PLESE UPLOAD ONLY JAVA FILE

You are a programming intern at the student transfer counselor's office. Having heard you are taking CS 55, your boss has come to ask for your help with a task.

Students often come to ask her whether their GPA is good enough to transfer to some college to study some major and she has to look up the GPA requirements for a school and its majors in a spreadsheet to answer their question. She would like you to write a program that students can use themselves to get their answer. She is providing you with the spreadsheet data.

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| --- | --- | --- | --- |
|  | CS | Econ | English |
| UCLA | 3.7 | 3.5 | 3.2 |
| UCB | 3.8 | 3.4 | 3.3 |
| UCI | 3.6 | 3.7 | 3.4 |
| UCSD | 3.5 | 3.3 | 3.0 |

You will write a program, TransferAdvisor.java, which asks the user for the school name, the major, and their GPA, and informs them whether their GPA is adequate for the school and major selected, or by how much they need to improve it. If a school or major is not in the spreadsheet, the user is informed. The school names and majors can be entered both as shown in the spreadsheet or in all lowercase letters. The “You need to improve your GPA by ### ...” message should have two decimals precision for the GPA regardless of the student GPA entered.

Below are a few runs of the program:

Enter the school name: UCLA Enter the major: CS

Enter your GPA: 3.457

You need to improve your GPA by 0.24 to transfer to UCLA to study CS

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Enter the school name: ucsd Enter the major: english Enter your GPA: 3.12

You could transfer to ucsd to study english

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Enter the school name: harvard Enter the major: CS

Enter your GPA: 3.1

harvard is not in the school system

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Enter the school name: ucla Enter the major: astrology Enter your GPA: 2.6

There is no astrology major at ucla

Hints:

* To avoid a lot of duplication with the code dealing with the GPA comparison and print outs, write a method that takes in the school name, the major name, the required GPA for that major in that school and the student GPA, and prints out either the “You could transfer …” or the “You need to

Improve your GPA by ...”

* Avoid if/else if/... to match the school and the major. Switch/case makes the code cleaner.
* Your code before you submit. Do not leave clutter behind.