Our project is about the university manage system application, including five entity sets and five relationship sets.

1. **Student** has UIN, name, gender, grade program (PhD, MS, MENG). Students who are not MS also have a professor as advisor.
2. AS a **professor** (UIN), people has name, title (assistant professor, associate professor, and professor), office location, research interests. There exists a ‘is-a’ relationship in Professor, which is that a professor could be a leader of one department or group.
3. Each **course** (Course ID, Department) is hold by one professor and registered by many students. And each student could register many courses, so here is a ‘many-many’ relationship.
4. To the ‘**Paper**’ entity set (ISBN), each paper should be published by a student (PhD or MS) and advised by the professor who is the advisor of this student.
5. To the ‘**Department**’ entity set (Abbreviation), courses taught by a professor and registered by many students should be related to it. It’s shown in the relation schema.
6. Finally, there should be a set of **club** (Name), whose leaders should be students and each club has at most 50 member. All the members’ and leaders’ names should appear in the ‘Student’ entity set.