CS307 Project Report (Midterm)

Part 1. Group Info and Contribution

Part 2. Task 1 Implementation & Introduction

(1) Table Diagram

Figure 1 shows the UML diagram of the tables generated by DataGrip.

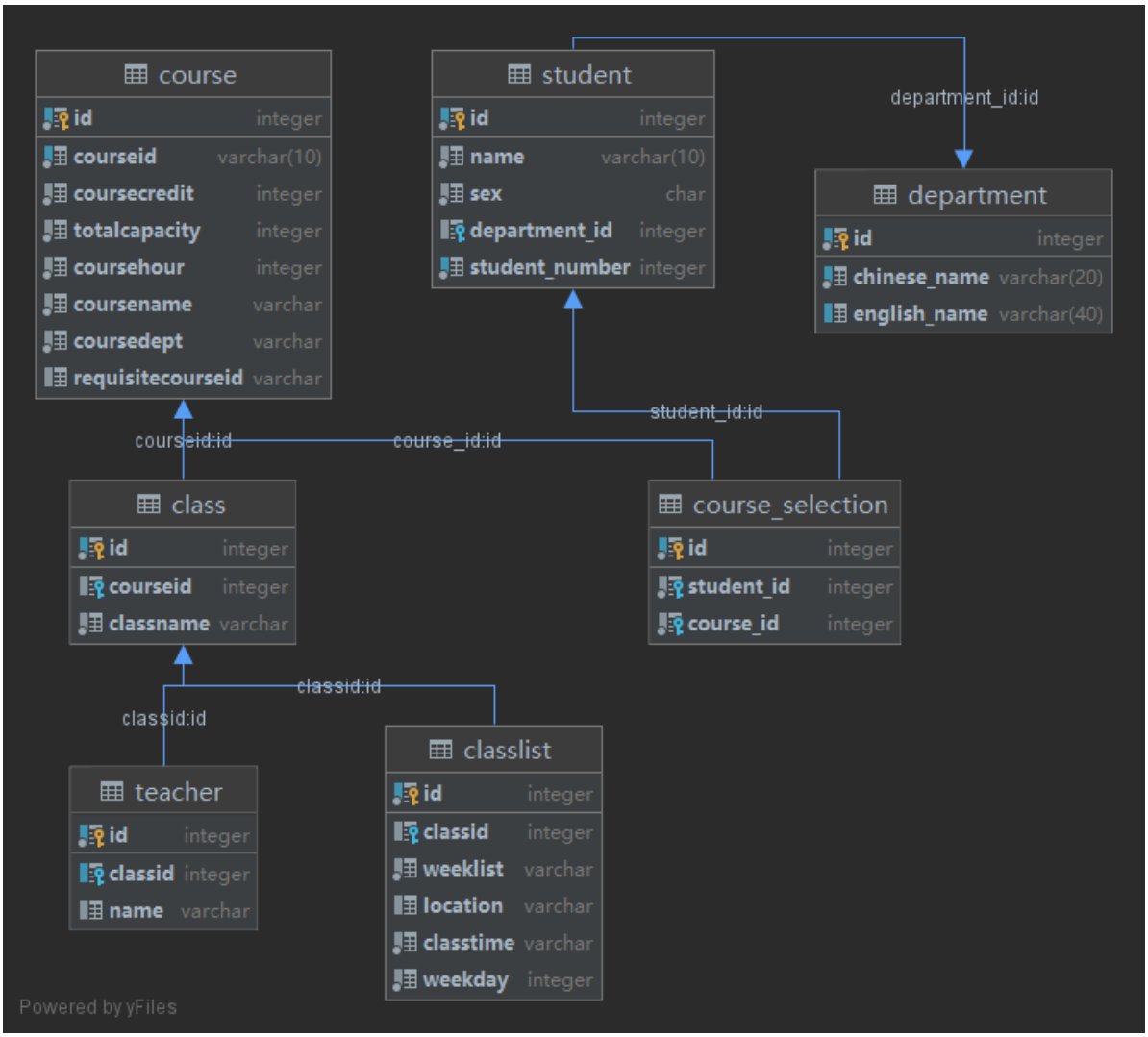

Figure 1. UML diagram of the tables

(2) Introduction

There are 7 tables in total:

The four tables `course`, `class`, `teacher`, `classlist` *are used to store the data in* `course_info.json`.

The other three tables `student`, `department`, `course_selection` *are used to store the data in* `select_course.csv`.

In `course_info.json`*, each entry is the information of one class of one course. We extracted the information of the courses into the table* `course`*, and store the information of the classes in a one-to-many relation table* `class`*. We store the relation between* `teachers` *and* `classes`*,* `classlists` *and* `classes` *in the same way.*

Part 3. Task 2 Implementation & Analysis

Part 4. Task 3 Implementation & Analysis