HOW TO USE THE PROGRAM

Click “Add Student.” Enter a student’s username, full name, age, and GPA into the EditText boxes. Choose the student’s major. Click the new “Add Student” button. This process adds the student you entered to the ListView in MainActivity and to the table of students.

To add a new major to the table thereof, go to the Add Student screen, then click the “Add Major” button. Enter the name and prefix for the major and click the new “Add Major” button.

You may click the “find student” button in MainActivity to go to FilterStudents. There, you may search for students based on certain criteria, such as their usernames or whether their GPAs fall within a certain range. I did research, and the highest possible GPA is a 6.0, so users may not search for a number outside the range, nor give a student a GPA outside the range.

Clicking on a student in the MainActivity listview takes the user to a page where they may view that student’s information. It is automatically put into EditTexts and TextViews.

One may click on a student in the MainActivity listview to open a page where they may edit that student’s information. The person running the program may not change the student’s username.

ISSUES I RAN INTO

I kept formatting my SQL query strings incorrectly.

I struggled to display my filtered results to the ListView in UpdateStudent.

THINGS I COULDN’T COMPLETE

I couldn’t give my project the right name because I had to start it over again, and I needed the version I originally named “Homework03\_Program1” to still exist because there was code in it that I could salvage. I did not believe I would be able to delete “Homework03\_Program1” and rename “Homework03\_Program1(2)” without rendering my program in “Homework03\_Program1(2)” unrunnable.

I had to populate listOfStudents with the first nine students to run the updating activity without error. I don’t know how to run updateStudentListener when listOfStudents is empty, but since listOfStudents needs an entry to be updated before updateStudentListener can run, I find this acceptable.

I was unable to delete students. My program crashed upon start-up until I deleted the activity I had created for the sake of deleting entries.