C++ LAB Project

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Subject: Management application for students and teachers in a university

The project will contain:

* Function to input the names and personal information of each teacher
* Display each teacher’s personal information
* Set schedules for each teacher according to their area of expertise
* Set each teacher’s salary
* Sort teachers by how long they’ve been teaching in the university
* Sort teachers by age
* Group teachers by subjects taught
* Modify the teacher’s personal information and schedules
* Add and remove teachers
* Display the teachers’ personal information and schedules on different output files
* Function to input the names and personal information of each student
* Display each student’s personal information
* Set the student’s status in the university (semester, year, major,GPA,…)
* Set the course taken by each student
* Sort students by semester
* Sort students by credits completed
* Group the student according to their majors
* Calculate and display The average GPA of the entire university
* Calculate the average GPA of all student from the same year
* Add and remove students
* Display the students’ personal information and university status and GPAs on different files