

Grading Sheet for CS1102 Practical Exam Semester 1 02/03

Credits (+ 40 points)		
Find/Insert/Delete (12)		
Insert into an empty list Insert front	1	
Insert front	1	
Insert at the end	1	
Insert at the middle	1	
Find returns true when item exists in list	1	
Find returns false when in empty list	1	
Find returns true when items does not exist in list	1	
Delete from middle	1	
Delete from end	1	
Delete from front	1	
Delete when list has one node	1	
Delete when list is empty	1	
Node Sharing (12)		
Share nodes when insert	5	
Share nodes when delete	5	
Share every nodes when delete does not change the list	2	
Undo/Redo (16)		
Correctly undo to previous version	1	
Correctly redo to next version	1	
Can undo multiple times	2	
Can redo multiple times	2	
Do nothing when undo if there is no previous version	2	
Do nothing when redo if there is no next version	2	
Correctly maintain MAX_VERSION versions	1	
Efficiently maintain versions (no shifting of arrays)	3	
Works for different values for MAX_VERSION	1	
Correctly returns the current head pointer	1	
Debits		
Minor syntax errors (typo, no time to finish coding)	-3	
Major errors (do not understand basic Java)	[-4,-10]	
Undo/Redo not in O(1) (e.g use stacks of operations)	[-0,-8]	
Not linear/Not singly linked/Has dummy node	-5	
Others (+ or – points)		
TOTAL	40	