

CSI 3335 Fall 19 Group Project – Journalism student review

The Department of Journalism, Public Relations and New Media would like to build a database system to keep track of their students' progress. Two aspects of the students' performance are evaluated in particular: Internship performance and portfolio evaluation.

Students

We record basic information of each student, includes: BaylorID, last name, first name, e-mail address, semester of entering the program.

Internship

Each student is required to take on an Internship. We need to record the company/organization that employ the student, the time period of employment (starting and ending month/year), and the total number of hours that the student worked. We also need to record the address and phone number of the company/organization.

Each student at the Internship has a supervisor. We need to record the supervisor's name, title and e-mail.

For each internship, the supervisor will evaluate the students. The evaluation consists of a list of multiple choice questions. Each question contains a set of choices. For some question, the choice are ordered and the position in the order of each choice is associated to be its score.

It is possible that the set of questions changes, so you need to keep track of various versions of the Internship evaluations. Typically the set of questions will be uniform for all interns for a certain year. However questions may change, new questions may be added and old questions may be deleted from year to year.

In addition, supervisors are allowed to leave comments (as lines of text) about their interns.

Notice that a supervisor may evaluate a student multiple times during the internship. But they will use the same evaluation questions.

Each student is also allowed to evaluate the internship (whether the internship help his/her goals etc.). The format is the same as the supervisor's evaluation (a set of multiple choice questions, plus an area for comments). Obviously the actual questions will differs. Similar to the supervisor's review, students' review question will be uniform within the same year, but may change from one year to the next.

Portfolio review

Each student will generate a portfolio of his/her work (you don't have to store it). The work will be reviewed, and we need to store the review for each student. Each review will have a list of questions. Each question will be a multiple choice questions. Typically they either have 3 choices (above average, average, below average) or 5 (strongly agree, somewhat agree, neither agree nor disagree, somewhat disagree, strongly disagree), however, you should allow individual question to have its own set of choices. Also for each question, the user can enter comments about the student.

For each review, we would also like to store the reviewer's name and the date of the review.

One note on questions:

Each question should have a label associated with it. This allows one to link questions that ask the same thing but may have content updated. Question name within a single review for a certain year is unique. That is, you cannot have two questions in the supervisor's review on 2019 both named "Student's motivation". However, there may be a question in 2019 and in 2020 with the same label. (Notice the content of the question may not be the same).

Work to do

You will need to do the following task

- Data input (via GUI)
 - Students personal information
 - Internship info
 - Reviews
 - Question for each version of review
 - Specific review for each student
 - Portfolio review
 - Question for each version of review
 - Specific review for each student
- Query and analysis
 - Individual student's information
 - One can enter a student's name or BaylorID (if many student have the same name, display all of them), and display his/her basic info.
 - One can further ask to display reviews for a certain type, and/or at a certain year.
- Review analysis
 - One can ask for a certain type of reviews (of all students) and display them.
 - One can ask for a certain question label of a certain type of review, and a certain year range. The system should display the answer of that question (display the total number of each choice selected if question is multiple choice). If applicable, one should also aggregate the result over all years).