

CS2308 PA#2, Fall 2019 Name: Barclay

1. Compilation 20

- ☐ 20 Compiles --Your program must compile to be graded further.

2. Correctness 45

- ☐ 6 TC1 input + display (option 1) 100 entries
- ☐ 6 TC2 sort time values (option 2) 100 entries
- ☐ 6 TC3 display sorted on time, display sorted on ID, 100 entries
- ☐ 6 TC4 lookup name using ID (option 3)
- ☐ 6 TC5 compute time in lab using ID (option 4)

-6 incorrect results

- ☐ 5 TC6 display sorted on ID, lookup ID, sort on time, 40 entries
- ☐ 5 for options 1 and 2, data lines up in columns
- ☐ 5 menu operates properly

3. Constraints 20

- ☐ 5 must use array of struct for the event data
- ☐ 5 at least 5 non-trivial functions (in addition to main)
(i.e. display, lookupID, timeInLab, binSearch, sort)

-2 too much duplicate code: need these functions: sort by ID and display

- ☐ 5 must use binarySearch for option 3 (on properly sorted list!)
- ☐ 5 General issues with C++ (using uninitialized vars, variable for array size, array out of bounds access,...)

4. Style/readability: 15

- ☐ 4 Header with info AND description
- ☐ 4 Complete function definition comments

-2 parameter names should be in a list (not embedded), why empID?

- ☐ 3 Variable names and function names are in camelCase
- ☐ 4 Has proper indentation

-2 inconsistent in places

Grade: 88

