

Bug Report

Bug Name:	Error in trying to iterate over a null ArrayList.
Description:	The lease class does not initialize its arraylists in the constructor. So, if a method tries to iterate over one of the lease's uninitialized arraylists, it gives an error.
Test Case:	All LeaseTest tests DataWriterTest: testWritingFiveLeases()
Location of error:	Lease class, constructor

Bug Name:	Error in trying to access variables in a null lease
Description:	There is a method in Property to get the ID of the lease, but if the lease happens to be null, it will throw an exception because it is trying to access the instance variables of something that is null.
Test Case:	PropertyTest: all tests DataLoaderTest: testGetPropertySizeZero(), testGetPropertySize() DataWriterTest: testWritingOneProperty()
Location of error:	Property class, getLeaseID() method

Bug Name:	Creating duplicate or empty property manager
Description:	In the first test, a duplicate property manager is created, which should not be able to happen. In the other test, an empty property manager (null values) is created, which should not happen either.

Test Case:	PropertyManagerTest: testCreateDuplicatePropertyManager(), testCreateEmptyPropertyManager()
Location of error:	PropertyManagerList class, add method

Bug Name:	Creating empty or null review
Description:	In the test, both an empty review and a null review were able to be created.
Test Case:	DataWriterTest: testWritingEmptyReview(), testWritingNullReview()
Location of error:	ReviewList class, add method

Bug Name:	Creating objects with an ID that already exists in the object's list
Description:	When testing, we are adding certain objects to lists with IDs that already exist in that list. So, the IDs are no longer corresponding with the object's location in that list. The add methods should automatically come up with an id instead of passing it through a constructor.
Test Case:	Non-specific
Location of error:	All List classes

Coverage Report

Coverage					
Element		Coverage	Covered Instructions	Missed Instructions	Total Instructions
HousingSystemProject		39.1 %	2,908	4,521	7,429
src		39.1 %	2,908	4,521	7,429
(default package)		39.1 %	2,908	4,521	7,429
HousingUI.java		0.0 %	0	1,649	1,649
HousingApplication.java		2.2 %	18	794	812
Property.java		24.9 %	87	262	349
DataWriter.java		68.4 %	496	229	725
Account.java		34.7 %	114	215	329
Lease.java		23.8 %	66	211	277
DataLoader.java		73.1 %	450	166	616
PropertyTest.java		34.6 %	80	151	231
LeaseTest.java		23.6 %	45	146	191
LeaseList.java		11.9 %	17	126	143
DataWriterTest.java		86.9 %	768	116	884
PropertyList.java		17.9 %	17	78	95
PropertyManagerList.java		33.9 %	38	74	112
StudentList.java		34.2 %	38	73	111
ReviewList.java		52.8 %	56	50	106
Review.java		42.9 %	36	48	84
Student.java		55.1 %	49	40	89
PropertyManager.java		52.6 %	40	36	76
DataLoaderTest.java		73.4 %	58	21	79
SortByPrice.java		0.0 %	0	9	9
SortByReviews.java		0.0 %	0	9	9
PropertyManagerTest.java		95.9 %	139	6	145
ReviewTest.java		95.9 %	142	6	148
AccountTest.java		0.0 %	0	3	3
DataConstants.java		0.0 %	0	3	3
AccountType.java		100.0 %	24	0	24
ReviewType.java		100.0 %	34	0	34
StudentTest.java		100.0 %	96	0	96