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**The fields for the student database:**

1. **Student ID**: identifier for each student
2. **First Name**: student's first name
3. **Last Name**: student's last name
4. **Date of Birth**: student's date of birth (YYYY-MM-DD)
5. **Major**: major of the student
6. **GPA**: student's grade point average
7. **Phone #**: student's phone number (xxx-xxx-xxxx)

INITIALIZE an empty database

DEFINE functions with the following options:

1. DISPLAY student records
2. ADD a new student record
3. UPDATE an existing student record
4. DELETE a student record
5. EXIT the program

REPEAT the following options until the user quits the program

1. DISPLAY menu options
2. GET user choice

MAIN:

IF user choice is to display records

* DISPLAY all records in a tabular format

ELSE IF the choice is to add a new record

* PROMPT the user the student’s details
* ADD new record to the database

ELSE IF the choice is to update a record

* PROMPT user for student ID
* GET the record that matches that student ID database
* PROMPT user to update specific fields

ELSE IF the choice is to delete a record

* PROMPT user for student ID
* REMOVE the record that matches that student ID from the database

ELSE IF the choice is to exit the program

* END program

ELSE

* DISPLAY invalid input error

END