the four conditions necessary for a failure to be observed. **Reachability** happens because the fault in this test is on a feasible path. **Infection** results from the incorrect pass of this test case when the list is really out of order after the first item. **Propagation** occurs whenever the sort method sends a result to any other method, class or file after sorting a list that contains un-ordered elements after the first item. The **reveal** happens when the tester realizes that this test is flawed.

We could fix this test by checking if each item in the list is ordered. The simplest way to do this would be to compare the entire list with a toString method.