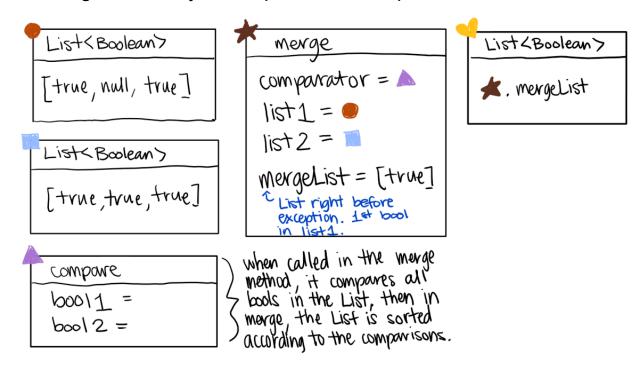
PA8 – Exceptions Memory Diagram Template

Output at command line with stack trace here

```
PS C:\Users\15624\OneDrive\Desktop\JavaProjects\CSE11\Assignments\pa8-starter-main> .\run.bat TestCompareLists
Tester Library v.3.0
Tests defined in the class: TestCompareLists:
TestCompareLists:
new TestCompareLists:1(
this.CL = new CompareLists:2())
Threw exception during test 22
java.lang.IllegalArgumentException: null value in first list
         at CompareLists.merge(CompareLists.java:254)
         at TestCompareLists.testMerge(CompareLists.java:340)
         at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:77)
         at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
         at java.base/java.lang.reflect.Method.invoke(Method.java:568)
         at tester.Tester$WaitForTest.call(Tester.java:372)
         at tester.Tester$WaitForTest.call(Tester.java:357)
         at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264) at java.base/java.lang.Thread.run(Thread.java:833)
Ran 22 tests.
1 test failed.
Failed test results:
--- END OF TEST RESULTS ---
```

Drawing of memory at the point the exception was thrown here



Screenshots of all method bodies and method calls from your code on the stack at the point of throwing the exception here (only include objects/arrays on the heap that are relevant for the method call(s) involved in the error). Make sure to show all the variables in use when the throw happens!

```
//method call with exception for stack trace
List<Boolean> exception = CompareLists.merge(new BooleanCompare(), 17, 18);

List<Boolean> 17 = Arrays.asList(true, null, true);
List<Boolean> 18 = Arrays.asList(true, true, true);
```

```
class BooleanCompare implements Comparator<Boolean> { //true > false
83
       public int compare(Boolean bool1, Boolean bool2) {
         if(bool1 == false && bool2 == true) {
           return -1;
86
87
         else if(bool1 == true && bool2 == false) {
           return 1;
90
91
         else { //equal bools
92
           return 0;
94
95
```