KEY: Orange highlight = Test Added during this milestone Red highlight = Impossible test case

Test	Equivalence class partition	oning(Wect, Sect, W	/rect, Srect)			
testAdd			in list	1		
	ID	L	0			
	WECT1	L1	O1			
	WECT2	L2	O2			
	Sect					
	ID	L	I			
	SECT1	L1	01			
	SECT2 L2 O1 SECT3 L1 O2					
	SECT4	L2	O2			
		vould involve L < 0 re covered by testir				
testAddAll	 O2: O can 	0	d into list			

		ID	L	0		
		WECT1	L1	01		
		WECT2	L2	O2		
		WECT3	L1	O3		
	•	Sect				
		ID	L	1		
		SECT1	L1	01		
		SECT2	L2	O1		
		SECT3	L1	O2		
		SECT4	L2	O2		
		SECT5	L1	О3		
		SECT6	L2	O3		
		Wrect and Srect wou Wrect and srect are				
testEquals	 Variables: List length L Equivalence classes L1:L=0 L2:L>0 Thus, wect and sect are both covered by using an empty list and a nonempty This is already done Wrect and Srect would involve L < 0 but this is not possible Wrect and srect are covered by testing of a null variable list 					
testHashCode	•	Variables: List length L Equivalence classes L1:L=0 L2:L>0 Thus, wect and sect and a nonempty This is alread Wrect and srect wou	are both covered by done ald involve L < 0 b	out this is not p	ossible	

testGet	•	Variables: o List length L o Index I Equivalence classes L1: L=0 L2: L>0 I1: I<0 I2: I>=0&&I <l i="" i3:="">=L</l>				
	•	Wect		į.	1	
		ID	L	I		
		WECT1	L1	11		
		WECT2	L2	12]	
		WECT3	L1	13]	
	•	Sect	-	·	J -	
		ID	L	I	1	
		SECT1	L1	l1		
		SECT2	L2	l1		
		SECT3	L1	12]	
		SECT4	L2	12]	
		SECT5	L1	13	1	
		SECT6	L2	13		
	•	Wrect and Srect wo Wrect and srect are SECT2, SECT5, an Wrect and srect are variable list	covered by WE d SECT6	ECT1, WECT3	, SECT1,	
testIndexOf	• Varia	bles: List length L Object O valence classes L1: L=0 L2: L>0 O1: O is in list O2: O is not in list	ıt			

	• Wect				
	ID	L	0		
	WECT1	L1	O1		
	WECT2	L2	O2		
	• Sect				
	ID	L	I		
	SECT1	L1	O1		
	SECT2	L2	O1		
	SECT3	L1	O2		
	SECT4	L2	O2		
	 Wrect and Srect would involve L < 0 but this is not possible Wrect and srect are covered by WECT1, SECT1 Wrect and srect are also covered by testing of a null variable 				
testLastIndexOf	 Variables: List length L Object O Equivalence classes L1: L=0 L2: L>0 O1: O is in list O2: O is not in list Wect 				
	ID	L	0		
	WECT1	L1	O1		
	WECT2	L2	O2		
	• Sect				

	ID	L	I	
	SECT1	L1	O1	
	SECT2	L2	O1	
	SECT3	L1	O2	
	SECT4	L2	O2	
	Wrect and Srect worWrect and srect areWrect and srect are	covered by WECT	1, SECT1	
testIterator	and a nonempt ○ This is a • Wrect and Sred	asses sect are both cove	0 but this is no	t possible
testRemove	and a nonempt ○ This is a • Wrect and Sred	asses sect are both cove	0 but this is no	t possible
testSublist	and a nonempt ○ This is a • Wrect and Sred	asses sect are both cove	0 but this is no	t possible

testSubListAddBegin	 Variables: List length L Equivalence classes L1: L=0 L2: L>0 Thus, wect and sect are both covered by using an empty list and a nonempty This is already done Wrect and Srect would involve L < 0 but this is not possible Wrect and Srect are covered by testing of a null variable list This is already done Wrect and Srect are covered by testing of a null variable list This is already done Wrect and Srect are covered by testing of a null variable list This is already done Wrect and Srect are covered by testing of a null variable list This is already done Wrect and Srect are covered by testing of a null variable list This is already done This is already done
testSubListAddEnd	 Variables: List length L Equivalence classes L1: L=0 L2: L>0 Thus, wect and sect are both covered by using an empty list and a nonempty This is already done Wrect and Srect would involve L < 0 but this is not possible Wrect and Srect are covered by testing of a null variable list
testSubListAddMiddle	 Variables: List length L Equivalence classes L1: L=0 L2: L>0 Thus, wect and sect are both covered by using an empty list and a nonempty This is already done Wrect and Srect would involve L < 0 but this is not possible Wrect and Srect are covered by testing of a null variable list This is already done Wrect and Srect are covered by testing of a null variable list This is already done Wrect and Srect are covered by testing of a null variable list This is already done Wrect and Srect are covered by testing of a null variable list This is already done Wrect and Srect are covered by testing of a null variable list This is already done This is already done
testSubListRemove	 Variables: List length L Equivalence classes L1: L=0 L2: L>0 Thus, wect and sect are both covered by using an empty list and a nonempty This is already done Wrect and Srect would involve L < 0 but this is not possible Wrect and Srect are covered by testing of a null variable list This is already done Wrect and Srect are covered by testing of a null variable list This is already done Wrect and Srect are covered by testing of a null variable list This is already done Wrect and Srect are covered by testing of a null variable list This is already done Wrect and Srect are covered by testing of a null variable list This is already done This is already done
testTransformedList	 Variables: List length L Equivalence classes L1: L=0 L2: L>0

Test	Boundary Value Analysis	
testGet	 Variables: List length L Index I Test Set BVL:{nom:L=0,nom:L>0} BVI:{min-:I=-1,min:I=0,min+:I=1,nom:1 max-: I = L - 2, max: I = L - 1, max+: I = BVA (basic) 	
	ID L I	
	BVA (basic) 1 L>0 0	
	BVA (basic) 2 L>0 1	
	BVA (basic) 3 L>0 nom	1
	BVA (basic) 4 L>0 L-2	
	BVA (basic) 5	1
	BVA (robust)	_
	ID L I	7
	BVA (robust) 1 L>0 -1	
	BVA (robust) 2 L>0 0	
	BVA (robust) 3 L>0 1	1
	BVA (robust) 4 L>0 nom	
	BVA (robust) 5 L>0 L-2	
	BVA (robust) 6 L>0 L-1	
	BVA (robust) 7 L>0 L	

Test testAdd	○ C1○ C2• Actions	1:L<=0? 2: Object	can be i			
		 C2: Object can be inserted? Actions A1: Object is inserted 				
	Test Case ID	C1	C2	Expected Output		
	TC1	Y/T	-	-		
	TC2	N/F	Y/T	Object inserted		
	TC3	N/F	N/F	No change		
	Actions	-	s are equ			
	Table	· ·	1			
				Expected Output		
	TC1	Y/T	-	-		
	TC2	N/F	Y/T	True		
	TC3	N/F	N/F	False		
testGet	 C2 Actions △ A1 Table 	1:L<=0? 2: Index i 1: Object	n range?	ļ.		
	Test Case ID TC1	C1 Y/T	C2 -	Expected Output		

		1				
	TC2	N/F	Y/T	Ob	oject at index	
	TC3	N/F	N/F	Eri	ror	
					,	
testIndexOf	 Conditions C1:L<=0? C2: Object in list? Actions A1: Index is gotten Table 					
	Test Case ID	C1	C2	E	xpected Output	
	TC1	Y/T	-	-		
	TC2	N/F	Y/T	In	dex of object	
	ТС3	N/F	N/F	-1		
testRemove	 Conditions C1:L<=0? C2: Object in list? Actions A1: Object is removed Table 					
	Test Case ID	C1	C2	E	xpected Output	
	TC1	Y/T	-	-		
	TC2	N/F	Y/T	0	bject removed	
	TC3	N/F	N/F	N	o change	
testSublist	 Conditions C1:L<=0? C2: Start index in range? C3: End index in range? Actions A1: Sublist is made Table Test Case ID C1 C2 C3 Expected Output					
	TC1	Y/T -	-	•	-	

			1	
TC2	N/F	Y/T	Y/T	Sublist
TC3	N/F	Y/T	N/F	Error
TC4	N/F	N/F	Y/T	Error
TC5	N/F	N/F	N/F	Error
			•	