Student Subject Tracker System

Name	ID	
Ruba Alghamdi	2410217	Main function. Add and update student functions. Clear input buffer function. Save to file.
Alaa Alsolami	2410372	Main function. Delete student function. Documentation.
Jory Abualjadayel	2410795	Main function. Update subject function. Documentation.
Aryam Alsulami	2412412	Setting up the base structure for main menu, student and subject submenu. Display student function.
NOTE: All students worked on fixing bugs and making final adjustments. NOTE: our code works on GDB online due to some memory problems in VS we could not resolve.		

Project description:

Our system is used to track student's subjects. The system is divided into two main parts, first part is for the students, and second part is for the subjects.

In **student** we can add a new student, update, display, delete and search student all by ID.

In **subject** part we can update the subjects using student's ID.

Features and Capabilities:

1.student

- Each student can register the subject they want.

- Add student (student id, student name)

- Update student ID and student name

- Delete existing student and all their info.

- Display all students (student ID, student name, student subjects)

- Search students by ID to see their info.

2.subject

- Update student's subjects by ID.

- Save your information to file.

Challenges Faced and Lessons Learned:

- Challenge 1: Dividing the work between members.

- Lesson 1: Importance of prewriting and planning the code, also we discovered some of VS's great features (live sharing).

- Challenge 2: String handling and string manipulation.

- Lesson 2: Importance of being thorough and paying attention to the smallest details.

- challenge 3: Saving our users info and reopening it from files into arrays (chapter was self-study).

- Lesson 3: Importance of self-reliance in studying.

- challenge 4: Deleting students and shifting array elements.

- Lesson 4: We became more capable of shifting and manipulating arrays.

- Lesson 4: We learned what a buffer is.

NOTE: In the update subject function, we ran into a loop problem and in order to solve it we had to use a function to clean up buffers.