



Data Management & SQL - DAT-5305 - FMsBA4

Hult International Business School

Professor Luis Escamilla

Students

Jaeah Choi

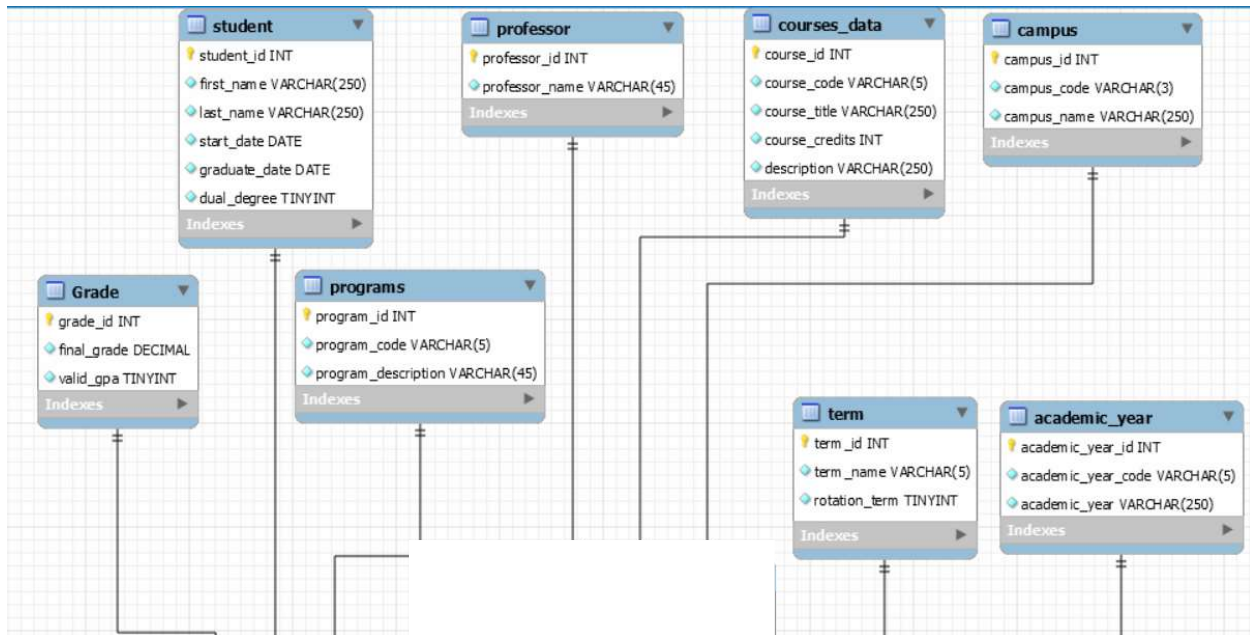
Víctor Jesús Huárniz Noya

A1.2 Design an ER Diagram

Due Date: March 30th, 2021

Logic:

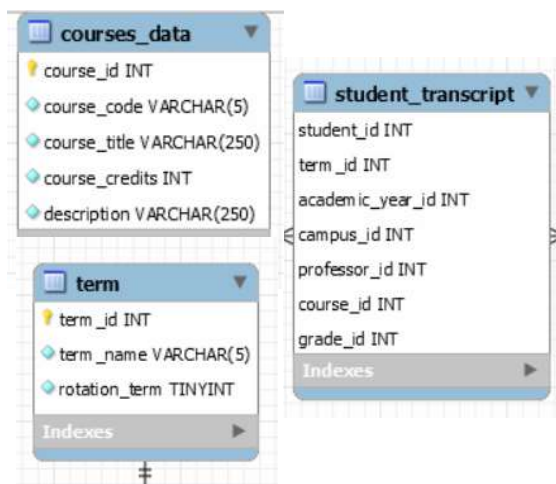
Parents:



Our parents include:

- Space: campus, professor, courses.
- Time: Term, Academic Year.
- Objective to analyze: Student, grade, programs.

To answer the main hypothesis: “Do students who rotate drop their grades during electives?”, we have designed to set 8 parents tables, which are the most important variables. Since rotation can only happen on the term of the elective, we decided that the user will only enter “rotation term” as 0 or 1, 0 by default. This will be our key classification to prove our main hypothesis, other things like campus are only for referential purposes that can lead to answer another hypothesis (do students do better depending on the campus?).



In the end, the “student_transcript” table shows each student’s data, including term, academic year, campus, professor, course, and grade. By bringing course credits and rotation term data from courses_data and term parents table to student_transcript child table, the student_transcript table will help validate the dean’s hypothesis: “Do students who rotate drop their grades during electives?”.

ERR Model:

