

## Project 1

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1. We intend to create a school information system that includes student information, professor, and course information.

2. The data for the student information include: Name, Std\_id, Birthday, Address, Phone number

The data for the professor include : Work\_ID, Name, Phone number, Address,

The data for the course include : Course Name, Term, Course ID, hour

The data for the office include: office number, phone number.

For each student, we record the student ID, name, phone number, address, and birthday. Students verify by student ID.

For each student name, we record the first name and last name.

For each professor, we record the work ID, name, phone number, and address.  
professor verify by work ID.

For each professor name, we record the first name and last name.

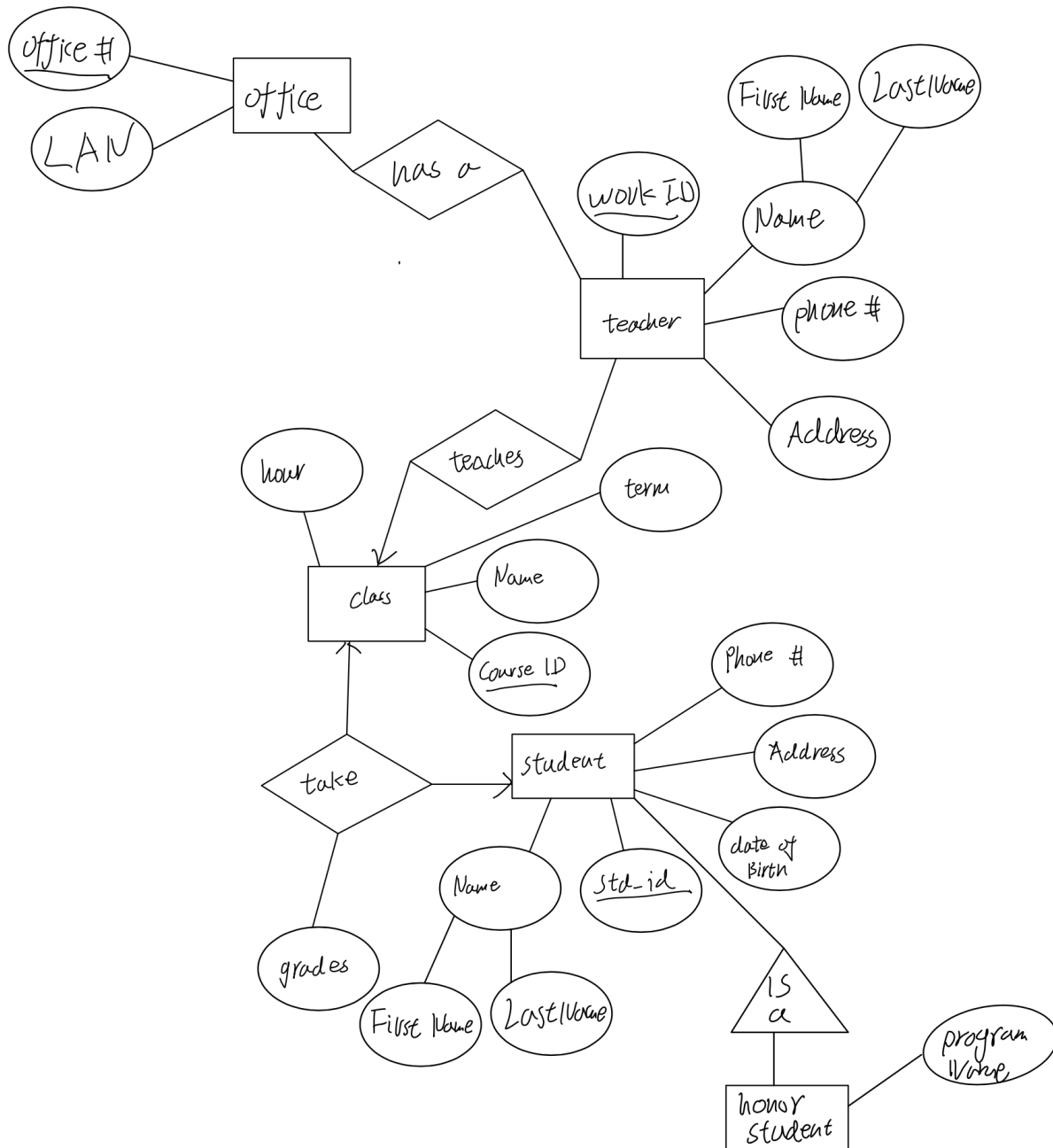
For the office, we record the office number, and lan number. The office is verified by the office number.

For each class, we record the course id, name, term, and hour. The class is verified by the course id.

The professor teaches a different class, and the professor only has an office.

For each student take multiple classes. For each class that is taken by a student, there will be a grade.

### 3. ER diagram :



#### 4. Logical design:

Student(Stu\_id, name, Brith\_date, Address, Phone\_N)

Stu\_Name(Stu\_id, First\_Name, Last\_Name)

Tea\_Name(Work\_ID, First\_Name, Last\_Name)

Class(Course, Name, Term, Hour)

Teacher(Work\_ID, Name, Phone\_N, Address)

Office(office\_ID, LAN)

Honor\_Stu(Stu\_id, Pro\_Name)