

Lab 1 Writeup

Team Members:

- Josh Korngiebel
- Dev Masrani

Initial Decisions:

- Programming Language: Python 3.11
- Development Environment: PyCharm

Initial Architecture:

We chose to use a list of dictionaries to store the student data, as this allows us to easily iterate through the data in $O(n)$ time complexity, and access each individual data field easily when iterating through the data.

Task Log:

- File Parsing: Josh Korngiebel - Tuesday, January 17 - 30 minutes
- Input Parsing: Dev Masrani - Wednesday, January 18 - 1 hour
- Filtering Methods: Josh Korngiebel - Wednesday, January 18 - 2 hours
- Test Cases: Dev Masrani - Thursday, January 19 - 2 hours
- Writeup: Josh Korngiebel and Dev Masrani - Friday, January 20 - 1 hour

Total time: 6 hours 30 minutes

Notes on testing:

- 1 bug found from testing, division by Zero Error due to poor error handling
- Time to fix: 2 minutes