University Management System

Class: Student

- Attributes:

   - Name : string

   - StudentID : string

   - Courses : List<Course>

- Methods:

   - EnrollCourse(course : Course)

Class: Professor

- Attributes:

   - Name : string

   - ProfessorID : string

   - Courses : List<Course>

- Methods:

   - AssignCourse(course : Course)

Class: Course

- Attributes:

   - Name : string

   - CourseID : string

   - Students : List<Student>

   - Professor : Professor

- Methods:

   - ShowEnrolledStudents()

   - ShowProfessor()

Relationships:

- Association: Student ↔ Course (many-to-many)

- Association: Professor ↔ Course (one-to-many)

- Aggregation: Course aggregates Students