

## Part 1: Project Requirement and UML

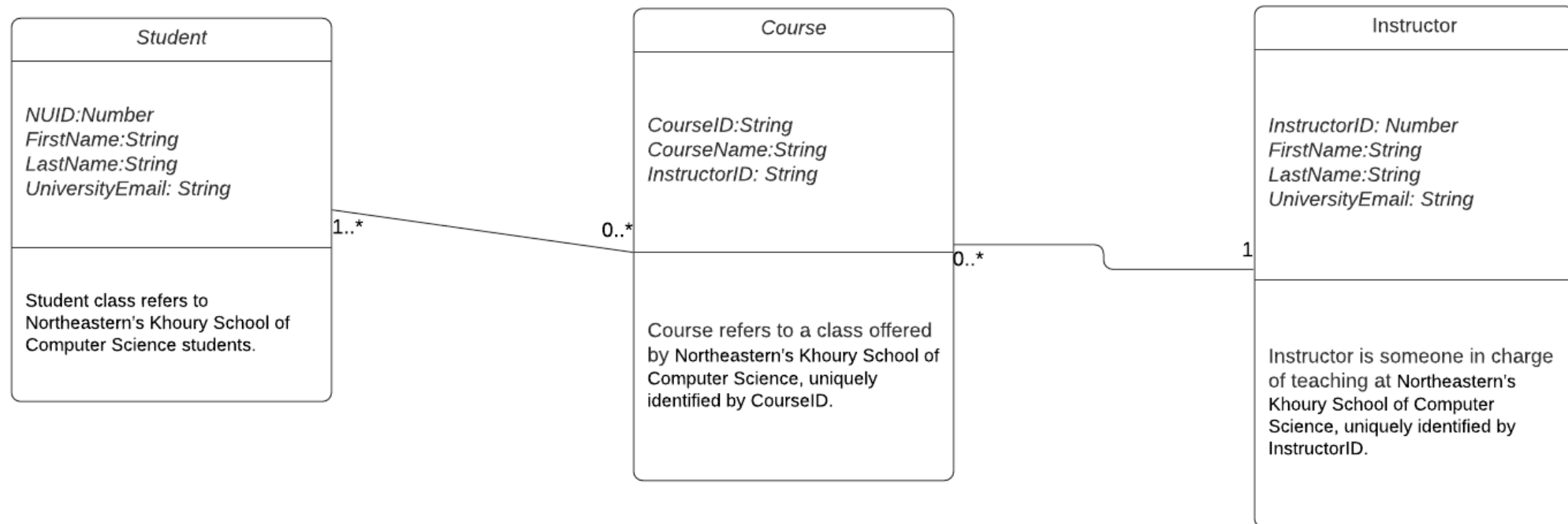
Describe the requirements of the problem with a simple document that lists the rules of the database in the problem domain language.

Design a toy database for Northeastern University's Khoury School of Computer Science student registration systems.

- Each student is uniquely identified by nuid. Each student has a first name, last name, a university email address.
- Each student can register for multiple courses and each course can have many students.
- For courses, they are uniquely identified by course\_id. For example, both John and Jodi can teach the "Database" course, but the course\_id is completely different from each other. Another example is if John teaches "Database" course in 2 consecutive semesters, the assigned course\_id is completely different for different semesters. So, to sum up, course\_id is always unique and never repeated.
- Each course has one instructor, and a class name. Although one class only has one instructor, an instructor may teach more than one classes.
- Each instructor has a unique instructor\_id, first name, last name and university email.

# UML Diagram

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References:  
Project 1's Part 1 and Part 2