

Team Member(s): Matthew Wingerden

#### Initial Decisions:

Language: Java Language

IDE: IntelliJ

#### Internal Architecture:

I have two classes called Student and StudentList. Student contains all the information for each line in student.txt as private variables, each with its getter methods. StudentList, using composition, has a private list variable of type Student. This class, on construction, takes the student.txt file and reads each line, storing the student's information in the list. The list of Students has a get method to read data from the list.

The other file, SearchMethods, contains all static methods of each search query the user can input. For example, the user inputs T[eacher]: <lastname>, then the static method searchTeacher is called, returning the correct output.

#### Task Log:

Task 1: Reading user input in schoolsearch class.

Student(s): Matthew Wingeden

Time: Start Date: 9/29/2022

End Date: 10/1/2022

Hour(s): 3

Task 2: Implementing Student Class.

Student(s): Matthew Wingeden

Time: Start Date: 9/29/2022

End Date: 10/1/2022

Hour(s): 1

Task 3: Implementing StudentList Class.

Student(s): Matthew Wingeden

Time: Start Date: 9/29/2022

End Date: 10/1/2022

Hour(s): 1

Task 4: Implementing SearchMethods Class.

Student(s): Matthew Wingeden

Time: Start Date: 9/29/2022

End Date: 10/1/2022

Hour(s): 3

Task 5: Writing tests.txt

Student(s): Matthew Wingeden

Time: Start Date: 10/1/2022

End Date: 10/1/2022

Hour(s): 1

Task 6: Writing README.txt

Student(s): Matthew Wingeden

Time: Start Date: 10/1/2022

End Date: 10/1/2022

Hour(s): .25

Task 7: Writing writeup-lab1.pdf.

Student(s): Matthew Wingeden

Time: Start Date: 10/1/2022

End Date: 10/1/2022

Hour(s): .5