CAB301 Assignment 1 Marking Schema and Feedback Shee	CAB301 Ass	signment 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	The algorithm is described 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
Marks awarded (out of 6):	☐ 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 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 (5)	Good (4)	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 5):	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)
marks awarded (out of 4):	 ☐ The report contains no significant errors in spelling, grammar or typography ☐ 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 	 ☐ The report contains a few minor errors in spelling, grammar or typography ☐ 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 	☐ The report contains several errors in spelling, grammar or typography, but is still easy to read ☐ 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 report contains numerous errors in spelling, grammar or typography that make it difficult to read ☐ 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 (12 – 15)	Good (8 – 11)		Fair (4 – 7)	Unsatisfactory (0 – 3)
results Marks awarded (out of 15):	☐ 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 programe functional correctness was verified is appropriate, but 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 ten explanation is unclear in path in Experiments to count the programe was produced a for comparison with the programe was measured appropriate but its explanation parts. ☐ Experiments to measure the execution times produced a but with a few unexplained.	ested or the test results the formal ans are tate (with the sidentified chnique's tests ogram's clear trend dicted gaps tition time of tappears to be toon is unclear the program's clear trend	 □ Claims for the program's functional correctness are not fully supported by test results or proofs □ The way that basic operations are counted does not appear to match the algorithm, or may lead to minor inaccuracies (e.g., 'off-by-one' errors) □ Some experimental results for counting basic operations were produced, but there were too few data points to show a definite trend □ The way in which the execution time of the program was measured may lead to minor inaccuracies or appears to be inappropriate □ Some experimental results for measuring execution times were produced, but there were too few data points to show a definite trend 	 □ 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 commend	ded for:		Next time y	ou need to work on:	
Total mark (out of 30):			Marker		