Bug Report

Document each bug found in the following format:

Bug Name:	getUser does not return a User
Description:	After trying to get the first User in the ArrayList, the method returned null. This was discovered by creating a new User that contained the same values as the first User in the ArrayList (this is my expected User). I created another user and set it equal to the first User in the List by calling get User (this is my actual User). I then used assertSame(expected, actual) to see if they were the same, but in the error report, it showed that my actual was null. This means my getUser method returned null incorrectly.
Test Case:	testGetUser
Location of error:	Users class, getUser method

Report:

```
testGetUser                                                                              Failed          0s

Message:
N/A
Stack trace:
java.lang.AssertionError: expected same:<User Name: 1111
Password: abcd> was not:<null>
    at org.junit.Assert.fail(Assert.java:89)
    at org.junit.Assert.failNotSame(Assert.java:829)
    at org.junit.Assert.assertSame(Assert.java:772)
    at org.junit.Assert.assertSame(Assert.java:783)
    at UsersTest.testGetUser(UsersTest.java:67)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.base/java.lang.reflect.Method.invoke(Method.java:566)
    at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
    at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
    at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
    at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
    at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
    at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
    at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
    at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
    at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
    at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
    at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
    at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
    at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
    at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
    at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
    at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
    at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
    at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
    at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
    at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:768)
    at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)
    at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```

Bug Report

Document each bug found in the following format:

Bug Name:	havePersonOfInterest does not return the correct boolean
Description:	In both the testHaveValidFirstPOI and testHaveValidSecondPOI, the tests fail. This means that the havePersonOfInterest method is not returning true when it should be.
Test Case:	testHaveValidFirstPOI, testHaveValidSecondPOI
Location of error:	PersonsOfInterest class, havePersonOfInterest method

Report:

```
∨ testHaveValidFirstPOI                                                      Failed          0s

Message:
N/A
Stack trace:
java.lang.AssertionError
        at org.junit.Assert.fail(Assert.java:87)
        at org.junit.Assert.assertTrue(Assert.java:42)
        at org.junit.Assert.assertTrue(Assert.java:53)
        at PersonsOfInterestTest.testHaveValidFirstPOI(PersonsOfInterestTest.java:37)
        at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
        at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
        at java.base/java.lang.reflect.Method.invoke(Method.java:566)
        at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
        at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
        at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
        at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
        at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
        at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
        at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
        at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
        at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
        at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
        at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
        at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
        at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
        at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
        at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
        at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
        at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
        at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:768)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```

```
∨ testHaveValidSecondPOI                                                     Failed          0.01s

Message:
N/A
Stack trace:
java.lang.AssertionError
        at org.junit.Assert.fail(Assert.java:87)
        at org.junit.Assert.assertTrue(Assert.java:42)
        at org.junit.Assert.assertTrue(Assert.java:53)
        at PersonsOfInterestTest.testHaveValidSecondPOI(PersonsOfInterestTest.java:44)
        at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
        at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
        at java.base/java.lang.reflect.Method.invoke(Method.java:566)
        at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
        at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
        at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
        at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
        at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
        at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
        at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
        at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
        at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
        at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
        at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
        at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
        at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
        at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
        at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
        at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
        at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
        at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:768)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```

Bug Report

Document each bug found in the following format:

Bug Name:	addPersonOfInterest not returning correctly
Description:	Not sure if the issue here is actually with the addPersonOfInterest method, since the test is using the havePersonOfInterest method, which has previously shown to have bugs. Either way, after adding a new PersonOfInterest to the poiList, my test cannot correctly determine if it is successfully in the list or not
Test Case:	testAddPOI
Location of error:	PersonsOfInterest class, addPersonOfInterest / havePersonOfInterest method

Report:


```
∨ testAddPOI                                                                          Failed              0s          🗏

  Message:
  N/A
  Stack trace:

  java.lang.AssertionError
      at org.junit.Assert.fail(Assert.java:87)
      at org.junit.Assert.assertTrue(Assert.java:42)
      at org.junit.Assert.assertTrue(Assert.java:53)
      at PersonsOfInterestTest.testAddPOI(PersonsOfInterestTest.java:59)
      at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
      at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
      at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
      at java.base/java.lang.reflect.Method.invoke(Method.java:566)
      at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
      at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
      at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
      at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
      at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
      at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
      at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
      at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
      at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
      at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
      at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
      at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
      at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
      at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
      at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
      at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
      at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
      at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
      at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
      at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:768)
      at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)
      at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```

Bug Report

Document each bug found in the following format:

Bug Name:	haveWitness method returning incorrectly
Description:	The haveWitness method only returns false, no matter what data we store in the witnessList ArrayList. I am not sure if it is not being saved correctly, not being initialized correctly, or not being checked correctly.
Test Case:	haveValidFirstWitness, haveValidSecondWitness
Location of error:	Witness class, haveWitness method

Report:

```
∨ testHaveValidFirstWitness                                          Failed          0s

   Message:

   N/A

   Stack trace:

   java.lang.AssertionError
         at org.junit.Assert.fail(Assert.java:87)
         at org.junit.Assert.assertTrue(Assert.java:42)
         at org.junit.Assert.assertTrue(Assert.java:53)
         at WitnessTest.testHaveValidFirstWitness(WitnessTest.java:36)
         at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
         at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
         at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.jav
   a:43)
         at java.base/java.lang.reflect.Method.invoke(Method.java:566)
         at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
         at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
         at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
         at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
         at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
         at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
         at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
         at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
         at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
         at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
         at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
         at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
         at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
         at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
         at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
         at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
         at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
         at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
         at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
         at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:768)
         at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)
         at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```

⌄ testHaveValidSecondWitness   **Failed**   0s

Message:

N/A

Stack trace:

```
java.lang.AssertionError
        at org.junit.Assert.fail(Assert.java:87)
        at org.junit.Assert.assertTrue(Assert.java:42)
        at org.junit.Assert.assertTrue(Assert.java:53)
        at WitnessTest.testHaveValidSecondWitness(WitnessTest.java:43)
        at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
        at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.jav
a:43)
        at java.base/java.lang.reflect.Method.invoke(Method.java:566)
        at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
        at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
        at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
        at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
        at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
        at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
        at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
        at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
        at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
        at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
        at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
        at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
        at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
        at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
        at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
        at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
        at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
        at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:768)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```

Bug Report

Document each bug found in the following format:

Bug Name:	haveSuspect method returning incorrectly
Description:	Since this method across all our classes has bugs, I think something is wrong with saving information to the ArrayLists. Unfortunately after looking over the code, I do not have any idea what is not functioning properly, but either way the haveSuspect method returns false no matter what. This means that both the haveValidFirstSuspect and haveValidSecondSuspect tests both fail.
Test Case:	haveValidFirstSuspect, haveValidSecondSuspect
Location of error:	Suspects class, haveSuspect method

Report:

```
∨ testHaveValidFirstSuspect                                    Failed        0s

    Message:

    N/A

    Stack trace:

    java.lang.AssertionError
            at org.junit.Assert.fail(Assert.java:87)
            at org.junit.Assert.assertTrue(Assert.java:42)
            at org.junit.Assert.assertTrue(Assert.java:53)
            at SupspectsTest.testHaveValidFirstSuspect(SupspectsTest.java:37)
            at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
            at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
            at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.jav
    a:43)
            at java.base/java.lang.reflect.Method.invoke(Method.java:566)
            at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
            at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
            at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
            at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
            at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
            at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
            at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
            at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
            at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
            at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
            at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
            at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
            at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
            at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
            at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
            at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
            at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
            at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
            at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
            at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:768)
            at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)
            at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```

testHaveValidSecondSuspect   Failed   0s

Message:

N/A

Stack trace:

```
java.lang.AssertionError
        at org.junit.Assert.fail(Assert.java:87)
        at org.junit.Assert.assertTrue(Assert.java:42)
        at org.junit.Assert.assertTrue(Assert.java:53)
        at SuspectsTest.testHaveValidSecondSuspect(SuspectsTest.java:44)
        at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
        at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.jav
a:43)
        at java.base/java.lang.reflect.Method.invoke(Method.java:566)
        at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
        at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
        at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
        at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
        at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
        at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
        at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
        at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
        at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
        at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
        at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
        at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
        at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
        at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
        at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
        at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
        at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
        at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:768)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```

Bug Report

Document each bug found in the following format:

Bug Name:	haveUser cannot locate first User in the ArrayList
Description:	After adding two Users to the ArrayList and then saving them, going back in and checking haveUser for the first one returns false when it should return true.
Test Case:	testHaveValidFirstUser, testHaveValidLastUser
Location of error:	Users class, haveUser method

Report:

Bug Report

Document each bug found in the following format:

Bug Name:	haveVictim method returning incorrectly
Description:	The haveVictim method seems to only return false no matter what is in the ArrayList.
Test Case:	haveValidFirstVictim, haveValidSecondVictim
Location of error:	Victimss class, haveSuspect method

Report:

> testHaveValidSecondVictim   **Failed**   0s   ⎘

Message:

N/A

Stack trace:

```
java.lang.AssertionError
        at org.junit.Assert.fail(Assert.java:87)
        at org.junit.Assert.assertTrue(Assert.java:42)
        at org.junit.Assert.assertTrue(Assert.java:53)
        at VictimsTest.testHaveValidSecondVictim(VictimsTest.java:45)
        at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
        at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.jav
a:43)
        at java.base/java.lang.reflect.Method.invoke(Method.java:566)
        at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
        at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
        at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
        at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
        at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
        at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
        at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
        at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
        at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
        at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
        at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
        at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
        at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
        at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
        at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
        at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
        at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
        at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:768)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```

Tests - Brady

UsersTest

> testAddUser	Passed	0.01s	
> testHaveValidLastUser	Failed	0s	
> testGetUser	Failed	0s	
> testHaveValidFirstUser	Failed	0s	
> testHaveInvalidUser	Passed	0s	

PersonsOfInterestTest

> testHaveValidSecondPOI	Failed	0s	
> testHaveValidFirstPOI	Failed	0s	
> testHaveInvalidPOI	Passed	0s	
> testAddPOI	Failed	0s	

SupspectsTest

> testHaveInvalidSuspect	Passed	0s	
> testAddSuspect	Passed	0s	
> testHaveValidFirstSuspect	Failed	0s	
> testHaveValidSecondSuspect	Failed	0s	

VictimsTest

> testHaveInvalidVictim	Passed	0s	
> testAddVictim	Passed	0s	
> testHaveValidFirstVictim	Failed	0s	
> testHaveValidSecondVictim	Failed	0s	

WitnessTest

> testAddWitness	Passed	0s	
> testHaveValidFirstWitness	Failed	0s	
> testHaveValidSecondWitness	Failed	0s	
> testHaveInvalidWitness	Passed	0s	

PersonsTest

> testHaveInvalidPerson	Passed	0s	
> testAddPerson	Passed	0s	
> testHaveValidFirstPerson	Failed	0s	
> testHaveValidSecondPerson	Failed	0s	

Bug Report

Document each bug found in the following format:

Bug Name:	User Array List is null
Description:	Whenever the User Array List is tested the array list is null
Test Case:	testGetUserSize()
Location of error:	DataLoader class , loadUser method

Bug Name:	User Array List is null
Description:	Whenever the User Array List is tested the array list is null
Test Case:	testGetUserFirstUserID()
Location of error:	DataLoader class , loadUser method

Bug Name:	User Array List is null
Description:	Whenever the User Array List is tested the array list is null
Test Case:	testGetUserFirstUserPassword()
Location of error:	DataLoader class , loadUser method

Bug Name:	userList null
Description:	Whenever the User Array list is tested the array list is null
Test Case:	testGetUserSecondUserID()
Location of error:	DataLoader class , loadUser method

Bug Name:	User Array List is null
Description:	Whenever the User Array List is tested the array list is null
Test Case:	testGetUserSecondUserPassword()
Location of error:	DataLoader class , loadUser method

Bug Name:	adminList is null
Description:	adminList cannot be cleared because it is null
Test Case:	testGetAdminSize()

Location of error:	DataLoader class , loadAdmin method

Bug Name:	adminList is null
Description:	adminList cannot be cleared because it is null
Test Case:	testGetAdminSizeZero()
Location of error:	DataLoader class , loadUser method

Bug Name:	Cannot add object for first name
Description:	adminList cannot be found to add an object because it is null
Test Case:	testGetAdminFirstAdminFirstName()
Location of error:	DataLoader class , loadAdmin method

Bug Name:	Cannot add object for last name
Description:	adminList cannot be found to add an object because it is null
Test Case:	testGetAdminFirstAdminLastName()
Location of error:	DataLoader class , loadAdmin method

Bug Name:	Cannot add object for department
Description:	adminList cannot be found to add an object because it is null
Test Case:	testGetAdminFirstAdminDepartment()
Location of error:	DataLoader class , loadAdmin method

Bug Name:	Cannot add object for admin ID
Description:	adminList cannot be found to add an object because it is null
Test Case:	testGetAdminFirstAdminID()
Location of error:	DataLoader class , loadAdmin method

Bug Name:	Cannot add object for SecondAdminFirstName
Description:	adminList cannot be found to add an object because it is null
Test Case:	testGetAdminSecondAdminFirstName()
Location of error:	DataLoader class , loadAdmin method

Bug Name:	Cannot add object for SecondAdminLastName
Description:	adminList cannot be found to add an object because it is null
Test Case:	testGetAdminSecondAdminLastName()
Location of error:	DataLoader class , loadAdmin method

Bug Name:	Cannot add object for SecondAdminDepartment
Description:	adminList cannot be found to add an object because it is null
Test Case:	testGetAdminSecondAdminDepartment()
Location of error:	DataLoader class , loadAdmin method

Bug Name:	Cannot add object for SecondAdminID
Description:	adminList cannot be found to add an object because it is null
Test Case:	testGetAdminSecondAdminID()
Location of error:	DataLoader class , loadAdmin method

//From this point forward if the First and Second throw the same error they will be combined

Bug Name:	Cannot clear the person ArrayList because it is null
Description:	personList cannot be cleared because it is null
Test Case:	testGetPersonFirstPersonName(), testGetPersonSecondPersonName(), testGetPersonFirstPersonDOB(), testGetPersonSecondPersonDOB(), testGetPersonFirstPersonAge(), testGetPersonSecondPersonAge(), testGetPersonFirstPersonDescription(), testGetPersonSecondPersonDescription(). testGetPersonFirstPersonAddress(), testGetPersonSecondPersonAddress(), testGetPersonSize(), testGetPersonSizeZero()
Location of error:	DataLoader class , loadPerson method

Bug Name:	Cannot clear the crime ArrayList because it is null
Description:	crimeList cannot be cleared because it is null
Test Case:	testGetCrimeSize(), testGetCrimeSizeZero(), testGetCrimeFirstCrimeType(), testGetCrimeSecondCrimeType(), testGetCrimeFirstCrimeFelony, testGetCrimeSecondCrimeFelony
Location of error:	DataLoader class , loadCrime method

Bug Name:	Cannot clear the evidence ArrayList because it is null
Description:	evidenceList cannot be cleared because it is null
Test Case:	testGetEvidenceSize(), testGetEvidenceSizeZero(), testGetEvidenceFirstEvidenceDescription(), testGetEvidenceSecondEvidenceDescription(), testGetEvidenceFirstEvidenceLocation(), testGetEvidenceSecondEvidenceLoacation(), testGetEvidenceFirstEvidenceWeapon(), testGetEvidenceSecondEvidenceWeapon(), testGetEvidenceFirstEvidenceDrugs(), testGetEvidenceSecondEvidenceDrugs(), testEvidenceFirstEvidenceFingerprints(), testEvidenceSecondEvidenceFingerprints()
Location of error:	DataLoader class , loadEvidence method

Bug Name:	Cannot clear the officer ArrayList because it is null
Description:	officerList cannot be cleared because it is null
Test Case:	testGetOfficerSize(), testGetOfficerSizeZero(), testGetOfficerFirstOfficerFirstName(), testGetOfficerFirstOfficerLastName(), testGetOfficerFirstOfficerDepartment(), testGetOfficerSecondOfficerFirstName(), testGetOfficerSecondOfficerLastName(), testGetOfficerSecondOfficerDepartment()
Location of error:	DataLoader class , loadOfficer method

Bug Name:	Suspect class is not working
Description:	Cannot test suspect class because the constructor is incorrect, Is commented out at the top where the error occured
Test Case:	N/A
Location of error:	Suspect class , missing Constructor Method

Bug Name:	Cannot clear the Victim ArrayList because it is null
Description:	victimList cannot be cleared because it is null

Test Case:	testGetVictimSize(), testGetVictimSizeZero(), testGetVictimFirstVictimName(), testGetVictimSecondVictimName(), testGetVictimFirstVictimAddress(), testGetVictimSecondVictimAddress(), testGetVictimFirstVictimDescription(), testGetVictimSecondVictimDescriptio(), testGetVictimFirstVictimDOB(), testGetVictimSecondVictimDOB(), testGetVictimFirstVictimPhoneNumber(), testGetVictimSecondVictimPhoneNumber(), testGetVictimFirstVictimAlive(), testGetVictimSecondVictimAlive()
Location of error:	DataLoader class , loadVictim method

Bug Name:	Cannot clear the Witness ArrayList because it is null
Description:	witnessList cannot be cleared because it is null
Test Case:	testGetWitnessSize(), testGetWitnessSizeZero(), testGetWitnessFirstWitnessName(), testGetWitnessSecondWitnessName(), testGetWitnessFirstWitnessAddress(), testGetWitnessSecondWitnessAddress(), testGetWitnessFirstWitnessDOB(), testGetWitnessSecondWitnessDOB(), testGetWitnessFirstWitnessDescription(), testGetWitnessSecondWitnessDescription(), testGetWitnessFirstWitnessRelated(), testGetWitnessSecondWitnessRelated()
Location of error:	DataLoader class , loadWitness method

Report:

DataLoaderTest

> testGetAdminsSize	Failed	0.02s	
> testgetAdminSecondAdminLastName	Failed	0s	
> testGetUserFirstUserID	Failed	0s	
> testGetUserFirstUserPassword	Failed	0s	
> testGetAdminFirstAdminID	Failed	0s	
> testGetUserSecondUserID	Failed	0s	
> testGetAdminSecondAdminDepartment	Failed	0s	
> testGetAdminSecondAdminFirstName	Failed	0s	
> testGetAdminFirstAdminFirstName	Failed	0s	
> testGetAdminFirstAdminLastName	Failed	0s	
> testGetUsersSizeZero	Failed	0s	
> testGetUsersSize	Failed	0s	
> testGetAdminSecondAdminID	Failed	0s	
> testGetAdminSizeZero	Failed	0s	
> testGetUserSecondUserPassword	Failed	0s	
> testGetAdminFirstAdminDepartment	Failed	0s	

DataLoaderTestTwo

› testGetEvidenceSize	Failed	0s	
› testGetPersonSize	Failed	0s	
› testGetCrimeSecondCrimeType	Failed	0s	
› testGetEvidenceSecondEvidenceDrugs	Failed	0s	
› testGetPersonSecondPersonAge	Failed	0s	
› testGetPersonSecondPersonDOB	Failed	0s	
› testGetWitnessSizeZero	Failed	0s	
› testGetEvidenceFirstEvidenceWeapon	Failed	0s	
› testGetPersonFirstPersonAge	Failed	0s	
› testGetPersonFirstPersonDOB	Failed	0s	
› testGetOfficerFirstOfficerFirstName	Failed	0s	
› testGetVictimFirstVictimName	Failed	0s	
› testgetVictimSecondVictimDescription	Failed	0s	
› testGetVictimSize	Failed	0s	
› testGetPersonFirstPersonName	Failed	0s	
› testGetEvidenceSizeZero	Failed	0s	

> testGetVictimSecondVictimName	Failed	0s	
> testGetOfficerFirstOfficerLastName	Failed	0s	
> testGetWitnessFirstWitnessDescription	Failed	0s	
> testGetWitnessFirstWitnessRelated	Failed	0s	
> testGetEvidenceFirstEvidenceDescription	Failed	0s	
> testGetVictimSecondVictimPhoneNum	Failed	0s	
> testGetCrimeFirstCrimeFelony	Failed	0s	
> testGetOfficerSizeZero	Failed	0s	
> testGetEvidenceSecondEvidenceWeapon	Failed	0s	
> testGetPersonSecondPersonName	Failed	0s	
> testGetPersonSecondPersonDescription	Failed	0s	
> testGetPersonFirstPersonDescription	Failed	0s	
> testGetVictimFirstVictimAlive	Failed	0s	
> testGetWitnessFirstWitnessName	Failed	0s	
> testGetOfficerFirstOfficerDepartment	Failed	0s	
> testGetCrimeSizeZero	Failed	0s	
> testGetVictimSecondVictimAlive	Failed	0s	

> testGetEvidenceFirstEvidenceLocation	Failed	0s	
> testGetWitnessSecondWitnessRelated	Failed	0s	
> testGetPersonFirstPersonAddress	Failed	0s	
> testGetvictimSecondVictimDOB	Failed	0s	
> testGetWitnessFirstWitnessDOB	Failed	0s	
> testGetOfficerSecondOfficerDepartment	Failed	0s	
> testGetVictimFirstVictimAddress	Failed	0s	
> testGetOfficerSecondOfficerLastName	Failed	0s	
> testGetWitnessSecondWitnessName	Failed	0s	
> testGetWitnessSecondWitnessDOB	Failed	0s	
> testGetVictimFirstVictimDescription	Failed	0s	
> testGetCrimeFirstCrimeType	Failed	0s	
> testGetWitnessSecondWitnessDescription	Failed	0s	
> testGetPersonSecondPersonAddress	Failed	0s	
> testGetEvidenceSecondEvidenceLocation	Failed	0s	
> testGetVictimFirstVictimPhoneNumber	Failed	0s	
> testGetWitnessFirstWitnessAddress	Failed	0s	

> testGetCrimeSize	Failed	0s	
> testGetOfficerSize	Failed	0s	
> testGetEvidenceSecondEvidenceDescription	Failed	0s	
> testGetVictimSizeZero	Failed	0s	
> testgetVictimSecondVictimAddress	Failed	0s	
> testGetEvidenceFirstEvidenceFingerprints	Failed	0s	
> testGetEvidenceSecondEvidenceFingerprint	Failed	0s	
> testGetVictimFirstVictimDOB	Failed	0s	
> testGetCrimeSecondCrimeFelony	Failed	0s	
> testGetWitnessSize	Failed	0s	
> testGetWitnessSecondWitnessAddress	Failed	0s	
> testGetEvidenceFirstEvidenceDrugs	Failed	0s	
> testGetPersonSizeZero	Failed	0s	
> testGetOfficerSecondOfficerFirstName	Failed	0s	

Bug Report Cases

Bug Name:	addingWrong
Description:	It creates the case but does not add the case.
Test Case:	testAddCase
Location of error:	In the cases class, addCase method

Bug Name:	notCorrectlyStoringCases
Description:	I asserted the case to make sure that it was true and it is returning false because it's not correctly storing that it is false.
Test Case:	testhaveValidFirstCase, testhaveValidLastCase
Location of error:	In casesTest, hasLast method.

testHaveValidFirstCase · Failed · 0s

Message:

N/A

Stack trace:

```
org.opentest4j.AssertionFailedError: expected: <true> but was: <false>
	at org.junit.jupiter.api.AssertionUtils.fail(AssertionUtils.java:55)
	at org.junit.jupiter.api.AssertTrue.assertTrue(AssertTrue.java:40)
	at org.junit.jupiter.api.AssertTrue.assertTrue(AssertTrue.java:35)
	at org.junit.jupiter.api.Assertions.assertTrue(Assertions.java:163)
	at CasesTest.testHaveValidFirstCase(CasesTest.java:64)
	at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
	at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
	at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
	at java.base/java.lang.reflect.Method.invoke(Method.java:567)
	at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
	at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
	at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
	at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
	at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
	at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
	at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
	at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
	at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
	at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
	at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
	at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
	at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
	at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
	at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
	at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
	at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
	at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
	at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
	at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:768)
	at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)
	at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```

testHaveValidLastCase · Failed · 0s

Message:

N/A

Stack trace:

```
org.opentest4j.AssertionFailedError: expected: <true> but was: <false>
	at org.junit.jupiter.api.AssertionUtils.fail(AssertionUtils.java:55)
	at org.junit.jupiter.api.AssertTrue.assertTrue(AssertTrue.java:40)
	at org.junit.jupiter.api.AssertTrue.assertTrue(AssertTrue.java:35)
	at org.junit.jupiter.api.Assertions.assertTrue(Assertions.java:163)
	at CasesTest.testHaveValidLastCase(CasesTest.java:71)
	at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
	at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
	at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
	at java.base/java.lang.reflect.Method.invoke(Method.java:567)
	at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
	at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
	at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
	at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
	at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
	at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
	at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
	at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
	at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
	at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
	at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
	at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
	at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
	at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
	at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
	at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
	at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
	at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
	at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
	at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:768)
	at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)
	at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```

Bug Name:	returnedNull
Description:	Expected two variables to be the same, but it returned null
Test Case:	testGetCase
Location of error:	In caseList

Bug Report Crime

Bug Name:	notCorrectlyStoringCrimes
Description:	While I asserted the case to check to see if it passed through the correct path, it registered it as false when it was expected to be true.
Test Case:	testHaveValidFirstCrime, testHaveValidLastCrime
Location of error:	In crimesTest, hasLast method

Bug Name:	returnsFalseButSupposedToBeTrue
Description:	In CrimesTest I asserted the hasCrime to true but it returns as false.
Test Case:	testAddCrime
Location of error:	CrimesTest, method hasCrime

Bug Report Evidences

Document each bug found in the following format:

Bug Name:	assertIsWrong
Description:	Just as the other ones are, asserting it to true was successful but at the end of the run it expected true but changed to false.
Test Case:	testHaveValidFirstEvidence, testHaveValidLastEvidence
Location of error:	Evidences Test under HasFirst and HasLast.

```
∨  testHaveValidFirstEvidence                                          Failed        0s

   Message:

   N/A

   Stack trace:

   org.opentest4j.AssertionFailedError: expected: <true> but was: <false>
           at org.junit.jupiter.api.AssertionUtils.fail(AssertionUtils.java:55)
           at org.junit.jupiter.api.AssertTrue.assertTrue(AssertTrue.java:40)
           at org.junit.jupiter.api.AssertTrue.assertTrue(AssertTrue.java:35)
           at org.junit.jupiter.api.Assertions.assertTrue(Assertions.java:163)
           at EvidencesTest.testHaveValidFirstEvidence(EvidencesTest.java:34)
           at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
           at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
           at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:4
   3)
           at java.base/java.lang.reflect.Method.invoke(Method.java:567)
           at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
           at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
           at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
           at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
           at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
           at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
           at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
           at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
           at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
           at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
           at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
           at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
           at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
           at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
           at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
           at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
           at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
           at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
           at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
           at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:768)
           at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)
           at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```

```
∨  testHaveValidLastEvidence                                          Failed          0s        

   Message:

   N/A
   Stack trace:

   org.opentest4j.AssertionFailedError: expected: <true> but was: <false>
           at org.junit.jupiter.api.AssertionUtils.fail(AssertionUtils.java:55)
           at org.junit.jupiter.api.AssertTrue.assertTrue(AssertTrue.java:40)
           at org.junit.jupiter.api.AssertTrue.assertTrue(AssertTrue.java:35)
           at org.junit.jupiter.api.Assertions.assertTrue(Assertions.java:163)
           at EvidencesTest.testHaveValidLastEvidence(EvidencesTest.java:41)
           at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
           at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
           at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:4
   3)
           at java.base/java.lang.reflect.Method.invoke(Method.java:567)
           at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
           at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
           at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
           at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
           at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
           at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
           at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
           at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
           at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
           at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
           at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
           at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
           at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
           at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
           at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
           at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
           at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
           at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
           at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
           at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:768)
           at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)
           at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```

Bug Name:	assertIsWrong
Description:	The assert was set to true at the beginning and switched to false at the end.
Test Case:	testAddEvidence
Location of error:	In EvidencesTest and in the add method

testAddEvidence `Failed` 0.01s

Message:

N/A

Stack trace:

```
org.opentest4j.AssertionFailedError: expected: <true> but was: <false>
        at org.junit.jupiter.api.AssertionUtils.fail(AssertionUtils.java:55)
        at org.junit.jupiter.api.AssertTrue.assertTrue(AssertTrue.java:40)
        at org.junit.jupiter.api.AssertTrue.assertTrue(AssertTrue.java:35)
        at org.junit.jupiter.api.Assertions.assertTrue(Assertions.java:163)
        at EvidencesTest.testAddEvidence(EvidencesTest.java:56)
        at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
        at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:4
3)
        at java.base/java.lang.reflect.Method.invoke(Method.java:567)
        at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
        at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
        at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
        at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
        at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
        at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
        at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
        at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
        at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
        at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
        at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
        at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:329)
        at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
        at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
        at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
        at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
        at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.run(JUnit4TestReference.java:89)
        at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:40)
        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:541)
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        at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)
```