CSC 365 Lab 1 Part 1

List of team members

Malcolm Craney, Dylan Halland, Owen Kehlenbeck

Initial decisions

Programming Language: We went with python because everyone on the team knows the language and its good at parsing files and working with strings. It also requires minimal setup and is easy to code and run.

Selected Internal Architecture

We defined two different objects, Query & Student. Query is used to store information about what the user issued as a command, including choice and optional params. This is useful because we only need to parse a query once and then we can store all the information we'll need later. The student object is used to hold all the information about a student. This is very useful because there are a lot of different fields that students.txt stored, and to have all that information in one object makes things easier. As we parse through the file, we create a Student object and add that to an array of students. The array is used so that we only need to parse through the file once, and then we can use that stored array of students for each of the different commands.

Task Log

R1, R2, R3: File & Query Parsing – Malcolm, 1.25 hours
R12: Quit – Malcolm, 0.1 hours
R4, R5: Student Commands – Malcolm, 0.5 hours
R6: Teacher Command – Malcolm, 0.25 hours

Notes on Testing

R4, R5, R6, R12 – Malcolm, 0.5 hours, 0 bugs found

Final Notes