CAB301 A	Assignment 1	Marking	Schema and	Feedback Shee

Student Name:		

Description of	Very good (6)	Good (4 – 5)	Fair (2 – 3)	Unsatisfactory (0 – 1)	
algorithm and expected outcomes Marks awarded (out of 6):	 □ The algorithm is described clearly, succinctly and accurately □ The algorithm's basic operation is clearly identified and its choice is well justified □ The algorithm's predicted efficiency is explained clearly, succinctly and accurately 	 ☐ The description of the algorithm is clear, but is missing some minor detail ☐ The algorithm's basic operation is clearly identified but the explanation for its choice is unclear ☐ The algorithm's predicted efficiency is described correctly, but its justification is not clear 	 ☐ The algorithm's description is difficult to follow or is missing essential information ☐ The algorithm's basic operation is identified but the choice is not justified ☐ The algorithm's predicted efficiency is given correctly, but is not justified or explained 	 ☐ The algorithm's description is largely incomplete or inaccurate ☐ The choice of the algorithm's basic operation is inappropriate ☐ The description of the algorithm's predicted efficiency is largely incomplete or inaccurate 	
Implementation of	Very good (6)	Good (4 – 5)	Fair (2 – 3)	Unsatisfactory (0 – 1)	
the algorithm	The program implements the algorithm faithfully, and the correspondences between features of the algorithm and its	The program implements the algorithm faithfully, although some aspects of the correspondence between the program	There are unexplained differences between the algorithm and its programming language implementation	The programming language implementation is incomplete, or differs from the given algorithm in a way which	
Marks awarded (out of 6):	programming language implementation are clear	and the algorithm are unclear	that may cast doubt on the validity of the experiments	invalidates the experiments	
Quality of written	Very good (4)	Good (3)	Fair (2)	Unsatisfactory (0 – 1)	
report	☐ The report contains no significant errors in spelling, grammar or typography ☐ The report contains a few minor error spelling, grammar or typography		☐ The report contains several errors in spelling, grammar or typography, but is still easy to read	The report contains numerous errors in spelling, grammar or typography that make it difficult to read	
Marks awarded (out of 4):	☐ All reference materials used for the project are cited accurately ☐ The computing environment used to develop the program and perform the experiments is described clearly ☐ The report is well organised into sections and contains helpful navigational aids for the reader (headings, cross references, etc) which make the overall 'story' easy to follow	☐ All reference materials used for the project are listed, but some citations seem to be missing from the text ☐ The description of the computing environment used to develop the program and perform the experiments is missing some minor details ☐ The report is divided into sections and contains some navigational aids for the reader (headings, cross references, etc), but the overall 'story' is unclear in parts	□ A list of reference materials is given but is not clearly linked to the relevant parts of the text by citations □ The description of the computing environment used to develop the program and perform the experiments is missing essential information needed to duplicate the experiments □ The report is divided into sections but needs to be made easier to follow with additional navigational aids for the reader (clearer headings, more cross references, etc)	☐ The list of reference materials used for the project is incomplete or inadequate ☐ The computing environment used to develop the program and perform the experiments is not described adequately ☐ The report is structured in a confusing way or contains insufficient navigational aids for the reader, making it difficult to understand	

Experimental	Very good (11 – 14)	Good (7 – 10)			Fair (3 – 6)	Unsatisfactory (0 – 2)
Marks awarded (out of 14):	☐ The program's functional correctness was tested or verified in a clear and appropriate way and the test results or program proofs are convincing ☐ The way that basic operations are counted is clear and accurate (with respect to the basic operations identified for the algorithm) ☐ Experiments to count the program's basic operations produced a clear trend which could be compared meaningfully with the algorithm's predicted growth ☐ The way in which the average execution time of the program was measured against the problem size is clear and accurate ☐ Experiments to measure the program's execution times produced a clear trend which could be compared meaningfully with the algorithm's predicted growth	☐ The way in which the progratunctional correctness was to verified is appropriate, but the are not comprehensive or the proofs lack detail. ☐ The way that basic operation counted appears to be accurrespect to the basic operation for the algorithm) but the texplanation is unclear in parts. ☐ Experiments to count the proper basic operations produced a for comparison with the pregrowth but with some large. ☐ The way in which the execute the program was measured appropriate but its explanation parts. ☐ Experiments to measure the execution times produced a but with a few unexplained.	ested or he test results e formal ns are ate (with ns identified chnique's rts ogram's clear trend dicted gaps tion time of appears to be on is unclear program's clear trend	correctnee test result The way to counted dealgorithm inaccurace Some expubasic oper there were definite to the programinor inaction inappropriate to the programinor inaction in the program inappropriate to the program in the pro	in which the execution time of am was measured may lead to accuracies or appears to be riate berimental results for measuring a times were produced, but there few data points to show a	 □ The program's functional correctness is not demonstrated or verified □ The way that basic operations are counted is grossly inaccurate or largely incomplete □ The results produced for counting basic operations were insufficient to allow any meaningful conclusions to be drawn from the experiment □ No adequate method is given for measuring the program's execution time or the method used is likely to be highly inaccurate □ The results produced for measuring execution times were insufficient or too inaccurate to allow any meaningful conclusions to be drawn from the experiment
You are to be com	nended for:		Next time yo	ou need to w	ork on:	
Total mark (out of 30):			Marker			