Our plan is to create two csv files.

One is for student accounts. First column is the account, and the second column is the password.

Another one is for courses. First column is the course name. Second column is the total available seats. Third column is the schedule. Following columns are the registered students.

The database class has below functions.

1. createStudentAccount

- This will add one more row in the student accounts file.

2. checkPassword

- This is for login. Check if provided account/pw match the record in student account file.

3. registerCourse

- This is only for logged in student. This will add one more student name or delete one name in the course row in the course file.

4. getAvailableCourses

- This checks the courses row to see which rows do not have the logged in student name, and return all such courses.

5. getRegisteredCourses

- Similar to 4. Return all courses with the logged in student name in the course row.

6. checkSchedule

- Get the schedule from course file.

This database class only needs two instance variables.

1. Studnet name

- In default, it is null. Once student log in, the name will be the student name.

2. Database location

- Location of the files.