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THE UNIVERSITY OF BRITISH COLUMBIA

COSC 320 – 001 [3-2-0]
Analysis of Algorithms
2022-2023 Winter Term 2
Project 4th Milestone

Last milestone (25% of your project grade):

This is the final milestone of your project. For this milestone, you should submit all the work you have done so far. Start with a <u>summary</u> of the two algorithms, and how they are compared to each other, in terms of algorithmic analysis. You don't have to repeat everything, just a summary of your whole project.

Then, show the plots as you did previously in other milestones, showing how all your algorithms (2 for the first topic and three for the second topic) are compared to each other, in terms of running time. This means that you should show the running time of your algorithms in the same plot.

You need to test your implementations with **large n**, at least a couple of hundred thousand input, if not millions. This should be shown in your plots too.

Include the link to the dataset you used in your report.

Clearly mention the contribution of each member of the team in the fourth milestone and throughout the project.

Deliveries:
- Code (link to your GitHub repo). It should be documented, and TAs should be able to execute it.
- A 10-15 min video presenting your project, solution provided, how they are compared to each other, and result of your work.
- Report as indicated above.
- Link to the datasets you have used.

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.
There is no page limit for the report in this milestone.