

StudentID	Unit Tests			Execution	Buy-1	Syntax	Code	Class	Comment
	Score	LinItem(6)	Sale(5)	Main (5)	Get-1	Errors?	Quality	Javadoc	
Points:	100	42	30	30	5	-5	0	-10	
5710546178	41	4	1	2	0	1	3	5	main() threw NullPointerException. Errors in sale.addItem() cause many tests to fail.
5710546216	65	5	1	4	0	0	3	5	
5710546283	95	5	5	5	0	0	4	5	Good, but addItem() is too complex.
5710546607	82	4	5	5	0	0	3	2	No space between methods, needs space in statements.
5710546615	26	0	2	4.5	0	1	0	1	LinItem does not compile (multiple errors), so all tests fail. Sale.iterator() prints on console. I fixed LinItem to make Main class work. Javadoc lacks any useful description of classes.
5710547204	77	5	2	5	0	0	4	5	Overuse of x.get(i). Use for-each and temporary variable to avoid redundant calls.
5910545019	104	6	5	5	0.4	0	5	5	Good, but getProductID should be getId. Sale creates Comparator that just invokes LinItem compareTo, so its not necessary. Javadoc should be a complete sentence with period. Don't need to rewrite equals in GetOneFreeLinItem.
5910545639	42	5	0.5	1.5	0	1	3	5	Syntax errors in Sale, GetOneFreeLinItem.
5910545647	-3	0	1	1	0	1	1	0	No Javadoc. Several illegal casts in Sale.
5910545663	69	6	4	0.5	0	0	4	5	Sale.additem() is misspelled. Did not complete makeSale or printSale.
5910545671	94	5	4	5	1	0	5	5	
5910545680	70	5	2	4.5	0	0	4	3	Sale should only compute total when getTotal is called. No Javadoc in Sale. Poor formatting in LinItem.
5910545698	77	5	4	4	0	0	5	2	LinItem.getId is misspelled. In makeSale items not combined, not sorted by id, and total is not printed. Class Javadoc should be descriptive sentence.
5910545701	40	4	1	1	0	0	2	5	makeSale and printSale are incomplete (don't work).
5910545710	89	5	4	5	0	0	5	5	Constructor LinItem(Product) does not set quantity to 1.
5910545728	26	2	1	1	0	0	5	5	LinItem(Product) does not set quantity. Code in Sale has many logic/semantic errors. Incorrect use of List and iterator.
5910545736	101	6	5	5	0.5	0	5	3	Good. GetOneFreeLinItem code is OK, but Sale recreates new LinItems instead of changing qty of existing LinItem. Class Javadoc is insufficient.
5910545744	107	6	5	5	1	0	5	5	Good, but getProductID should be getId
5910545752	50	4	3	1	0	0	5	4	makeSale and printSale contain logic/semantic errors.
5910545761	47	5	0	2	0	0	5	5	

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Points:	100	42	30	30	5	-5	0	-10	
5910545787	75	3	5	5	0	0	4	2	LinItem doesn't have getUnitPrice; Comparable doesn't have type. Sale.addItem poorly written.
5910545809	41	4	0	3	0	1	4	5	Multiple syntax errors in Sale.
5910545817	75	4	2	5	1	0	4	5	getProductID should be getProductId. Sale.addItem poorly written.
5910545833	19	4	0	1	0	1	0	0	Incorrect import. No Javadoc at all. In LinItem "return getDescription()" should be "return product.getDescription()". Sale has wrong constructor and no Collection.
5910545841	30	4	0	2	0	0	0	0	Code is poorly formatted. No Javadoc at all. Sale creates ArrayList in addItem method (not constructor), so all tests fail.
5910545850	35	3	4	0	0	0	3	0	setQuantity and getQuantity misspelled. No class javadoc in either class. Did not complete the Main class.
5910545868	77	4	4	5	0	1	3	5	Invalid cast of LinItem to Product.
5910545892	86	4	5	5	0	0	5	4	equals and compareTo fail tests.
5910545906	89	5	4	5	0	0	4	5	printSale directly accesses mapList attribute of Sale. Sale failed multiple tests because you didn't complete iterator method.
5910546376	100	5	5	5	1	0	5	5	Good. LinItem doesn't implement Comparable.
5910546384	100	5	5	5	1	0	5	5	Good. LinItem not Comparable. Sale code is unnecessarily complex.
5910546406	82	4	4	5	0	0	5	5	Good. LinItem not Comparable. In equals, product.getClass() should be this.getClass(), so it always returns false.
5910546422	24	4	1	0	0	0	5	0	Sale class incomplete. No class descriptions in Javadoc.
5910546431	51	4	1	3.5	0	0	5	3	Sale class incomplete. No Javadoc in Sale. Some mistake in Main.printSale.
5910546457	61	5	4	2	0	0	5	0	I fixed Sale.iterator() to make it pass some tests. No class description in Javadoc. printSale only prints one LinItem.
5910546465	95	5	5	5	0	0	5	5	Good. LinItem.getDescription() misspelled.
5910546635	78	5	3	4.5	0	0	5	4	Sale doesn't consolidate LinItems. printSale needs wider columns.
5910546643	31	4	0	2	0	1	5	3	Incorrect import for List. Sale class very incomplete.
5910546678	0	0	0	0	0	0	4	5	LinItem does not extend Product. Sale does not extend LinItem. Many syntax errors. Sale class very incomplete. didn't complete Main class.
5910546686	56	5	1	2.5	0	0	5	5	

Javadoc score is penalty deducted from total =  $-2*(5 - \text{your\_javadoc\_score})$ . Penalty 0 for javadoc score 5 (good), penalty -10 for javadoc score 0.

Code quality not counted this time. Score is based on code formatting, using good coding principles, and adherence to style guide.