

## CS5002: Self Assessment

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### Part A

My biggest individual contribution to the project was that I handled the bulk of the GUI application's implementation. Additionally, as the elected "Project Manager," I was the one who handled the bulk of the communication with our advisor, etc. Finally, I distributed tasks and attempted to ensure that everyone was able to complete their work without blockages. This required several skills that I have developed, including ones identified in the Fall and more skills I didn't realize I would need and use.

My familiarity with Qt from my co-ops was helpful, but I needed to spend a lot of time developing my skills to produce a complete application from scratch. I exercised my interpersonal skills more than I may have expected at the beginning of this project, being a main communicator for the group as well as a coordinator of sorts within the group. Overall, I feel that many of our goals were met successfully with a little elbow grease. The algorithms we developed work well for realistic datasets, and the GUI functions as a solid presentation tool that could be developed further with more features into a marketable product. A major obstacle was that for a large part of the semester, our band directors (who we planned on asking for pointers with their marching band expertise) were on leave and we were unable to meet with them. We cut a small feature as a result (implementation with Pyware), but we were able to solve most other problems without them.