



a place of mind
THE UNIVERSITY OF BRITISH COLUMBIA

COSC 320 – 001 [3-2-0]
Analysis of Algorithms
2022-2023 Winter Term 2
Project Third Milestone

Project proposal (25% of your project grade):

This is the implementation of your first algorithm.

- Dataset. Include the details of the dataset.
- Implementation. Explain how you implemented the algorithm and tested it. All the subtle details should be included. This is just an explanation and you do not need to copy paste your implementation here. It can be as short as one paragraph. Include links if required.
- Results. Include the plots and the interpretation of the plots as input grows. Compare it to the big O function of the running time. For example, if your algorithm runs in $O(n^2)$, show the plot for the n^2 function in same plot as well. Explain if this is what you expected, and how the implementation of your algorithm might have affected the constant values. How the choice of data structure might have affected this result?
- Unexpected Cases/Difficulties. If you encountered any issues for design and implementation of your work, include it here. Also, mention the solutions you have considered to alleviate the issue.
- Task Separation and Responsibilities. Who did what for this milestone? Explicitly mention the name of group members and their responsibilities.

Note: If one person does most of the job, that person will receive more grade. In other words, if you do not contribute to the group project, your grade for the project will be different than your group members'.

Use the template uploaded in the Term Project module on course home page on Canvas.

Going beyond the maximum pages mentioned in the template has a 5% penalty.