

GET database
GET front-end files
GET back-end files

DISPLAY please choose the operation you want to perform
DISPLAY to add a student, press a
DISPLAY to delete a student, press d
DISPLAY to edit student information, press u
DISPLAY to display student information, press s

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IF (a) THEN
    DISPLAY enter the information of the student you want to add
    GET firstName
    GET lastName
    GET age
    GET class
    GET lesson
    IF (firstName & lastName & age & class & lesson exists) THEN
        DISPLAY addition failed, the student information you entered already exists

    ELSE save firstName & lastName & age & class & lesson in DB
        DISPLAY student firstName lastName has been added successfully

ELSE IF (d) THEN
    DISPLAY enter the information of the student that you want to delete
    GET firstName
    GET lastName
    GET age
    GET class
    GET lesson
    IF (firstName & lastName & age & class & lesson exists) THEN
        delete firstName & lastName & age & class & lesson from DB
        DISPLAY student firstName lastName has been deleted successfully
    ELSE DISPLAY deletion failed, the student information you entered does not
        exist to be deleted

ELSE IF (u) THEN
    DISPLAY enter the information of the student you want to edit
    GET firstName
    GET lastName
    GET age
    GET class
    GET lesson
    IF (firstName & lastName & age & class & lesson exists) THEN
        get firstName & lastName & age & class & lesson from DB
        DISPLAY enter the new information for the student
        GET newFirstName
        GET newLastName
        GET newAge
        GET newClass
        GET newLesson
        IF (newFirstName & newLastName & newAge & newClass & newLesson exists) THEN
            DISPLAY edit failed, editing can't be saved because the information you
                want to save already exists
        ELSE save newFirstName & newLastName & newAge & newClass & newLesson in DB
            DISPLAY student newFirstName newLastName has been edited successfully
    ELSE DISPLAY the student information you entered does not exist to be edited
```

```
ELSE IF (s) THEN
    DISPLAY enter the information of the student that you want to display
    GET firstName
    GET lastName
    GET class
    IF (firstName & lastName & class exists) THEN
        get firstName & lastName & class from DB
        DISPLAY data
    ELSE DISPLAY no student has the information you entered
```