

Semester 1, 2020

- Amazing job. (just need a bit more of exception handling)
- Need some more work on the report.
- Report missing tests for other easy functions.

CAB301: Algorithms and Complexity

Well done!

Assignment 1: Project (Applied)

Marking Criteria Sheet

Criteria /100	7 – High Distinction 85-100%	6 – Distinction 75-84%	5 – Credit 65-74%	4 – Pass 50-64%	3 – Marginal Fail 40-49%	2 – Fail 25-39%	1 – Low Fail <25%
Data structures Weighting: 10%	<ul style="list-style-type: none">You have used all the required data structures perfectly.	<ul style="list-style-type: none">You have used all the required data structures with few deficiencies.	<ul style="list-style-type: none">You have used all the required data structures with some issues, including using the provided BST code	<ul style="list-style-type: none">You have used some of the required data structures, but not all the required data structures.	<ul style="list-style-type: none">You have attempted to use required data structures, but not appropriately .	<ul style="list-style-type: none">You have not used the required data structures. You have used some inappropriate data structures.	<ul style="list-style-type: none">You have not used any data structures at all.
Algorithms	<ul style="list-style-type: none">The logic of your algorithm is correct.	<ul style="list-style-type: none">The logic of your algorithm is correct.	<ul style="list-style-type: none">The logic of your algorithm is correct.	<ul style="list-style-type: none">The logic of your algorithm is basically	<ul style="list-style-type: none">The logic of your algorithm is basically	<ul style="list-style-type: none">The logic of your algorithm is not clear.	<ul style="list-style-type: none">No algorithm is presented.No

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Weighting: 10%	<ul style="list-style-type: none"> Your algorithm is well presented using the pseudocode notations. Your algorithm is concise and efficient. The computational complexity of your algorithms has been analysed rigorously. 	<ul style="list-style-type: none"> Your algorithm is presented using the pseudocode notations. Your algorithm is concise and efficient. The computational complexity of your algorithms has been analysed correctly. 	<ul style="list-style-type: none"> Your algorithm is clearly presented. Your algorithm is efficient. The computational complexity of your algorithms has been analysed. But there are some deficiencies in your algorithm analysis. 	<p>correct.</p> <ul style="list-style-type: none"> Your algorithm is reasonably presented. Your algorithm is basically efficient. You have attempted to analyse the computational complexity of your algorithm. But there are some significant issues in your algorithm analysis. 	<p>correct.</p> <ul style="list-style-type: none"> Your algorithm is reasonably presented. Your algorithm is not efficient. You have not attempted to analyse the computational complexity of your algorithm. 	<ul style="list-style-type: none"> Your algorithm is presented. Your algorithm is not efficient. You have not attempted to analyse the computational complexity of your algorithm. 	algorithm analysis.
Functionality	<ul style="list-style-type: none"> All the required functionality has been 	<ul style="list-style-type: none"> All the required functionality has been 	<ul style="list-style-type: none"> Most of the required functionality has been 	<ul style="list-style-type: none"> Most of the required functionality has been 	<ul style="list-style-type: none"> You have attempted to implement all 	<ul style="list-style-type: none"> You have attempted to implement 	<ul style="list-style-type: none"> You have not attempted to

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Weighting: 60%	<p>implemented and all your implementations meet the requirements in the assignment specification.</p> <ul style="list-style-type: none"> There is no runtime problem. 	<p>implemented and most of your implementations meet the requirements in the assignment specification.</p> <ul style="list-style-type: none"> There is no runtime problem. 	<p>implemented and all your implementations meet the requirements in the assignment specification.</p> <ul style="list-style-type: none"> There is no runtime problem in your implementation. 	<p>implemented and most of your implementations meet the requirements in the assignment specification.</p> <ul style="list-style-type: none"> There are some runtime problems in your implementation. 	<p>the functionality.</p> <ul style="list-style-type: none"> There are some compilation problems in your implementation. 	<p>some of the functionality.</p> <ul style="list-style-type: none"> There are some compilation problems in your implementation. 	<p>implement any of the functionality.</p>
Testing Weighting: 10%	<ul style="list-style-type: none"> You have provided enough screenshots for every required functionality. 	<ul style="list-style-type: none"> You have provided enough screenshots for most of the required functionality. 	<ul style="list-style-type: none"> You have provided some screenshots for most of the required functionality. 	<ul style="list-style-type: none"> You have provided some screenshots for some of the required functionality. 	<ul style="list-style-type: none"> You have provided screenshots for a small number of the functionality. 	<ul style="list-style-type: none"> You have provided few screenshots for a small number of the functionality. 	<ul style="list-style-type: none"> No screenshot is provided.
Code quality	<ul style="list-style-type: none"> Your code is well structured 	<ul style="list-style-type: none"> Your is well structured, 	<ul style="list-style-type: none"> Your code is formatted so 	<ul style="list-style-type: none"> Your code is mostly 	<ul style="list-style-type: none"> Your code is formatted so 	<ul style="list-style-type: none"> Your code is not formatted. 	<ul style="list-style-type: none"> Your code is not formatted.

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Weighting: 10%	<p>and formatted, allowing the logic to be easily followed.</p> <ul style="list-style-type: none"> Your code is clearly and concisely described by comments that fully document the code. Your code uses meaningful identifier names that enhance code readability by clearly explaining their purpose. 	<p>allowing the logic to be fairly easily followed.</p> <ul style="list-style-type: none"> Your code is clearly described by comments that fully document the code. Your code uses meaningful identifier names that enhance code readability. 	<p>that the logic can be followed with minimal effort.</p> <ul style="list-style-type: none"> Your comments provide a good understanding of the code. Your code uses meaningful identifier names. 	<p>formatted so that the logic can be followed with minimal effort.</p> <ul style="list-style-type: none"> Your comments provide a general understanding of the code. Your code generally uses meaningful identifier names. 	<p>that it takes some effort to follow the logic.</p> <ul style="list-style-type: none"> Your comments provide little understanding of the code. Your code uses too many unmeaningful identifier names. 	<ul style="list-style-type: none"> Few comments are provided. Your code uses too many unmeaningful identifier names. 	<ul style="list-style-type: none"> No comment is provided. Your code uses too many unmeaningful identifier names.